

ProLite

FOR THE PLEASURE OF TRAVELING LIGHT.



CAMPER VAN E-VOLUTION OWNER'S MANUAL

INTRODUCTION



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June 2022 Version

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CONGRATULATIONS ON YOUR PURCHASE OF THE CAMPER VAN E-VOLUTION!

WELCOME TO THE EXTENDED PROLITE FAMILY!

In business since the very start of the year 2000, Prolite is a proud Canadian manufacturer. We constantly strive to provide you with innovative products while remaining focused on our primary mission of supplying you with the lightest trailers on the market that still meet strict standards of quality and sturdiness.

With its expertise in renewable energy models and innovation, Prolite began converting vans in 2015 and since 2020, Prolite offers its customers the best of both worlds: the van with a renewable energy camper van. We are committed to providing our customers with outstanding after-sales service to ensure your peace of mind. Our many dealers across Canada and in a few American states will be pleased to assist you in your travels whenever the need arises.

At Prolite, your safety is paramount.

*Thank you for giving us the privilege
of travelling with you!*

- The Prolite Trailers Team



ABOUT HIS OWNER'S MANUAL

This owner's manual is intended solely as a reference. It describes many of your RV's and camper van E-volution characteristics and much of its equipment. This manual will help and guide you in the use and maintenance of your recreational vehicle, to keep it in good condition. For more detailed instructions on safety, maintenance and operation of items used in the manufacture of your RV, carefully read the booklets provided by the manufacturers of these components, included in the owner's kit you were given upon delivery. They provide all the additional information you require. The information contained in this manual may not apply to your specific model.

The information in this manual, including the images, tables and illustrations, is based on the latest data but is subject to change without notice.

Carefully read the limited warranty at the start of this manual. Roulottes Prolite Inc. makes no other warranty of any type, explicit or implied. As owner, you are responsible for proper maintenance as explained in this manual and stipulated in the booklets supplied by the manufacturers of the various components. Improper maintenance of your unit could result in loss of warranty coverage.

Your van is covered by a warranty directly from the vehicle manufacturer. For the Promaster chassis, it is a 3 year/60,000 km (bumper to bumper) and 5 year/100,000 km warranty on the entire powertrain, directly from the Dodge manufacturer.

For the Mercedes chassis; a 3 year/60,000 km (bumper to bumper) and 5 year/100,000 km full powertrain warranty, and a 5 year/160,000 km diesel engine warranty, directly from the Mercedes manufacturer. Consult the warranties in effect at the time of your purchase, these are indicative at the time of printing this manual.

Several of our component manufacturers provide their own warranty and require you to separately fill out information on their warranty card. Read all the owner's manuals provided with your RV and fill out all the appropriate warranty cards if required by the manufacturers.

You have joined an extended family and are starting to create wonderful memories with your new camper van Prolite. The information contained in this manual is provided as a guide and does not effectively alter the terms of the manufacturer's warranty. You are responsible for your behaviour, proper use, and careful maintenance of your recreational vehicle throughout your ownership, to ensure its durability and long service life.

GLOSSARY OF WARNINGS, RISKS OF INJURY, AND OTHER NOTIFICATIONS

To facilitate your reading, we have inserted symbols in this manual. These symbols indicate potential hazards, notes, hints and tips that we consider useful to ensure you an enjoyable experience with Prolite recreational vehicles.



DANGER

This symbol indicates an imminent hazardous situation that, if not corrected, may result in serious injury or death.



WARNING

This symbol indicates a hazardous situation that, if not corrected, may result in serious injury or death.



CAUTION

This symbol indicates a potentially hazardous situation that, if not corrected, may result in moderate or minor injury.



NOTE

This symbol indicates useful information about your RV, its maintenance and/or potential damage.



HINTS AND TIPS

This symbol indicates information likely to assist in your experience with Prolite recreational vehicles.



MAINTENANCE

This symbol indicates relevant information about general maintenance of your RV. Maintenance advice from the manufacturers of specific equipment or devices take precedence over information provided by us.

This owner's manual contains the most relevant information at the time of its publication. Since Prolite continuously seeks to improve and upgrade its products and services, we reserve the right to make changes without notice.

OWNER'S INFORMATION KIT

Your new Prolite RV includes an owner's information kit that contains important documents about your RV and its many components.



We strongly recommend that you activate the warranties on various components.

These warranties usually apply only to the original owner of the recreational vehicle. We recommend that you return or complete the various warranty registration cards if required by the manufacturers, before the registration deadlines expire. Some component manufacturers provide warranties beyond that granted by Prolite and some components are excluded from the Prolite warranty. It is important to review all the information contained in this kit. It forms part of the owner's kit you received with your RV. Only the products used in your unit have information included in this kit. Please review this documentation with your dealer upon delivery and report any missing documentation to the dealer at that time.

CUSTOMER SATISFACTION

Customer satisfaction at Roulottes Prolite is a commitment we wish to keep, wherever you may be. We believe that you deserve a quality recreational vehicle and courteous, professional service at all times. We need to hear your comments and experiences to ensure the quality of all our authorized representatives and/or dealers. Your satisfaction extends beyond taking delivery of your recreational vehicle; it continues as long as you own one of our trailers.



HINTS AND TIPS

Many manufacturers are now putting instruction manuals online for environmental reasons. Consult the manufacturer's website if you don't have one in your kit.

PROLITE LIMITED WARRANTY

A two-year limited warranty is offered on the E-Volution camper cab, which is the converted part of your van. It is important that you complete your warranty registration and send it to us.

VAN'S WARRANTY

Your vehicle is covered by a warranty from the motor vehicle manufacturer. This warranty covers your truck and its direct components. Consult the warranty applicable to your van.



PROLITE LIMITED WARRANTY

RECREATIONAL VEHICLES MANUFACTURED BY ROULOTTES PROLITE INC.

Thank you for choosing to purchase a recreational vehicle from Roulottes Prolite Inc., a product designed and built with the necessary care to ensure the highest quality. This important warranty covers several items and demonstrates our desire to be accountable for our products while ensuring our customers' total satisfaction.

WARRANTY COVERAGE- CAMPER VAN E-VOLUTION

Summary of the warranty

Roulottes Prolite Inc., 5 Claude-Audy Street, Saint-Jérôme QC Canada J5L 0J2 (Guarantor) warrants to the ORIGINAL PURCHASER ONLY, when purchased from an authorized Roulottes Prolite Inc. dealer, for a period of two (2) years from the delivery date of your RV, that the structure of this recreational vehicle is free of substantial defects in materials and manufacturing attributable to the Guarantor. The warranty covers repairs by Prolite performed by an authorized Prolite dealer or at our plant, exclusively. The owner of the RV must be able to personally bring the unit under warranty to the designated location for performance of the warranty, with no compensation for this travel.

Warranty exclusions

The Guarantor expressly declines all liability for damage to the unit where this damage is caused by condensation, abnormal wear, or exposure to the elements. The Guarantor makes no warranty in respect of, but not limited to, any mechanical chassis system or part, leaf springs, tires, tubes, batteries, routine maintenance, equipment and domestic devices or audio and video equipment. Some of these items are covered by the manufacturer's warranty of the vehicle itself. Please read and understand the manufacturer's warranty.

What is not covered by the warranty

Our limited warranty DOES NOT cover the following, non-exhaustive list of components.

- Equipment, accessories, components, and devices not manufactured by Prolite. Their respective manufacturers and suppliers may provide a warranty on some of these items.
- Information about the warranty covering these items is available in your starter kit.
- Use of the RV for business purposes, rental, rescue, commercial purposes, residential purposes, for a disaster or any purpose other than recreational travel and family camping.
- A recreational vehicle that has not been purchased from an authorized Prolite reseller.
- Routine maintenance and adjustments of the RV
- Damage caused by misuse, abuse, modifications, alterations, negligence, lack of maintenance or a third party.
- Unauthorized repairs, as well as modifications or alterations to any RV system, component or part.
- Damage, wear and deterioration due to exposure to the natural elements.
- Damage to furniture and other products by perforation, discolouration, wear, and spills.
- Damage caused by overloading or incorrect weight and load distribution.
- Damage by condensation, including water damage and growth of mould or fungus.



- Environmental damage due to exposure to acid rain, airborne or road salt, violent winds, lightning, flooding, prolonged exposure to solar radiation, etc.
- Damage by chemical fumes from materials used in the construction of your recreational vehicle.
- Corrosion, rust, oxidation, or any other natural deterioration are not covered by our warranties.
- Electrical problems due to unprotected connections, voltage spikes, overloaded circuits due to lightning, or by modifications.
- Damage caused by rodents or other animals or insects.
- Damage caused in whole or in part by a towing vehicle, misuse by the owner or misuse of the towing vehicle, an inadequate stabilizing and equalizing bar hitch system, or by misuse of the brake control system.
- Damage to or any loss of the owner's towing vehicle, including intentional or negligent acts of the driver or accidents involving the recreational vehicle.
- Representations made by any person (including your dealer) beyond those stipulated in these limited warranties.
- Indirect damage, including towing costs, transportation, fuel, food, accommodation, service calls, etc.
- Long-term or full-time occupancy of your unit.

Warranty limitations and exclusions

The Guarantor expressly limits the term of all explicit and implicit merchantable quality warranties and all implicit warranties of suitability for a specific purpose, except in states that do not allow this exclusion. The Guarantor expressly declines all implicit merchantable quality warranties or warranties of suitability of a specific use following expiry of the warranty period.

No action intended to enforce an explicit or implicit warranty may be brought after ninety (90) days from expiry of the warranty period. The Guarantor makes no warranty of any nature whatsoever beyond that contained in this Warranty. No person has authority to expand, amend or modify this warranty except the Guarantor. No action intended to enforce explicit or implicit warranties may be brought without prior written notice to the manufacturer and/or the Guarantor, at the address indicated above.

The prior written notice must contain the subject of the alleged defect or non-compliance, or specify the authorized repair facility that allegedly failed or attempted to make a repair. As a direct option, the factory must be granted a final repair opportunity.

Notice of non-liability for accessory and indirect damage

The original purchaser of this recreational vehicle and any other person to whom this unit has been transferred, as well as any person intentionally or unintentionally using this unit, or the beneficiary of this unit, shall not be entitled to claim accessory or indirect damages from the Guarantor. Some states do not permit exclusions or limitations of accessory and indirect damage; the aforementioned limitations and exclusions therefore may not apply to you.



Guarantor's obligations

The Guarantor will correct any substantial defect caused by the Guarantor in materials or manufacture. The Guarantor may choose to correct the defect in the following ways: repair, replacement, or reimbursement. Performance of the Warranty may only be obtained from authorized dealers and service centres of Roulottes Prolite Inc. and directly from the Guarantor, at the Guarantor's discretion. All costs incurred for transportation of this recreational vehicle for service under warranty shall be paid by the Purchaser. The Guarantor must correct the defect within a reasonable time after the Purchaser makes an appointment and delivers the vehicle. The Guarantor shall pay all expenses incurred by it during correction of the defect.

Purchaser's obligations

The Purchaser must fill out, sign, and return the owner's registration within ten (10) days following delivery of the recreational vehicle to validate this Warranty. Return of this registration is an inherent condition of warranty coverage; failure to return the duly completed registration to the Guarantor shall void this Warranty. The Purchaser shall bring this recreational vehicle, for service under warranty, within a reasonable time after discovering the defect, without ever exceeding the warranty period of two (2) years. All expenses incurred by the Purchaser to obtain service under warranty shall be paid by the Purchaser. The service under warranty shall, where possible, be scheduled with the selling dealer by appointment to avoid any delay. If necessary, the Purchaser may obtain a list of authorized persons other than the selling dealer to perform the service under warranty, and obtain prior authorization from the Guarantor by telephone, from Monday to Friday between 8:00 a.m. and 4:30 p.m., at 450-438-3112 or toll-free 1-888-438-3112. No action intended to enforce explicit or implicit warranties may be brought without prior written notice to the manufacturer and/or the Guarantor, at the address indicated above. The prior written notice must contain the subject of the alleged defect or non-compliance or authorized repair facility that allegedly failed or attempted to make a repair. As a direct option, the factory must be granted a final repair opportunity.

Events releasing the Guarantor from its obligations under this warranty

Misuse or negligence, including failure to perform reasonable and necessary maintenance, unauthorized alterations, accidents, incorrect loading, use as a primary residence, use for commercial purposes, or rental of the recreational vehicles shall release the Guarantor from any obligation cited in this Warranty.

Changes of parts and design

The Guarantor reserves the right to make changes to parts and the design of its recreational vehicles from time to time without prior notice and without the obligation to maintain spare parts or make corresponding changes in its previously manufactured products.

Obtaining service under warranty

To ensure that your dealer is committed to your complete satisfaction, we commend that all service under warranty be performed by the authorized dealer from whom the unit was purchased. Following a move or when travelling, if service under warranty proves necessary, this service may be performed by any authorized dealer in Canada. This service must also be scheduled by appointment to avoid any delay and must have been assigned a Prolite approval number.

Warranty registration

Registration of the warranty must be completed by the owner at time of delivery of the unit and returned to the Guarantor. The return of this registration is an inherent condition of coverage under the warranty; failure to return the duly completed registration to the Guarantor shall void this Warranty.



Other warranties

As indicated above, in a paragraph entitled "Warranty Exclusions," certain items not covered by this Warranty may be guaranteed separately by their manufacturer or supplier. To validate these warranties, you may be required to fill out and return warranty forms included with the information kit. These other warranties may cover, but not be limited to, items such as axles, tires, batteries, optional generators and appliances not covered by this Limited Warranty. For service or parts for these products, it may be necessary to write to or call the manufacturer to determine the location of the closest authorized service centre. Where parts are required for these products under separate warranty, from the manufacturer or authorized service point, it may also be necessary to first obtain a work order number under warranty before starting work. It may also be necessary to provide the name, model and serial number of the product as well as a description of the problem and the parts required, as well as delivery instructions. Refer to these warranties for the terms and conditions.

Owner assistance

Your trust is important to Roulottes Prolite Inc., as well as maintaining amicable relations with our dealers. We realize that a warranty or service problem may not be corrected to your satisfaction, leading to misunderstandings. After discussing the situation with the dealer's management, if your problem has not been resolved satisfactorily, we invite you to contact the customer service director of Roulottes Prolite, at 450-438-3112, toll-free at 1-888-438-3112, or at the address indicated above. Our recommendations for an acceptable solution will be sent to the dealer.

THIS WARRANTY PROVIDES YOU WITH SPECIFIC LEGAL RIGHTS. YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY BY STATE.

- ☐ J'ai lu et je comprends les termes de la garantie limitée.
I have read and understand the terms of the limited warranty.

ENREGISTREMENT DE LA GARANTIE / WARRANTY REGISTRATION

Nom du concessionnaire / Name of the authorized dealer	Vendeur / Salesperson
Numéro du contrat de vente / Sale contract number	
Nom du client / Customer name	
Adresse / Address	
Ville / City	Province
Code postal / Postal code	Téléphone / Phone
Adresse courriel du client / Customer email	

DESCRIPTION DU VÉHICULE NEUF / NEW RV DESCRIPTION

Numéro de série / Serial number	2L9VF
Modèle / Model	Année / year
Date d'achat / Date of purchase	Date de livraison / Delivery date
Signature du concessionnaire / Dealer signature	Date
Signature du client / Customer signature	Date

La garantie doit être enregistrée pour être valide. / The warranty must be registered to be valid.
Courriel / Email : reception@roulottesprolite.com

RESPONSIBILITIES OF THE RECREATIONAL VEHICLE OWNER

As owner, you are responsible for proper maintenance of your recreational vehicle.

1. You must perform regular, appropriate maintenance. Ensure that you perform service quickly and do not ignore any problem. It is not always necessary to bring your unit to your dealer; sometimes, a telephone call is all that is necessary, so the technicians can advise you.
2. Familiarize yourself with your RV. Follow all the component manufacturers' instructions on use and servicing of their products.
3. Fill out and return all the warranty cards, if required by the manufacturers. This can avoid problems that might not be covered by the warranty.



NOTE

Changes made to your RV without the written authorization of Roulottes Prolite Inc. may result in reduction or loss of warranty coverage. Contact your dealer before making any such changes.



NOTE

Roulottes Prolite Inc. wishes you the most enjoyable experience possible with your new RV. Immediately refer any question or concern about your RV to your dealer before using your unit for the first time.



CAUTION

Remember that your recreational vehicle is subject to shocks and vibrations every time it is in motion. Despite all our efforts to prevent this type of incident, some items such as screws, bolts or hinges may work loose over time.

We advise you to check and tighten these components occasionally to avoid breakage and potential injury.



NOTE

Use your new recreational vehicle responsibly. Your RV has not been designed for use as a permanent residence. If you plan to use it for this purpose, this may lead to premature wear of the unit's interior devices and surfaces and result in reduction or cancellation of your warranty coverage.



NOTE

If you get permission to have repairs done by a dealer who is not an authorized Prolite dealer, you still must return the defective part to us to be eligible for reimbursement under warranty.

HERE A SUGGESTIONS TO HELP YOU AVOID MOST WARRANTY-RELATED PROBLEMS

— Read your warranties and review them with your dealer's salesperson. The dealer's obligation is to educate you about correct and safe operation of your RV and all its components.

— Ensure that you inspect the entire camper van unit, note all service problems and have them corrected by your authorized dealer.

— Find all the documents and ask any questions you may have.



HINTS AND TIPS

We strongly urge you to use your recreational vehicle at home as if you were camping, before taking it on the road for the first time. This exercise will let you test and become familiar with your appliances, and ensure that all components are in good working order.

Take a shower, use the toilet, air conditioner or heating, cook a meal, etc.

TAKING POSSESSION

The dealer will fill out two forms for your recreational vehicle, the certificate of vehicle delivery and the warranty registration form. If you do not find a copy of these forms in your owner's kit, request a copy for your records. These are part of your RV's history.

A qualified representative of the dealer will conduct a review demonstration to provide you with important information about the operation of your unit. Ensure that you fully understand the information provided and the operation of your unit, to ensure the most enjoyable camping experience possible.

Your dealer will explain the operation of the systems in detail and provide information about the components used in the manufacture of your recreational vehicle.

DEALER'S RESPONSIBILITIES

The dealer is responsible for verifying proper operation of components installed by the dealer or the factory. This is called the predelivery inspection and systems verification.

Your dealer is required to offer you a full and thorough demonstration visit. This demonstration should give you a clear understanding of the operation of your RV.

The owner's information kit should be given to you at this time. This kit includes all warranty cards, information about the components, information about the warranties and instructions for operating and maintaining your new unit.

All component warranty forms should be discussed or filled out at this time. Your dealer should help you clearly understand all the provisions of the limited warranties to prevent loss of a warranty for any reason what so ever. Ask any questions you may have before you leave the dealership.

Your dealer should provide you with information regarding the service to be performed on your unit, for example, checking your exterior joints, winterizing of your camper van. see the care and maintenance section for full details

If the dealer does not provide you with complete satisfaction and does not carry out its obligations, please contact us:

Roulottes Prolite Inc.
c/o Customer Service Branch 5 Claude-Audy Street
Saint-Jérôme, QC J5L 0A3

450-438-3112
toll-free 1-888-438-3112

FOR SERVICE APPOINTMENTS AT YOUR DEALERSHIP (PROBLEMS RELATED TO THE CAMPER VAN E-EVOLUTION)

When you call to schedule your appointment, please have the following information at hand.

1. RV identification number (17 letters and numbers, sometimes called the serial number)
2. Unit type (for example, E-Evolution MS)
3. Purchase date
4. Detailed description of the problem
5. Repair history and location of the repair centres where these repairs were performed, if applicable
6. Your agenda, to facilitate the choice of a convenient date for you and the repair centre

Planning and diligence for service benefit everyone. When someone does not show for an appointment or arrives late, the service schedule for the entire day is disrupted. Please be courteous and drop off your unit at the agreed time, on the agreed date. Have a list ready, be specific, and be reasonable in your expectations. Some repairs may require ordering special parts. When you wait at the dealership, safety concerns and most insurance policies deny access to work areas for persons who are not employees. If you must wait until repairs have been completed, most of our authorized dealers provide a comfortable, safe waiting area.

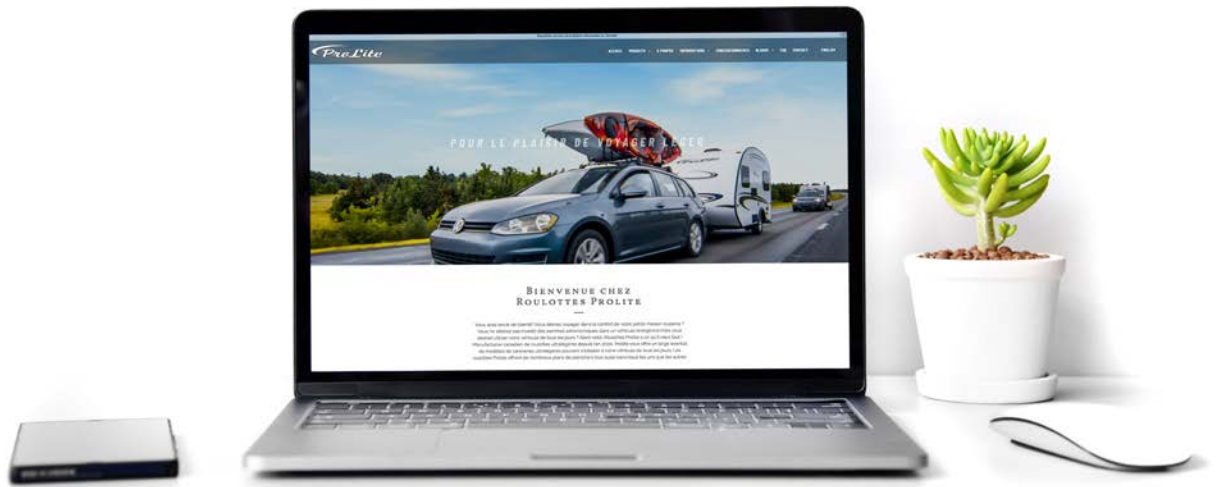
—
For problems related to the van itself, contact a manufacturer's authorized dealer (e.g. Dodge or Mercedes)

OUR WEBSITE

Visit our website

RoulottesProlite.com

for more information on various aspects
of your recreational vehicle.



ProLite

KEEP IN TOUCH

NEWLETTERS

We suggest that you subscribe to our newsletters so you receive, in the comfort of your home, all our news, tips and hints on maintaining your RV, and a host of topics that may interest you.

INTRODUCTION

For the purposes of this manual, the images, tables and illustrations may not reflect the exact component(s) of your model or even the location of certain items. This manual is intended as a general reference tool for owners of converted Prolite Van. The information may even differ depending on the year of manufacture.



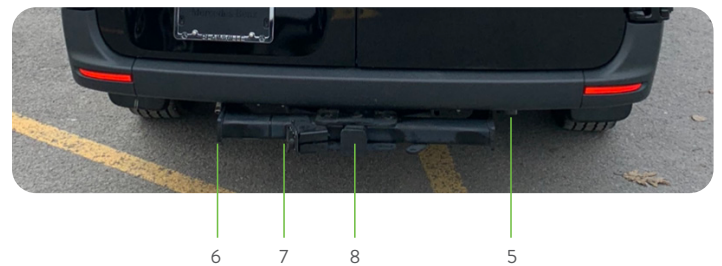
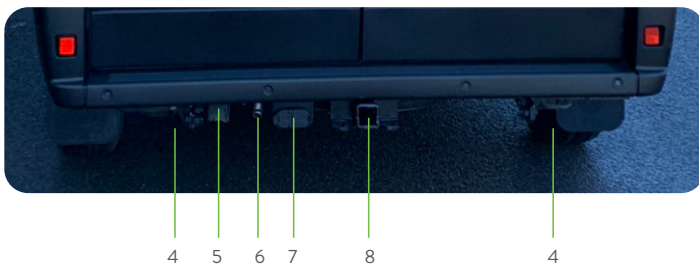
FRONT OF THE RV



LEGEND

1. Crank Awning

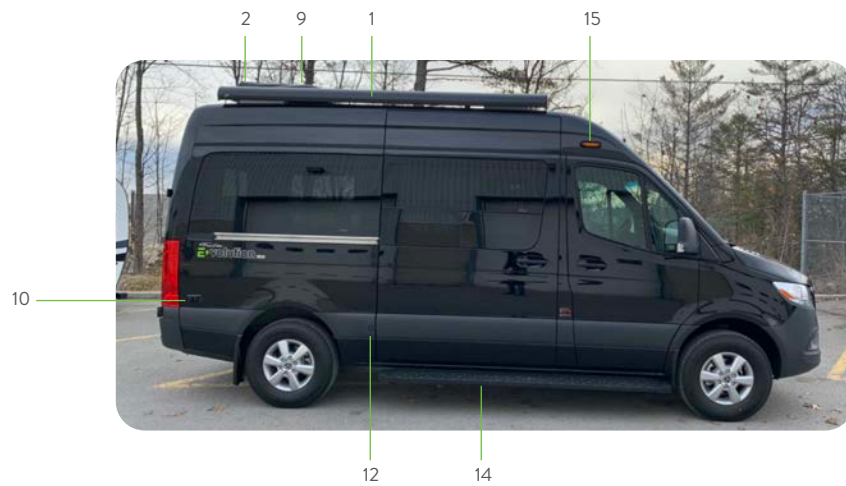
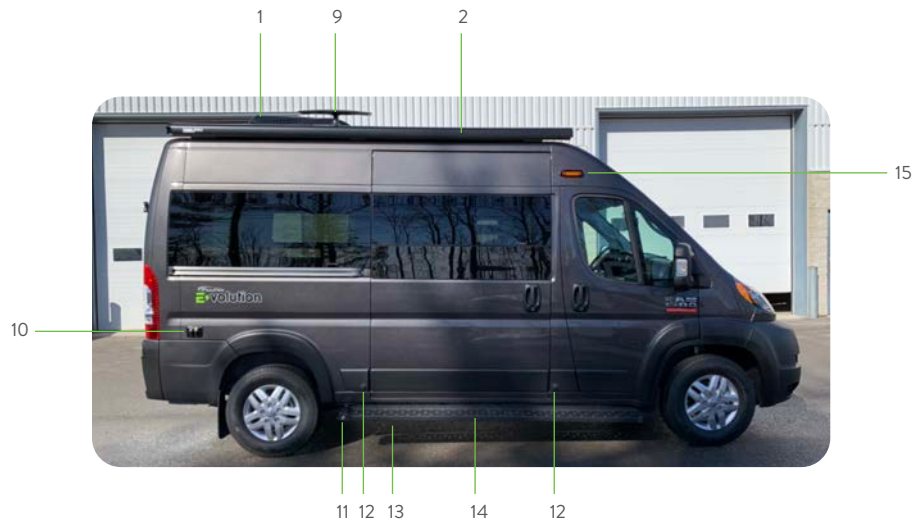
BACK OF THE RV



LEGEND

1. Crank Awning
2. Air conditioning
3. Backup camera
4. Trailer hitch bracket
5. Van exhaust pipe
6. Forced air heater exhaust pipe, if applicable (Option)
7. Trailer hitch connector
8. Trailer hitch

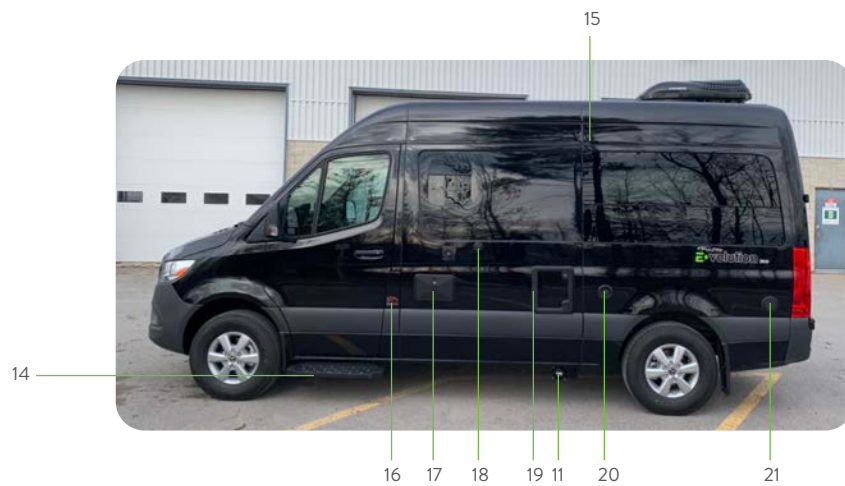
PASSENGER SIDE OF THE RV



LEGEND

1. Crank awning
2. Air conditioner
9. TV antenna
10. External 120 volt sockets
11. Grey water drain valve
12. Blue courtesy light
13. Grey water drain connector (under the step)
14. Step
15. Porch light

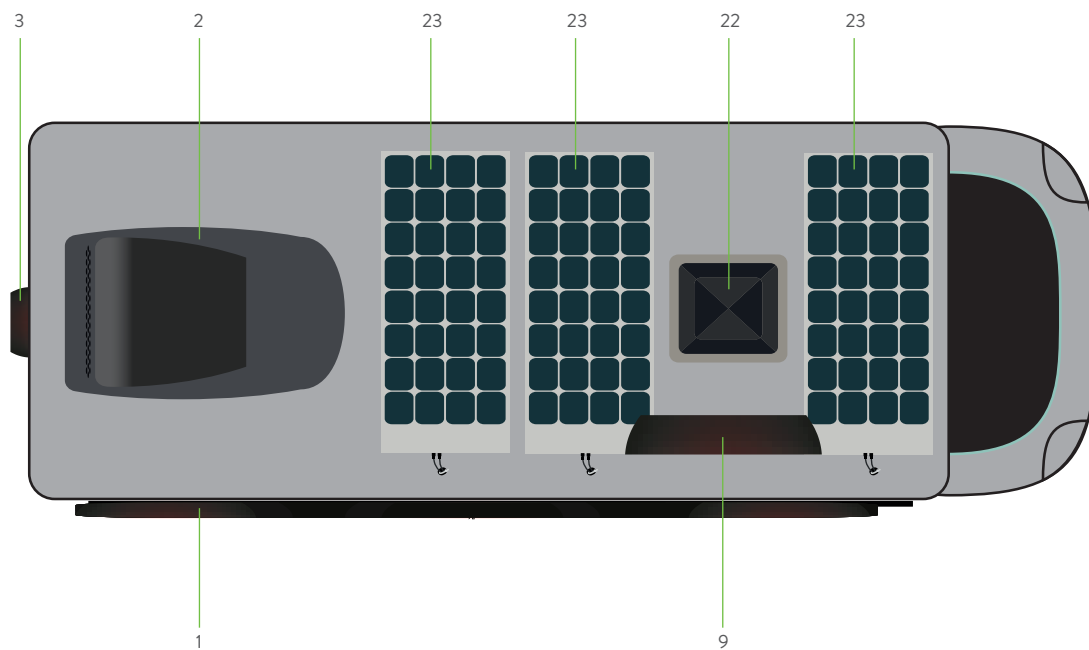
CONDUCTOR SIDE OF THE RV



LEGEND

- 2. Air conditioning
- 11. Gray water drain valve
- 14. Step
- 15. Porch light
- 16. Fuel door
- 17. Exterior shower
- 18. City water inlet
- 19. Cassette toilet
- 20. Gravity water inlet
- 21. Electrical inlet 120 volts / 30 amps

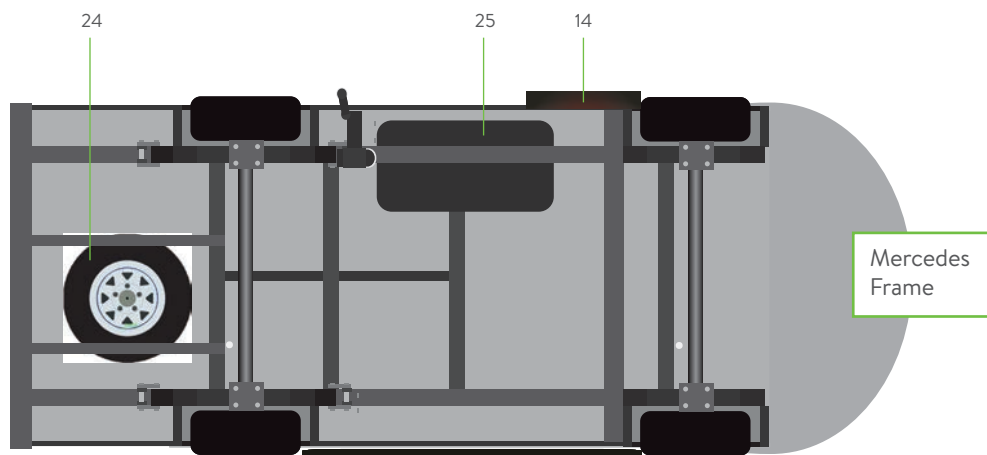
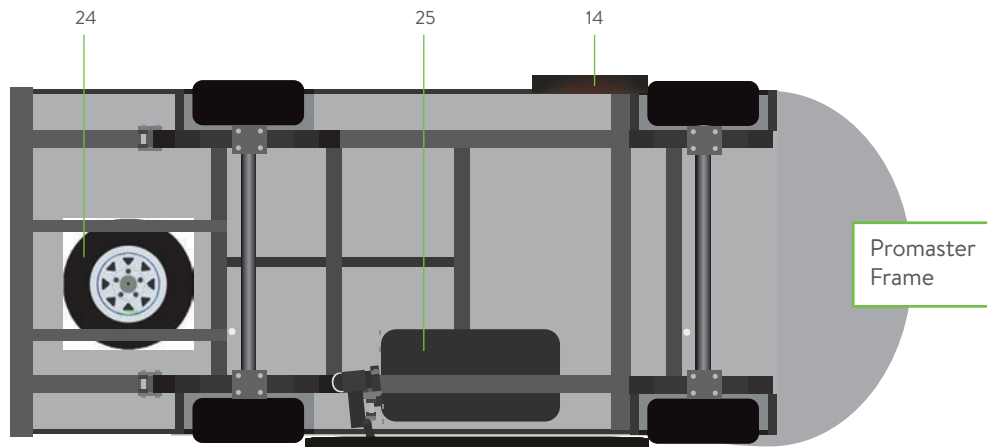
TOP OF THE RV



LEGEND

- 1. Awning in box
- 2. Air conditioning
- 3. Backup camera
- 9. V antenna
- 22. Ventilation dome
- 23. Solar panel (number depending on the model of the chassis)

UNDERSIDE OF TRAILER



LEGEND

- 14. Footboard
- 24. Spare wheel
- 25. Grey water tank (different positioning according to chassis model)

YOUR RV'S IDENTIFICATION

SERIAL NUMBER



It is located at the front in the driver's side front windshield.



HINTS AND TIPS

Always specify the model, year, and VIN (vehicle identification number) when ordering parts. We recommend that you keep a copy of this information separate from the recreational vehicle in case of theft or vandalism, as police authorities may request it.

WALLS

The chassis of the van is made of steel, the walls are insulated with rock wool. This insulation is known for its excellent sound absorption capacity, its resistance to combustion, corrosion and water. In addition to all these characteristics, the insulation is chemically inert, does not rot, does not encourage vermin, does not promote the growth of mold or mildew and contains no CFCs or HCFCs. This rock wool is made from natural and recycled materials. The walls are then covered with fiberglass in most areas of the camper cabin or with an acoustic quality carpet.

FLOOR

Our floors are made of poplar plywood and covered with durable linoleum that is very resistant to various temperature and humidity conditions. It is glued over the entire area to avoid cracks that may occur in low-temperature conditions.



NOTE

Prolonged exposure to too much water during maintenance may cause your floor to discolour or swell. Take care to dry the floor thoroughly.



MAINTENANCE

The linoleum floor installed in your RV needs only mild detergent and hot water for cleaning. Use a damp cloth for regular cleaning, rather than a wet mop each time.



EXTERIOR DOORS AND WINDOWS

Silicone spray lubricant may be used on hinges and locking mechanisms, as well as graphite lubricant for locks. When cleaning your rv, check for leaks around doors and windows.



CAUTION

Make sure to always close your windows before you hit the road to prevent them from opening in the transport and/or to prevent water infiltration.



EXTERIOR ADHESIVE JOINTS

Water is clearly your RV's greatest enemy. Regular inspection and maintenance of its joints, sealants, and adhesives is your responsibility. Exposure to the elements and climatic variations may accelerate joint deterioration.

- Every three months, carefully inspect sealants on the roof, around the windows, exterior doors, loading hatches, connections and mouldings, as well as all lights. Replace the sealant as required.
- Inspect the camper van for signs of water infiltration. Look for cracks, voids, or any sign of deterioration. Cracks and deteriorated joints may allow water to penetrate and result in very costly repairs.
- Also inspect around roof vents, roof components, and all mouldings. A quick inspection before each trip will help reduce potential problems on the road.
- Inspect all these components when preparing the camper van for winter, and when opening it up in the spring.

If you discover interior leaks, contact your dealer quickly. Defects caused by lack of inspection and maintenance cannot be covered by warranties.



NOTE

Prolite recommends having your dealer inspect your RV for water tightness and make any necessary repairs. He is specially trained for rapid detection and correction.

CHECKING THE RV'S EXTERIOR JOINTS

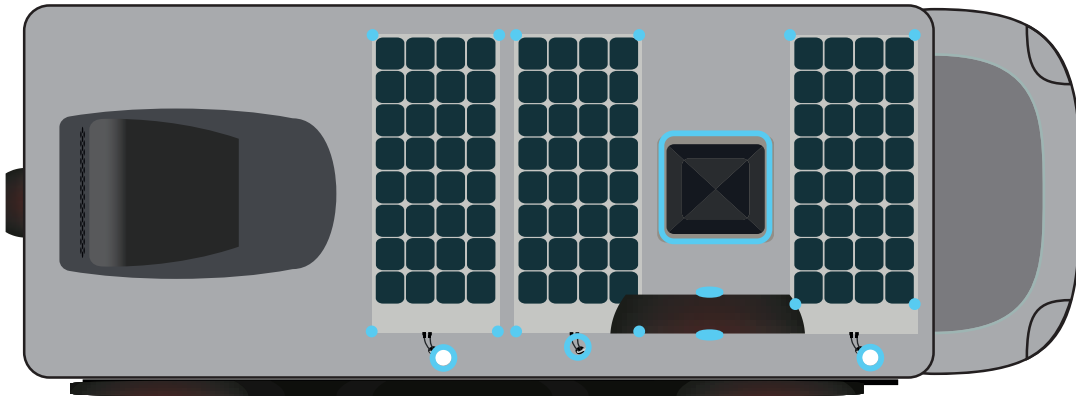
It's important to check all exterior joints **every six months**.

SILICONE SEALS

If a joint is damaged, stained or has parts missing, it must be repaired.

DICOR SEALS

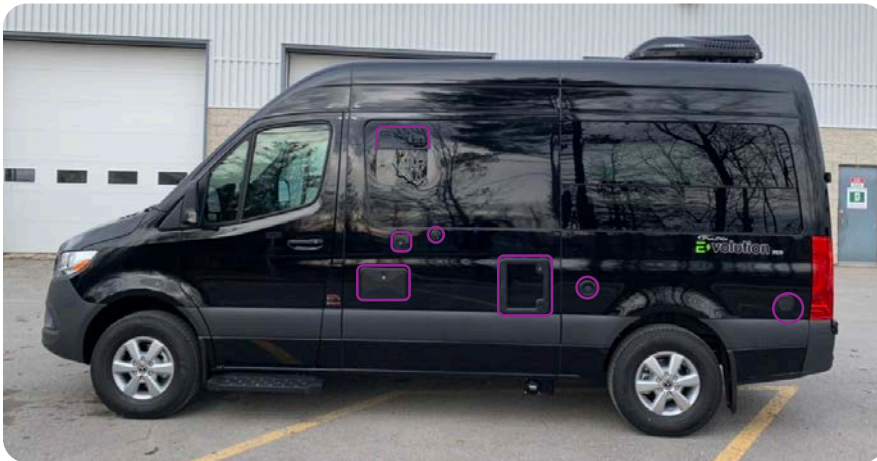
If a joint is dented, it must be repaired.



CHECKING THE RV'S EXTERIOR JOINTS PROMASTER FRAME



CHECKING THE RV'S EXTERIOR JOINTS MERCEDES FRAME



NOTE

If you regularly travel where salt is present on the roads or near the sea, have an additional protection applied to prevent rust and corrosion. This will prevent many problems related to early rust on your chassis. Consult the van manufacturer.

INTRODUCTION

The interior of our camper van is outfitted to provide a comfortable space with emphasis on quality products, optimal use of space, and quality fabrics and materials. All furniture is glued and bolted (secured) to the structure to ensure maximum solidity of your recreational vehicle. Our RV provide ample light with many windows and quality lighting using light-emitting diodes (LED) that provide significant energy savings and extended service life.

BEDS, CUSHIONS AND CURTAINS

The fabrics used in cushions and mattresses are premium quality with zippers to facilitate washing of fabrics. Cushions are 3.5 inches thick and mattresses are 5 inches thick.



MAINTENANCE

Curtains and upholstered furniture are of similar quality to those found in your home. Treat them as you would any fine fabric. Some bed spreads and curtains require dry cleaning.



DANGER

Young children can strangle on a cord, chain or other mechanism used for curtains. Always keep cords and chains out of the reach of children. Remember that a child can climb on furniture to reach dangerous objects.

DINETTE TABLE/BED

In most of our RVs, the dinette converts into a bed by lowering the table. There are two table types, with lever legs or a removable column.



DINETTE-TABLE

The dinette table is installed with the removable column.



SWIVEL SEATS

The swivel seats are pivoting by using the lever under the bench.



1. Swivel lever



NOTE

When travelling, lower tables, stow counter and bed extensions (if applicable, and remove stowable sink and stove covers.

STORAGE CABINETS

Many storage spaces such as wall closets, overhead compartments, cabinets under beds, under the stove, etc. All storage cabinets and doors are equipped with a pressure bar to ensure they remain closed when the trailer is in motion.



MAINTENANCE

Interior cabinets are made of maple and require little maintenance. Clean them with a solution of hot water and mild soap, then dry them with a soft, dry cloth. Do not use soap containing citrus or petroleum-based products, to avoid damaging the finish or applied decals.



WARNING

Avoid placing heavier personal items where they rest against the door, which might be forced open, especially in difficult travel conditions. Always open these doors with caution after travel on the road.



INTRODUCTION



This section covers the equipment appliances installed in our RV. They may be standard in some models and optional in others. Most equipment and appliances come with a manufacturer's manual included in your information kit. These manuals describe the operation, maintenance, warranties, and other useful information.

NOTE

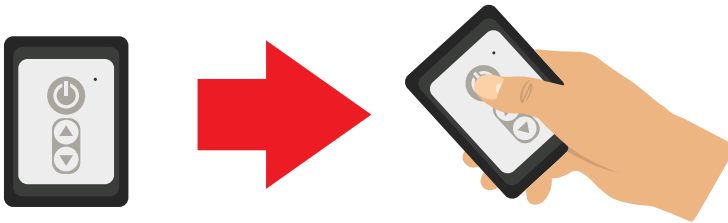
This section provides some maintenance advice, but always refer to the manual for the appliance, equipment, or accessory for all details.

EXTERIOR AND INTERIOR LIGHTS



All our lights are LED (light emitting diode) and offer incomparable energy savings. Some of them are dimmable; simply use the dimmer switch. The wall mounted light switch can be removed from its base and used as a remote control.

The switch for the courtesy lights is located by entering under the counter extension shelf. The switch for the porch light is located directly on top of the porch light.



NOTE

If your lights oscillating for no apparent reason, check the charge of your trailer battery. It may be low.

RV AWNING

A patio awning is a popular accessory on recreational vehicles. The best way to extend the life of your awning is to keep it clean, use it correctly, and especially, protect it from foul weather (rain, wind, downpours, storms, etc.). At some point, most campers have had to obtain spare parts (legs, centre arm, awning fabric, etc.) when they suffered damage by Mother Nature with an awning left open, poorly secured, not inclined, etc. Please remain vigilant.



Box awning

INSTALLATION OF YOUR AWNING



HINTS AND TIPS

You can install its legs on the ground. Never forget to screw the butterfly nuts of your legs.



WARNING

Your awning must never be left open if you cannot ensure that you will be able to close it quickly in response to sudden changes in weather. The warranty does not cover damage due to exposure to natural elements.



NOTE

It is important to let your awning dry before retracting it. If you close it while it is still damp, you may increase the risk of mould. Reopen it as soon as possible when conditions allow it to dry.



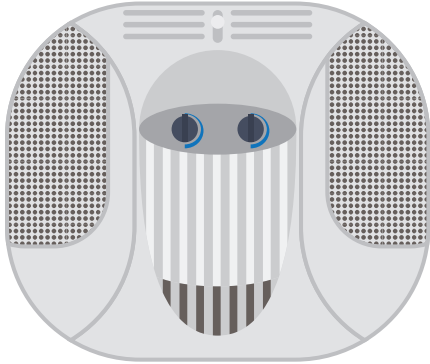
MAINTENANCE

At the start of each camping season, ensure that the mounting screws are tight. If the operating handle is hard to move, apply silicone spray. If there is water or a leak behind the awning rail, inspect the rail for loosened screws or a damaged seal.



MAINTENANCE

Treat your awning with a product specially designed for awning treatment and maintenance, available from a specialized retailer. Refer to your awning manufacturer's instruction sheet for information on operation and maintenance.



AIR CONDITIONER

The air conditioner operates when the camper van is connected to 120-volt AC current. For best performance, it is best to park your RV in the shade, keep the curtains closed, and close all doors and windows during periods of extreme heat. Refer to the air conditioner manufacturer's instruction manual for detailed operating instructions and preventive maintenance requirements.



NOTE

Prolonged use may cause condensation and freeze the air conditioner. Turn it off, let it thaw out for several hours before starting it again.



CAUTION

The inverter should never be used for large electrical appliances such as air conditioning. The battery would be discharged in a few minutes.

VARIABLE-SPEED VENTILATOR

The electrical ventilator runs on 12-volt current and is operated by a control switch. We suggest that you read the manual for this accessory to learn about its operation and maintenance.



HINTS AND TIPS

Purchase of a ventilation cover lets you leave the roof vents or variable speed ventilator open when the trailer is parked.

MICROWAVE OVEN

The microwave runs on 120 volts alternating current as well as with the use of the inverter, when you are camping without service. To use the microwave using the inverter, you must turn the inverter controller on. It is very important to turn the inverter controller «off» when you finish using the microwave to prevent the inverter from unnecessarily converting energy.



HINTS AND TIPS

Save the packaging for the glass microwave tray, to use when on the road, to avoid breaking the tray.



NOTE

Please follow the instructions in the manufacturer's manual for maintenance and use of microwave ovens.

THE REFRIGERATOR

The refrigerator in your 12V is an appliance operating with direct current (DC) 12 volts. When your trailer is connected to 120 volts current (AC), the refrigerator will automatically operate on electrical mode using the trailers converter. When you are not connected to 120 volts current, your refrigerator will operate on the 12 volts direct current from your battery. It has a compression cooling system and it is very important that the vehicle is level for efficient operation. The refrigerator will use the energy of your battery at an average of 3.5amp/hr. Refrigerator repairs must be performed by a qualified technician.



HINTS AND TIPS

You can use the small bubble sticker inside your refrigerator to determine whether the appliance is perfectly level.



NOTE

Carefully read the manufacturer's manual before using this appliance, for complete operating instructions, warranty details, and safety instructions.

THE INDUCTION PLATE

The induction plate operates on 120 volts alternating current as well as with the use of the inverter, when you are camping without service. To use the induction plate using the inverter, you must turn the inverter controller on. It is very important to turn the inverter controller «off» when you finish using the induction plate to prevent the inverter from unnecessarily converting energy.



NOTE

Read the manufacturer's manual carefully for warranty, safety and operation instructions before using the device.



WARNING

The induction plate is very fragile and shock sensitive. Do not place objects on the plate. Do not leave it in close proximity of objects that could potentially fall onto it and do not drop it. Store it in a secure place when traveling.



NOTE

Don't forget to bring pans and pots that are compatible with induction cooking.

TOILET

If applicable, your trailer is equipped with a marine-type toilet that operates with water from a drinking water tank or external water supply connected to a municipal water system. The water pump must be activated when you are not connected to a municipal water system.

HOW TO OPERATE THE TOILET

1. Press the button to add water to the bowl before using the toilet.
2. Depress the lever completely to empty the contents into the black watertank.
3. After flushing, check that all contents have been removed.

To ensure proper operation of the toilet, the flush valve and flush tank valve, never rinse or place any of the following items in the toilet.

- Damp tissues, paper sanitary napkins, including those labelled “disposable”, or hygienic tampons
- Multiply toilet paper
- Any plastic or rigid substances
- Detergents, petroleum-based products, or ammonia
- Automotive antifreeze, alcohol or acetone, grease or oil from table scraps, kitchen waste, or solids that can obstruct the system.



- 1. Lever
- 2. Button



HINTS AND TIPS

We recommend that you use biodegradable toilet paper as well as a deodorant for the RV septic tank to avoid blockages and unpleasant odours.



MAINTENANCE

The toilet is manufactured of plastic. Use mild soap and water to clean it. Never use chemicals, cleaning products containing abrasives, gasoline, chlorine bleach, acetone, kerosene or citrus-based cleaners. Check all cleaning products to ensure they are compatible with your toilet's plastic.



WARNING

When removing the container from the cassette tank, if you feel resistance, do not force the cassette as you may damage the toilet tank. Check inside the trailer that the toilet flush lever is properly closed. Breakage of this mechanism on the cassette toilet is not covered by the warranty.

SHOWER

Your shower panels are made of water-resistant fiberglass.



NOTE

To prevent mould and exhaust humidity caused by water vapour, wipe down the walls of your shower and ventilate your RV after each use.



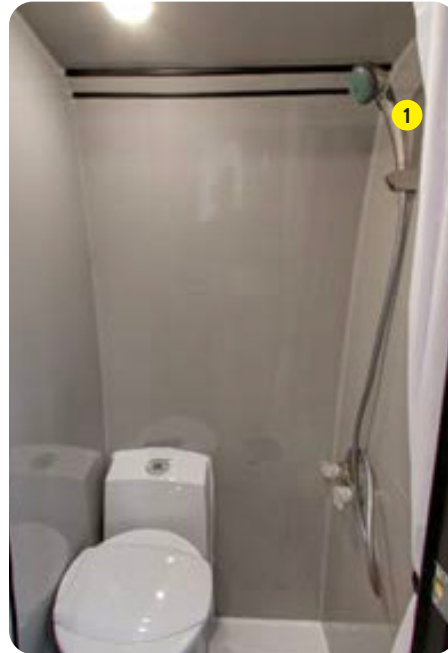
NOTE

Pay close attention to check that shower wall panels and base joints are not cracked or perforated.



NOTE

If water does not drain off the shower panel, ensure that the flow controller has not been activated.



1. Flow controller



MAINTENANCE

The shower is made of plastic and should be cleaned with mild soap and water. Never use chemicals, cleaning products containing abrasives, gasoline, chlorine bleach, acetone, kerosene, or citrus-based products. Check all cleaners to ensure they are compatible with your shower's plastic.

EXTERIOR SHOWER

Our RV is equipped with exterior showers. There is a cold water faucet and a hot water faucet and a shower head flow regulator. When you are not connected to running water, you must turn on the water pump inside your RV in order to use it. If you wish to use hot water from your exterior shower, you must turn on the water heater.



1. Flow controller



2. Water heater switch

3. Water pump switch



NOTE

Make sure you have water before using your water heater to avoid burning the water heater element.

THE PORTABLE HEATER

The portable heater operates on 120 volts alternating current as well as with the use of the inverter, when you are camping without service. To use the portable heater using the inverter, you must turn the inverter controller on. It is very important to turn the inverter controller «off» when you finish using the portable heater to prevent the inverter from unnecessarily converting energy.



WARNING

You must read the heater manufacturer's instruction manual included in your information package for proper maintenance, operation, and all related safety tips.



HINTS AND TIPS

Some people may find the portable heater to be a nuisance when it turns on while they are sleeping. Use extra blankets to keep yourself warm.

INTEGRATED HEATING

Your heater operates on 120 volt AC power and with the inverter when you are camping without service. To operate your heater using the inverter, you must turn on the inverter. Turn on the heater, set the thermostat to the desired temperature. It is very important to turn your inverter control to the Off position when you are finished using it to prevent the inverter from converting energy uselessly.



Photo of integrated heating



Controlling the integrated heating



WARNING

You must read the manufacturer's instruction manual for your heater included in your information package to learn about its maintenance, operation, and all related safety tips.



HINTS AND TIPS

Some people may be bothered by the portable or built-in heater starting up while they sleep. Use extra blankets to keep warm.

FORCED AIR DIESEL OR GAZ HEATING

If applicable to your model, you must turn the thermostat on and select the desired temperature for it to activate. Refer to your owner's Manual in your owner's Kit for complete details. There are several setting and programming options available.



- 1. GFCI socket
- 2. Thermostat
- 3. Inverter control panel
- 4. Solar panel control panel
- 5. Load center



WARNING

You must read the manufacturer's instruction manual for your heater included in your information package to learn about its care, operation, and all related safety tips.



NOTE

Use the forward/backward arrows on your thermostat to go to the heating icon. Select the range between 01 and 07. It may take 2-3 minutes for the heating unit to turn on or off completely.



Forced air heater



Indoor heating outlet



NOTE

Make sure you have enough fuel to operate your forced-air heater.



DANGER

It is very important not to leave your vehicle or forced air heater running for a long or short period of time depending on the surrounding conditions. Fumes from the van exhaust and heater exhaust could enter the vehicle and emit high concentrations of carbon monoxide that could be harmful or even deadly. Make sure you always have good ventilation in your RV.

ELECTRIC WATER HEATER

The water heater runs on 120 volt electricity and is supplied with water from the water system, either the city water inlet or the pump. You must turn on the inverter to use it. Then turn on the water heater switch.



NOTE

It can take up to 20 minutes to heat up the 2.5 gallons.



NOTE

Make sure you have water in your fresh water tank (city water or tank water) before starting the electric water heater.



HINTS AND TIPS

To preserve the power of your battery, you can plan 1 hour before your arrival at your destination, to activate your inverter and to activate the water heater, it is the energy of your vehicle which will heat your water.



1. Pressure valve

2. Temperature controller

3. Water heater switch

4. Water pump switch



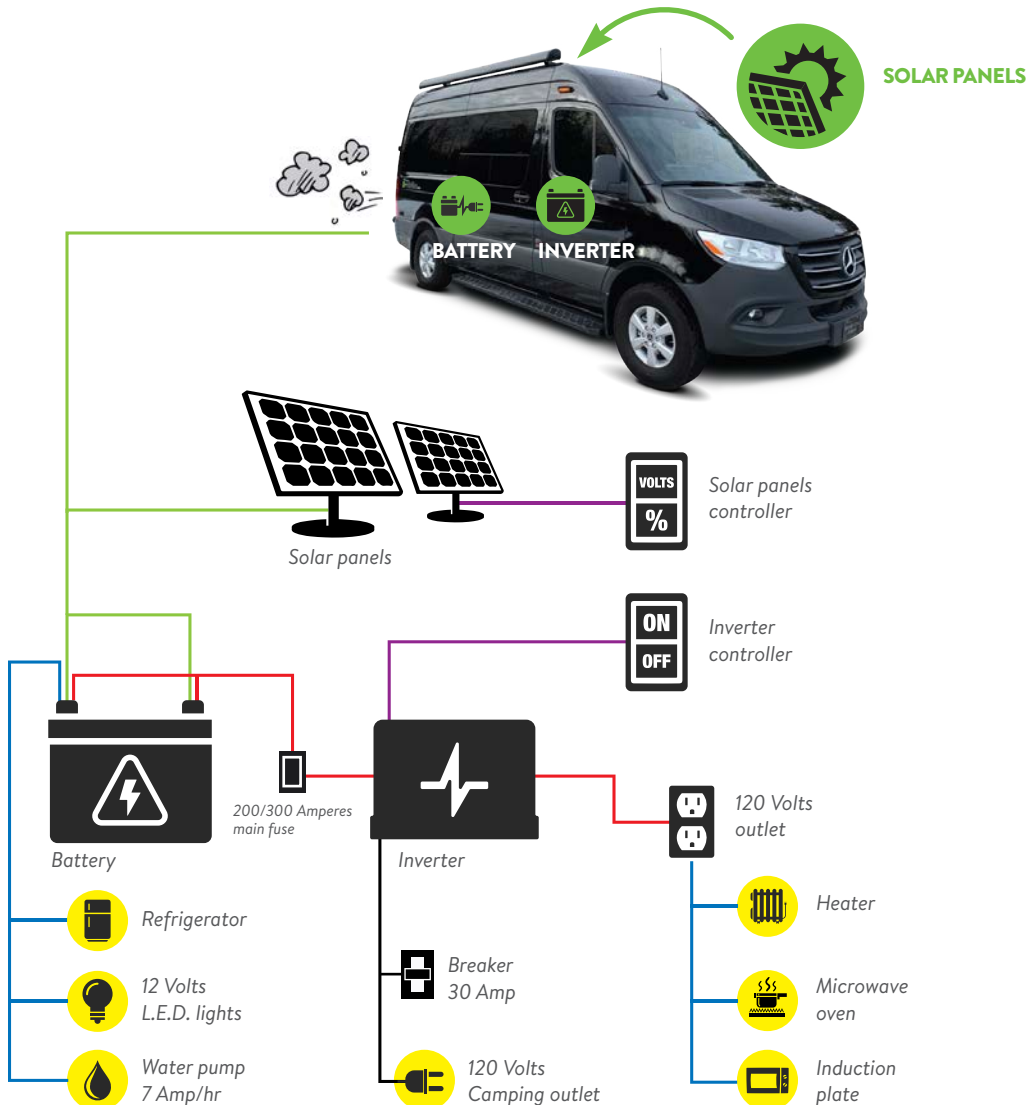
HINTS AND TIPS

It is best not to set the temperature of your water heater to maximum if you are using the inverter. You can adjust the temperature by adjusting the temperature controller located directly on the water heater.



CAMPER VAN E-VOLUTION

The electrical system of your RV Prolite is a combination of 12 volts direct current (DC) equipped with a 2000 watts pure sine wave inverter which is used to convert direct current (DC) into 120 volts alternating current (AC) to operate your small electrical appliances when you are camping without service. The main electrical network of camper van is provided by a 30 amperes cable that you connect to a 120 volts exterior power source. An electrical panel with a single 30 amperes breaker is located inside to protect your entire electrical network. Your solar panels are there to charge your battery for the use of your 12 volts devices and the battery will also supply your inverter for the use of your 120 volts appliances and outlets.





To differentiate the two systems, you must know that the 12 volts is what a car uses and the 120 volts, is what is used in your house. When you are connected to 120 volts alternating current (AC), your appliances that are connected to 120 volts wall outlets will operate normally. Should you not have access to alternating current (camping without service) you will use the inverter by turning on the inverters controller to operate your 120 volts appliances.

THE 12 VOLTS SYSTEM CAN OPERATE IN FOUR DIFFERENT WAYS

- Through the battery of the camper van.
- From the converter which transforms the 12 volts AC into 12 volts DC.
- Through the motor vehicle using a 12 volt DC.
- By charging the battery with the solar panels.

THE 120 VOLTS SYSTEM IS OBTAINED IN TWO WAYS

- By connecting the electrical cord to an exterior power source which provides the 120 volts alternating current for the cabin accessories and equipment that require this type of electricity, the microwave, the 120 volts electrical outlets (household type), the portable heater and the induction plate.
- By using the inverter, by turning on the control panel of the inverter located on the sink cabinet.

The vehicle also allows the cab batteries to be recharged when the engine is running. In addition, the wiring brings a 12-volt charge from the vehicle's alternator to the cabin's battery. The solar panels recharge the battery of your cabin.



WARNING

Disconnect any electrical power supply (120 volts in AC and 12 volts in DC) before working on the electrical system. The 120 volts power supply disconnects directly from the electrical outlet, while the 12 volts disconnects by removing the positive terminal from the battery. Make sure all accessories are off to avoid causing sparks. A fire or injury could happen if you do not follow these directions.



THE BATTERY OF THE CABIN CAMPER

Your RV is equipped with an lithium battery as standard. The battery and the converter system are at the heart of the 12 volts direct current system of your Prolite RV. It is essential to understand how it correctly operates to avoid any inconveniences. When the RV is not connected to an electrical outlet, the required energy is provided by the battery. If the battery level is low, all sorts of problems can arise. It is very important to monitor the state of charge of the battery.



- 1. Inverter
- 2. Lithium battery
- 3. 300 amp fuse



NOTE

For owners of 100, 250 amp or 300 amp Lithium batteries, you must change the UPS settings in the UPS control panel.

Go to Unit Set up

Go to 5. Battery type and select custom adjustment

Go to 6. Charge rate and select 90%

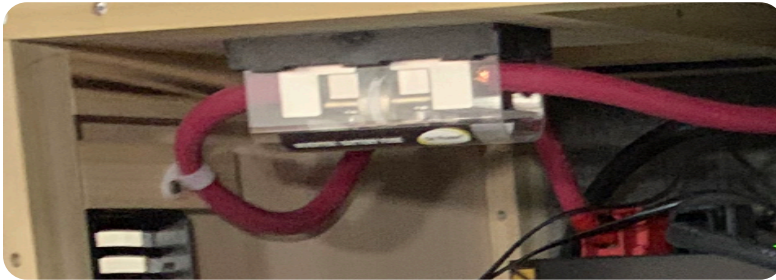
Then go to 7. Final charge and select float stage.

This will give you the optimum use of your Lithium battery.



THE 300 AMPERES MAIN FUSES

A 300 amperes fuse (according to the models) is located between the inverter and the battery of your camper cabin. Its purpose is to protect the 12 volts system of the inverter.



300 amperes main fuse



NOTE

When the inverter does not work, but your battery is fully charged, check that the main fuse is not blown. Replace it if required.



THE CONVERTER

The location of the converter panel is under the dinette-table.



WARNING

Never install fuses with a higher amp rating than that indicated on the converter label. Fuses with a higher rating could overload the electrical wiring and result in fire or serious injury.

All electrical systems are connected through the main fuse panel and power is then supplied to the camper cabin's various circuits. These are shown on a label found on the converter/charger panel.

FUSIBLES

F1	12 volts and USB outlet, water heater, slide-out motor and module
F2	Propane detector, radio, wine cooler, television, antenna booster
F3	Interior and door lights, washroom fan (Lounge)
F4	Heater, water pump, cassette toilet, fan (except Lounge)
F5	Refrigerator, slide-out lights, stove hood
F6	Battery
F7	Main

A battery with a low charge or in poor condition is the most frequent cause of inadequate operation of motorized extensions, appliances, and other components connected to the 12-volt DC electrical system. Excessively low voltage can also cause appliances running on 12 volts, such as the space heater, refrigerator, water pump, etc., to shut down. An energy consumption table is presented at the end of this chapter to help you determine your energy needs. Learn to conserve battery energy to ensure you never lack power.



BATTERY INSTALLATION

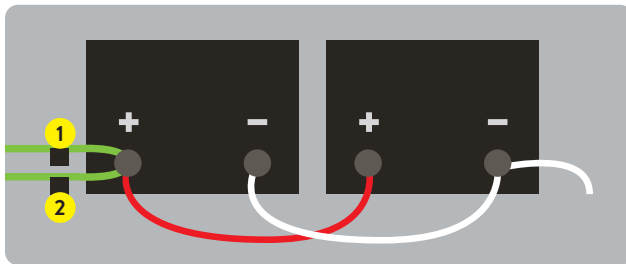
Correct installation of batteries in your RVs is crucial, to avoid risk of serious injury. [SEE THE VIDEO](#)



NOTE

If you connect more than one 12-volt battery, they must always be connected in parallel. Do not connect the batteries in series, because this will produce 24-volt current that will damage the equipment designed to run on 12 volts.

Fuses are found at the positive wire termination (red or black) of the battery connection; one for the solar panels and the other for the converter.



1. Solar panel fuse

2. Converter fuse

You must always install the 12-volt batteries in parallel and place the cables carefully to avoid them being pinched after installation, as this can damage the insulation and cause a short circuit.



BATTERY MAINTENANCE AND INSPECTION OF THE CAMPER VAN

Regular inspection will help you avoid future problems.



NOTE

Always refer to your battery manufacturer's instructions for installation, maintenance, and safety rules.



NOTE

Your battery will lose a lot of efficiency below 10 degrees Celsius, it could go into protection mode to protect itself from the cold weather. There are self-heating batteries that could overcome this type of difficulty if you want to use your RV in cold weather. Always consult your battery manufacturer's instructions for installation, maintenance and safety rules.



RECHARGING BATTERIES OF THE CABIN CAMPER

YOUR BATTERY RECHARGES IN THREE WAYS

1.
While driving on the road or with your vehicle engine running. The battery will be recharged by the vehicle's alternator

2.
When you are connected to an electrical outlet, your batteries are automatically charged by the converter/charger.

3.
By charging with your solar panels.



NOTE

When wilderness camping, you draw power from the batteries to operate lights, fans and other components operating with 12-volt DC. Your batteries will drain quickly depending on the equipment you use.



NOTE

It is very important to understand the difference between a fully charged battery and one that is discharged and has about 1 volt less. A fully charged battery at rest, that has not been charged or drawn down for 24 hours, has 14.2 volts at 25 degrees C or 77 degrees F.

A fully discharged battery has 11.82 volts. Do not be misled by voltmeter readings, because a battery that registers 12 volts has already lost 75 percent of its charge.



IF THE BATTERY IS DISCHARGED OF THE CAMPER CABIN

In some instances, your batteries may be completely discharged. In this case, proceed as follows.

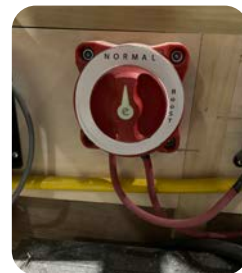
1. Reduce demand on the battery by turning off all lights, fans or other equipment operating on 12 volts that is not absolutely necessary.
2. Make sure your solar panels are free of any residue, debris and are in a location that promotes the best recharging capacity.
3. Connect the RV to 120 volts AC.
4. Run your truck at idle speed to increase charging current and reduce charging time. Keep the current demand to a minimum until the battery is fully charged.
5. If the battery is completely dead, use a battery charger suitable for your type of battery to wake up the inverter, which will take over the battery charging, or use the Normal/Boost switch for about one minute with the engine running. It is located near the battery in the cab and reset to the normal position afterwards.

 [SEE THE VIDEO](#)



NOTE

If you do not have a battery charger, you can connect the RV to a 120v outlet. The inverter will start up again. Leave the cabin connect at the 120 outlet until the charge is complete.



Normal/boost switch



NOTE

It is faster to charge your battery by starting your car connected to the seven-conductor cable than to connect your trailer to a 120V electrical source.



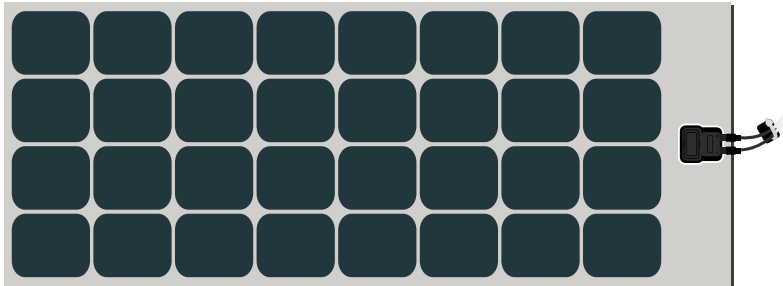
HINTS AND TIPS

In winter, your battery must be stored in a warm place on a piece of wood or other substance to avoid direct contact with the ground. During storage, it must be charged occasionally with a battery charger compatible with your battery.



SOLAR PANELS

Your RV is equipped with one or more solar panels. They are connected to your camper cabin battery.



NOTE

Certain factors may influence how quickly your solar panels charge the battery, such as if they are in a shaded area or on rainy days.



WARNING

Indirect light (through a window or under a carport for example) will not allow the panels to charge.



MAINTENANCE

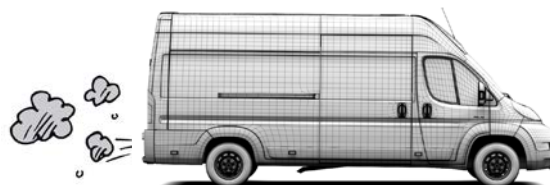
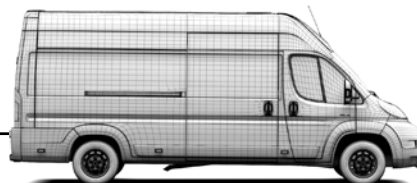
Make sure your panels are clean and free of debris. Refer to the owner's manual for maintenance and use

**NOTE**

Your solar panel controller will indicate the state of charge of your battery.

**NOTE**

When reading your solar panels, it is important that you are not connected to an exterior power source; whether it is connected to a 120 volts power source (AC) or the engine of the van running. If you are reading while your RV is connected, the reader will indicate that the battery is full since it is charging. However, it is not necessarily at its maximum capacity.



**NOTE**

For optimized charging, your solar panels must be free of debris and in an area with favourable sun exposure.

**NOTE**

Refer to the solar panels manufacturer instruction manual and the solar panel controller for the rules regarding use, maintenance and safety.



ELECTRICITY CONSUMPTION FOR INDIVIDUAL COMPONENTS

The maximum power available to your recreational vehicle depends on both the electrical service you are connecting to, as well as the output capacity of the converter that is installed in the camper van. We have provided a chart of typical power consumption for many of the appliances in the RV to determine the total voltage you can use at one time.

If the total exceeds the available voltage (30 amps), then you cannot use all of these appliances at once. When the camper van is not connected to an outside electrical outlet, you must maintain energy efficiency by turning off lights and appliances when not in use. Later in this chapter, we will provide information on energy management and give you some calculations and graphs to help you manage your needs with the 12-volt system.

The following table gives an estimate of various combinations of power services.

ELECTRICAL APPLIANCES	CONSUMPTION (AMPERES)		
	AC (120 V)	DC (12 V)	INVERTER
Lights (all)	s.o.	3-6	s.o.
Refrigerator	0	3.5	s.o.
Air conditioner	10-13	s.o.	120-150
Variable-speed fan	s.o.	3	s.o.
Motorized extension	s.o.	6-8	s.o.
Portable heater	10	0	124
Converter/Charger	0	s.o.	s.o.
Gas water heater (ignition)	10	0	118
Water pump	s.o.	3-8	s.o.
CO/Propane sensor (1)	s.o.	1	s.o.
Computer	0-2	s.o.	s.o.
Radio/CD player (12 volts)	1	1	0.2
Television (12 volts)	1	1-2	s.o.
Microwave oven	8	s.o.	s.o.
Hair dryer	9	s.o.	94
Clothes iron	8	s.o.	105
Toaster (2 slice)	6-8	s.o.	94
Coffee maker	9	s.o.	59
Inverter	1-30	s.o.	105
Induction plate	5-10	s.o.	52-155

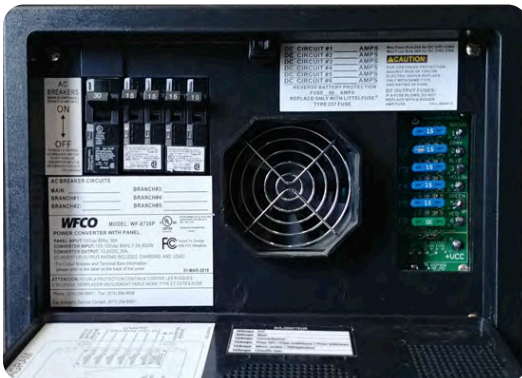


NOTE

When your RV is in covered storage and not plugged into 120 volts, the carbon monoxide /propane detector will will discharge your battery in 2 weeks, therefore, it therefore, it is important to disconnect one pole of the battery so as not to not set off the beeper and discharge the battery unnecessarily.

THE CAMPER VAN'S 120-VOLT AC SYSTEM AND CONVERTER/CHARGER

The 120-volt AC system in a camper van is similar to that in your home and can recharge the batteries through a converter/charger. This current comes from an electrical outlet in a campground (15 or 30 amps) or directly from your home. Your RV has circuit (breakers) for the 120-volt system, located in converter/charger panel.



NOTE

When your RV is connected to a GFCI outlet (ground fault circuit interrupter) at your home or at a camp site it is possible that the outlet trips due to the great energy demand of the inverter/charger. It is favorable that you connect to a standard electrical outlet (without GFCI).



The 12 volts alternating current is routed to the main network circuit breaker and redistributed to the other circuits by individual breakers. The breaker will trip if the nominal amperage is exceeded. If you replace a breaker, never replace it with a breaker having a greater value than the original one.

CAUTION

When charging the RV, be sure to leave space around the converter for proper ventilation, because an overheated converter can be damaged and cause a fire.

The converter/charger is equipped with a cooling fan that starts once a certain temperature is reached. Sometimes you can hear this fan running if the outdoor temperature is high or the charge is operating.

ELECTRICAL POWER CABLE

Your RV is equipped with a power cable to connect to an external 120-volt electrical outlet (source) with 15 or 30 amps. You must not alter or cut the cable for any reason, nor remove components from the connector (plug).

If you must use an adaptor to connect, ensure that all three prongs are fully inserted into the adaptor.



When you connect the power cable to the electrical outlet (e.g. electrical terminal in a campground), press the connector (plug) fully into place for a proper installation.

TO CONNECT YOUR TRAILER

1. Insert the cable connector (plug) into the electrical source outlet at the site.
2. Check that the source breakers are in the “ON” position.
3. If there is no power, check that the trailer’s main breakers are in the “ON” position.

TO DISCONNECT

1. Remove the cable connector (plug) from the electrical source.
2. Stow the power cable.



CAUTION

Some camp sites only have 15-amp outlets. Ensure that you always have a 15-30 adaptor.



NOTE

Our RV's have a 25-foot electrical power cable. You may need an extension cord, depending on your campsite location.



WARNING

Never use a two-conductor extension cord or any cable that does not maintain a proper ground connection. Failure to comply with these instructions might cause a fire or serious injury.



THE MAIN ELECTRICAL ENTRANCE

An electrical panel with a single 30 amperes circuit breaker is located inside your camper van to protect your electrical network.



The circuit breaker.

THE INVERTER/CHARGER CABIN CAMPER

When you are connected to a 120 volts source, the inverter/charger becomes your battery charger. You will be able to use all of your appliances and your 120 volts outlets without having to calculate your energy consumption. When you are camping without service, the inverter/charger of your trailer is used to convert 12 volts energy from your battery into 120 volts alternating current (AC) to operate your small electrical appliances. It will then be very important to carefully calculate your energy consumption.



WARNING

Please wait until the inverter is finished charging your battery before using appliances that consume substantial amounts of energy, such as the air conditioner, heater and electric hot water heater; otherwise you risk tripping the circuit breaker for the outside power line and cause your battery to go dead without you realizing it.



NOTE

You must favor the use of electrical appliances never exceeding 1500 watts to maximize your consumption and not prematurely wear your battery with excessive energy surges.



HINTS AND TIPS

Certain electrical appliances such as the portable heater, hair dryers, toasters etc offer different levels of intensity. Favor medium and low levels rather than maximum power for these devices to avoid excessive energy surges.



NOTE

The inverter is equipped with a cooling fan which turns on when certain temperatures are reached. You can sometimes hear this fan running, if the exterior temperature is high or if the charger is operating.



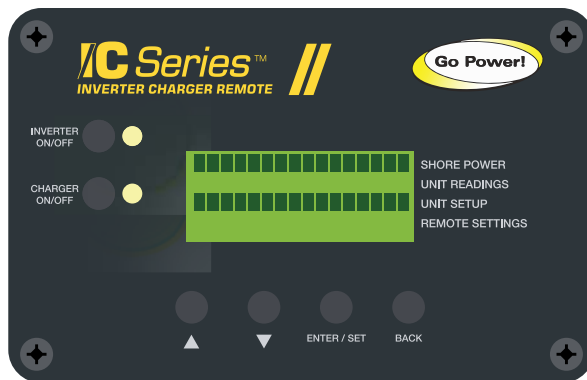
NOTE

When reading your solar panels, it is important that you are not connected to an exterior power source; whether it is connected to a 120 volts power source (AC) or through a 7 way cable from your trailer to your towing vehicle. If you are reading while your trailer is connected, the reader will indicate that the battery is full since it is charging. However, it is not necessarily at its maximum capacity.



USE OF THE INVERTER CONTROL PANEL

When camping without service, you will need to turn on the inverter control panel to convert 12 V energy into 120 volts and turn it off when you are done using it.





CAUTION

It is essential to turn the inverter controller on and off after each use. An oversight on your part will result in a discharge of the battery and will cause energy consumption problems.



The inverter is managed by a 12 volts memory. In some ways it operates as the renewable energy brain system. It will stop working, emit an audible signal and will go into sleep mode when you reach 25% or 10.5 volts of the energy capacity of your battery. You will not be able to operate the inverter when turning it on. The only way to then reactivate it will be by recharging the battery. Refer to the battery charging section.



CAUTION

Despite the fact that the inverter will turn off when your battery reaches 25% or 10,5 volt of its capacity, the appliances operating on 12 volts; refrigerator, led lights, carbon monoxide detector will continue to drain you battery resulting in a total discharge.

Make sure they are in an area with conditions that allow for maximum capacity (Direct sunlight, panels free of debris).

To charge your battery, refer to the battery charging section.



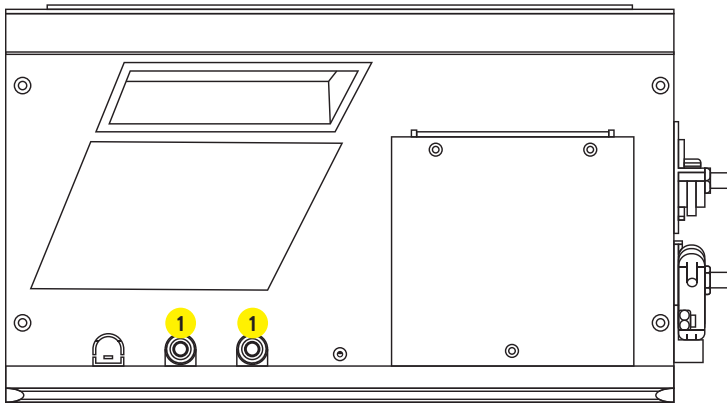
NOTE

Refer to the inverter controller and inverter manual to understand how it operates, maintenance and safety regulations relating thereto.



WARNING

In case of a power surge, the inverter may have tripped for protection, you must reset the circuit breakers. (In accordance with the manufacturer inverter instructions)



1. AC input circuit breakers



WARNING

It is essential for your energy self-sufficiency that you make sure to open and close the inverter controller after each use of your electrical appliances. Otherwise the inverter will continue to convert small amounts of current leading to unnecessary consumption of your battery amperes.



CAUTION

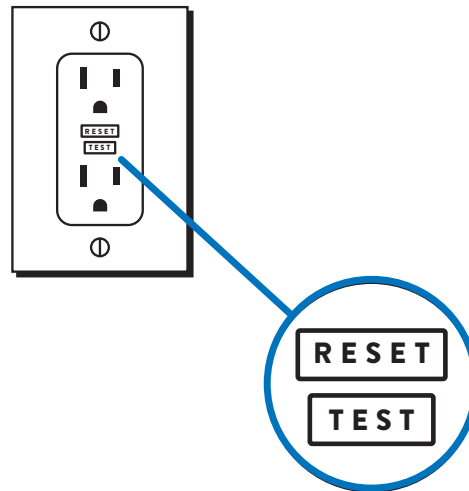
If your inverter is in the «ON» position before connecting to a 120 volts power source, it will retain that it must go back to the «ON» position when disconnecting from the 120 volts power source.

It is important that every time you disconnect from a 120 volts power source that you make sure the inverter control panel is in the «OFF» position. You will prevent your inverter from uselessly converting energy and draining your battery.



GFCI BREAKER

Your kitchen and the exterior outlet on are protected by a GFCI (Ground Fault Circuit Interrupter) breaker. This device provides protection from electrical shocks when using appliances in wet locations.





The GFCI disconnects the electrical circuit each time a fault is detected, which limits the risks of exposure to shocks caused by a ground fault. The GFCI does not prevent an electrical shock nor does it protect a person who makes contact with the electrical system. It also does not protect against electrical circuit overloads.



NOTE

If your exterior outlets or others are not working, check the breaker and reset it if necessary. If the breaker continues to trip, contact a qualified electrician.

Test the GFCI every year when you are connected to 120-volt AC current.

BY PERFORMING THE FOLLOWING STEPS

1. Press the TEST button. The RESET button should pop out, indicating that the circuit has been disconnected.
2. If the RESET button does not pop out when the TEST button is pressed, there is a defect and you must have your dealer or a qualified electrician check your trailer. Do not use the system until the problem has been corrected.
3. Press the RESET button to reset the breaker and restore current.

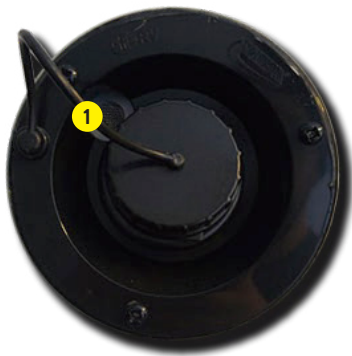


NOTE

When your RV is connected to a GFCI outlet (ground fault circuit interrupter) at your home or at a camp site it is possible that the outlet trips due to the great energy demand of the inverter/charger. It is favorable that you connect to a standard electrical outlet (without GFCI).

INTRODUCTION

The cabin camper is equipped with a fresh or drinking water system fed from a separate tank and water pump. Connecting to a municipal water system at a campground provides external pressure.



Clean water is stored in a plastic tank. The tank is vented so it can be filled completely and properly. This vent opening must not be obstructed and must be kept clean.

1. Vent opening



You should always empty the clean water tank by opening the drain valve before storing the cabin camper for an extended period. When the RV is in use, you should empty and clean the tank every month. The clean water system must also be disinfected before first use after a long time not being used or if the system has been contaminated.

2. Drinking water drain valve



NOTE

Filling the water tank too fast may result in insufficient ventilation and cause the water tank to overflow.



CAUTION

Several factors such as air, heat, and stagnation may promote the growth of micro-organisms in your water system and make your water undrinkable. Always be vigilant with your water supply, its consumption and the elements.



CAUTION

Ensure that you always store your drinking water hose in a clean location away from sources of contamination. It must be used only to fill your drinking water tank or connect to municipal water.



NOTE

Before filling the tank, ensure that the water supply is of good quality, drinkable and free of contaminants. Filling the drinking water tank by gravity.

1. Ensure that the drinking water drain valve is closed.
2. Connect one end of the drinking water transfer hose to the water supply source, then open the water and let it flow until it runs clean and clear. Turn off the feed.
3. Open the water intake tank cover.
4. Place the other end of the hose in your trailer's water intake. Open the water feed and fill the tank until water begins to run out the overflow provided for this purpose, above the water intake.
5. Remove and stow the hose in a clean location.
6. Close the cap on the water intake tank.



WARNING

Drinking water is considered an additional load. Your load capacity therefore is reduced by the weight of the water you are carrying, calculated at about 8.3 lbs. per gallon. Fill your drinking water tank as close as possible to your destination.

USING DRINKING WATER BY GRAVITY FEEDS



When you are not connected to a municipal water supply, you must activate the water pump, which operates on 12 volts or 120-volt AC current, when connected. The pump draws water from your drinking water tank and is usually located near the tank, in a case or cabinet.

The water pump starts when there is a demand for pressure from the switch located on the front or side of a cabinet. It is activated by a drop in water pressure detected in the water pipes, thus when a tap is opened. The pump continues to operate until the tap is turned off and the pressure is restored. The flow rate is about 2.8 gallons a minute at 40 to 55 lbs. per square inch (psi).



A water pump switch is installed in the RV to stop or start the pump.



NOTE

It is normal to hear and even feel a slight vibration when demand for water is low.

A manufacturer's manual is included in your owner's kit to provide details on the water pump and useful instructions for the owner. The location and installation may vary depending on the mode land floor plan.



WARNING

Never leave the water pump running when the drinking water tank is empty or when travelling with your towing vehicle, as this can damage the pump or circuit.



HINTS AND TIPS

When the city water pressure at your campsite is too low, you can fill your tank with drinking water and turn on the water pump to increase the flow.



NOTE

Your water pump must be winterized. See the "Storage" section for details.



MUNICIPAL WATER CONNECTION

The RV is connected to a municipal water system by a drinking water hose from a connector on the RV's exterior.

TO CONNECT TO A MUNICIPAL WATER SYSTEM

1. Turn your water pump switch to the OFF position.
(Since the connection is pressurized, you will not need the water pump.)
2. Take out the drinking water hose.
3. Open the municipal water supply and let the water run for a few seconds or until the water is clean and clear. Close the supply tap and connect the drinking water hose to the municipal water supply.
4. Connect the other end of your water supply hose to your RV.
5. Open the municipal water supply.



WARNING

Do not leave your RV unattended for an extended period with municipal water connected and pressurized. Turn it off when the RV is left unattended. A water pressure regulator is recommended, to respond to a sudden change in pressure from the supply source that might damage your water system.



DISINFECTING THE DRINKING WATER TANK

Even if you trust your municipal water supply, air, heat and moving water quickly dissipate the chlorine remaining in the system. This results in water in an enclosed space that remains stagnant, despite use of a pump to empty it from time to time. This situation can promote the growth of micro-organisms, making the water non-potable by producing a decline in quality and the formation of algae in the water tank and pipes. To avoid this problem, you must maintain a quality drinking water system, properly treat the water stored in your tank, and install a water purification system if necessary.



1. Drinking water tank



HINTS AND TIPS

As a preventive measure, we suggest that you not drink large amounts of water that have circulated in your RV's plumbing.



NOTE

If water becomes contaminated, follow the procedure for emptying your water heater, described in the “Simple water heater drainage (without winterization)” section at the end of this chapter.

ROUTINE MAINTENANCE FOR DISINFECTING THE WATER TANK

1. Empty the water tank and then fill it halfway with drinking water.
2. Mixing 60 ml (2 ounces) of regular chlorine bleach for every 15 gallons of tank capacity in a container filled with a gallon of water.
3. Put this solution into the water tank.
4. Top up the water tank with fresh water to thoroughly mix the solution.
5. Let the chlorinated water run for a minute or two from each tap to ensure that all the lines are now filled with the solution. (Be sure to use the water pump, and not run water directly from the municipal water system.)
6. The hot water tank contains approximately 2.5 gallons of water. Open this tap until all the old water has been replaced with the new solution.
7. Refill the drinking water tank.
8. Let the water rest in the system for three to six hours.
9. Empty the drinking water tank by opening the drain valve on the outside of your RV.
10. Drain the plumbing system completely by opening the tank drain valve and the taps, to accelerate the process.
11. Turn off all the taps and close the drain valve.
12. Fill the tank with drinking water.
13. Open all the taps and run water until the tank is empty, then refill it. (Be sure to use the water pump, not water directly from the municipal system.)
14. If you detect a very strong chlorine smell, you can rinse the tank and taps again.

SHOCK MAINTENANCE ON YOUR WATER TANK

You may have to perform a shock treatment for the first use after an extended period of no use, or if the system has been contaminated. We suggest that you buy a disinfectant specially designed for maintaining clean water tanks in recreational vehicles. Follow the instructions on the disinfectant container.

DRINKING WATER FILTRATION SYSTEM

Many water filters are designed to remove sediment and particles from water, to improve water purity. You can also buy filters that help eliminate odours and improve taste. If you notice that water flow is reduced and pressure has diminished, it is time to replace the filter.

There are also filters that reduce chemicals, bacteria, viruses, and various other organic impurities that can cause illness. These filters are usually installed on the kitchen tap or a filtered water tap used solely for drinking and cooking. If you travel to places where water quality is questionable, you may consider installing a water filtering system.

WATER AT CAMPSITES AND IN NATURE

You should always connect to a water supply of recognized quality. If the water is labelled potable, then it probably has been tested. Many campgrounds draw water from their own wells, which must be tested and approved. You may not be able to determine when the water was last tested, so there is potential for contamination to occur at any time. You should remain vigilant.

INTRODUCTION

Wastewater comes from the sink, shower, and the emptying of plumbing and drains. The wastewater from the sink and shower is emptied into a tank called “grey water”. Toilet waste is emptied into a separate tank called “black water”, contained in the Cassette Toilet.

There is a drain valve for gray water and a container for black water in the cassette toilet; they must be drained according to their capacity or before driving. The gray water tank has a vent outlet on the side of the RV. A flexible sewer hose and fittings are required to connect the gray water tank outlet to the inlet of an approved sewage disposal station or sewage treatment plant.



NOTE

The data of the tank meters are often imprecise since paper residues can stick to the sides and falsify the reading. A good trick to check the black water reservoir capacity is to press down on the toilet lever. A high water level indicates that the maximum capacity of the reservoir is nearing. For the gray water, when the water backs up into the shower or sink, it's a sign that your reservoirs are full and need to be emptied.





Some of our RV's models are equipped with a removable plastic container for black water, commonly called a cassette toilet.



WARNING

If you feel resistance when you try to remove the cassette container, do not force it as this might damage the toilet tank. Check inside that the toilet flush lever is properly closed. Breakage of this mechanism on the cassette toilet is not covered by the warranty.



WASTE WATER DRAINAGE TANKS

The grey water discharge tank offers flexibility and convenience for complete short-term autonomy. The tank is located under the vehicle. A drain valve is located on the driver's side of the Dodge Promaster chassis and a valve is located under the running board.



1. Grey water valve E-Volution (Passenger side)



2. Grey water valve E-Volution (driver side)

Each time the waste water cleanout system is not connected to a sewer, you must install the protective cap to prevent dust or dirt from entering the tube and damaging the cleanout valves.

EMPTYING THE WASTE WATER TANKS

You must always empty the tank into an acceptable sewage connection or cleanout station. To avoid spilling sewage on the ground or pavement, you must always close the waste pipe when it is not connected to the sewer.



NOTE

Ensure that you do not spill sewage on the public roadway as you may be ticketed.

Whenever possible, empty the tanks before travelling. Sewage and waste in holding tanks increases your fuel consumption. Empty the waste water tanks only when they are 75 percent full. If they have not reached this level, fill the tanks with water up to 75 percent before emptying them. The liquid helps rinse the waste out of the sewage piping. Always maintain an acceptable level of water so the black water tank does not dry out when in use.



WARNING

The recovery tanks are closed sewage systems and must be emptied at an approved immersion station. Both the grey and black water must be emptied and rinsed regularly to avoid accumulation of noxious or toxic substances.

Keep the valve closed until the tank is more than 75 percent full, then empty the contents into the sewer. When not connected to a sewer system, keep the protective cap in place on the cleanout pipe connection.



WARNING

Do not use the drinking water hose to rinse a sewage tank. Noxious or toxic matter might come into contact with the drinking water hose and contaminate the drinking water in your supply system, tank and plumbing. Always use a different hose to rinse components in the sewage system.

TO EMPTY YOUR TANKS

1. Turn the protective cap to the left to remove it.
2. Attach the sewage hose to the tankoutlet and rotate to secure it in the close position. On some RVs, the outlet can be turned downward for better flow.
3. Place the other end of the waste water hose in an approved cleanout intake. Place it far enough into the opening. In some cases, an adaptor may be required. Position the hose at a uniform slope into the cleanout intake and avoid sharpbends, which can create a blockage.
4. To empty the grey water tank, connect the hose and open the grey water tank valve to empty the tank. Always empty the grey water last, for better cleaning of the waste water hose. Once the tank is empty, close the grey water trap.
5. Disconnect the sewage hose from the RV and reinsert the cleanout protective cap.
6. Rinse the sewage hose with fresh water and remove it from the cleanout station.
7. Reinsert the cleanout station cap and stow your hose and connection in their proper place.

INTRODUCTION

Good indoor air quality is essential, you must pay close attention to ventilation of your recreational vehicle, keep it clean and avoid unnecessary pollutants. There are common sources of pollution such as mould, pollen, animal hair, cleaning products, secondary smoke, burning of propane gas and other fuels. Inadequate ventilation can increase the level of indoor pollutants and thus fail to supply enough fresh air from outdoors to dilute the polluting emissions indoors. High temperature and humidity can also increase the concentration of some atmospheric pollutants. The people at greatest risk are those with asthma, allergies, chronic lung disease such as bronchitis and emphysema, heart disease, as well as young children and the elderly.

IMPROVING INDOOR AIR QUALITY

To improve indoor air quality in your RV, we recommend the following preventative measures:

1. Increase the intake of fresh air.
 - Open one or more windows.
 - Operate the vent fans if necessary.
2. Mould control
 - Repair any water leak or infiltration.
 - Clean away all visible mould with a solution of one cup of chlorine bleach in one gallon of water.
 - Dry damp surfaces, especially in the kitchen and bathroom.
 - Clean your recreational vehicle often.
 - Store your recreational vehicle in a dry location (if possible).
 - Do not cover it with a tarpaulin not specifically and solely designed for RV storage.
3. Other ways to improve air quality
 - Remove any dust and animal hair.
 - Do not use insecticide inside your RV.
 - Do not smoke inside your RV.
 - When using the stove, turn on the vent fan and open the windows.

EFFECTS OF EXTENDED OCCUPANCY

Your Prolite camper van has been manufactured primarily for recreational use and short-term occupancy. If you expect to occupy your recreational vehicle for an extended period, you may encounter especially humid living conditions as well as condensation.

The relatively small and confined space of a recreational vehicle means that normal living activities will quickly saturate the cabin air with humidity and cause visible humidity, especially in cold weather. This humidity may condense on interior surfaces of the cabin in cold weather. Condensation is the transition of water from its gaseous state (water vapour) to its liquid state. Mould appears when condensation is present for extended periods of time and is extremely difficult to eliminate.

This condition is exacerbated because the walls of a recreational vehicle are much thinner than those of a house. It is estimated that a family of four people may generate up to three gallons of water a day from breathing, cooking, showering, and washing. Unless this water is expelled outdoors by ventilation or condensed by a dehumidifier, the humidity will condense on the inside surface of windows and walls, and may produce frost or ice in cold weather.



NOTE

Your RV is not designed or intended as permanent housing. Use of this product for long-term or permanent occupancy may lead to premature deterioration of the structure and all its components. The resulting damage and deterioration are not covered by the warranty and may void the warranty.

SENSITIVITY TO CHEMICAL PRODUCTS

After purchasing your new recreational vehicle, you may notice a strong chemical odour, especially after it has been stored for an extended period. This is not a manufacturing defect of your recreational vehicle. Some construction products such as particle board, fibreboard and hardwood plywood are manufactured with an adhesive that contains urea formaldehyde. These products off-gas small quantities formaldehyde into the air. Other products containing formaldehyde or urea formaldehyde resins are carpet, curtains, upholstery, fabrics, deodorants, cosmetics and permanent-press fabrics. Formaldehyde is also a by product of combustion and thus is produced by cigarettes and gas appliances. Formaldehyde concentration in indoor air depends on the quantity and off-gassing speed of off-gassing products within the structure, compared with the volume of indoor air and the fresh air ventilation rate. As for other indoor pollutants, ventilation should reduce formaldehyde concentrations.



WARNING

These emissions, in combination with the air, may cause you to suffer irritation of the eyes and respiratory tracts. They can aggravate respiratory or allergic conditions. Ensure that you always have good ventilation in your RV.

CONTROLLING RELATIVE HUMIDITY

Checking and controlling relative humidity in a recreational vehicle is important to minimize the risks and damages linked to humidity. Ideally, relative humidity should be 60 percent or less. In a cold climate, a rate of less than 35 percent is acceptable.



NOTE

High humidity promotes the growth of mould. If optimal growth conditions persist, the mould can grow exponentially in just 24 to 48 hours.

MEASURES AGAINST MOULD

In addition to controlling relative humidity and the methods suggested in the air quality section to control mould, certain measures can be taken to avoid mould problems inside your RV.

1. Before you place anything inside your recreational vehicle, look for signs of mould. Household goods, articles or food may already contain mould.
2. Do not hang damp clothing inside the cabin to dry.
3. Ventilate the kitchen and bathroom by opening the windows. Run the vent fans or air conditioner as appropriate.
4. Clean up spills quickly.
5. Dry damp surfaces and quickly replace any material that cannot be completely dried.
6. Inspect for leaks on a regular basis and repair all leaks quickly.
7. Take note of mouldy odours and visible signs of mould.

**NOTE**

The information provided here is simply a general guide to help you control mould. If you think there is mould in your recreational vehicle, you should consult a qualified expert who can advise you on the appropriate measures for your situation.

CONTROLLING CONDENSATION ON WINDOWS

Minor condensation problems are not uncommon, especially in recreational vehicles used in cold climates. Condensation on windows is observed by the presence of water or accumulation of ice, usually at the bottom of the window.

**NOTE**

To help reduce condensation on windows, use a vent fan and avoid drastic changes in thermostat settings. Be sure to open curtains or blinds during the day to allow air to circulate and reheat the window surface.

**NOTE**

Wipe off damp surfaces, especially your shower after use. Maintain a proper relative humidity rate.

EFFECTS OF USING COMBUSTION EQUIPMENT ON HUMIDITY

Unvented combustion appliances such as a propane stove are a source of humidity in a recreational vehicle. For each gallon of fuel burned, about a gallon of water vapour is evaporated into the air.



NOTE

You should turn on the vent fan when using these appliances in the camper van.

The water vapour and combustion by products must be exhausted outside the RV.

INTRODUCTION

Your safety and that of other occupants is the top priority for your new recreational vehicle. This includes the safety of all passengers, efficient use of your RV, strict maintenance and safe operation. Your RV complies with the applicable codes and regulations as well as the safety standards in force at the time it was manufactured. It is important to understand your RV and its various safety features such as alarms and the location of emergency exits. With the proper precautions and good planning, you can ensure risk-free travel. We suggest that you share this information with the people accompanying you on your travels.

Here are the key facts that you and your passengers must know about your RV.

- Understand and recognize the various alarms (CO, LPG, smoke), what they are and what they mean.
- What to do when an alarm sounds.
- Where and how to turn off all gas appliances (water heater, stove, heater, refrigerator, etc.).
- How to unlock the entrance door from the inside.
- What to do in case of fire and how to use the extinguisher.
- Have a predetermined meeting place outside the trailer in an emergency.
- Have an evacuation plan for pets.

This list is only an example and must not be used as an official source when developing your safety measures.



DANGER

It is very important that you do not leave your vehicle or forced air heater running for a long or short period of time depending on the surrounding conditions. Fumes from the van exhaust and heater exhaust could enter the vehicle and emit high concentrations of carbon monoxide that could be harmful or even deadly. Make sure you always have good ventilation in your RV.

YOUR OCCUPANT'S SAFETY

Ensure that all occupants of your recreational vehicle know the safety rules.



DANGER

It is strictly forbidden by law to have more passengers on board the van while traveling than the number of seat belts available.



WARNING

The activities of passengers, especially young children, are hard to monitor. Never leave children in your trailer without supervision. The electrical equipment and gas appliances can cause a fire or extremely dangerous situation.

CARBON MONOXIDE DETECTOR

All Prolite RVs are equipped with a carbon monoxide (CO) and propane gas detector located near the floor. Your information kit includes a manual from the manufacturer of this detector that provides more details on its operation and the applicable procedures. If the alarm sounds, this indicates the presence of carbon monoxide or a propane gas leak in the air. An indicator lamp specifies the type of gas. This does not mean a false alarm, but a warning of a potential danger of carbon monoxide or propane gas.



NOTE

If your RV is stored in a covered area and not hooked up to a 120 volts power source, the carbon monoxide/propane detector will discharge your battery in 2 weeks time, consequently, it would be important to disconnect a battery pole so as not to trigger the audible signal and unnecessarily discharge the battery.

SAFETY PRECAUTIONS AND ADVICE TO PREVENT FIRES

Your recreational vehicle is a complex product made of many materials, some of which are inflammable. You must remain vigilant to minimize the dangers and risks of fire. It is very important that all trailer occupants know the procedure in case of fire, as well as the location and use of extinguishers. Do not obstruct emergency exits. Ensure that all passengers in your RV know the location of all exits. Do not try to extinguish a fire with water, which can cause some fires to spread and also raises the possibility of electrocution. Get people out of the trailer and assess whether you should try to extinguish the fire. If the fire is major or chemical, waste no time. Get out of the vehicle immediately and call the firefighters.

The following simple fire prevention rules can help you eliminate the risks of fire.

1. Never store inflammable liquids in the recreational vehicle.
2. Never leave cooking unattended.
3. Never smoke inside the RV.
4. Never let children play with electrical or propane equipment.
5. Never use open flame in place of a flashlight.
6. Have defective or damaged electrical components and wiring repaired immediately.
7. Never overload electrical circuits.
8. Locate any propane leak and repair it immediately.
9. Keep cooking surfaces clean and free of debris.
10. Never allow garbage and trash to accumulate.
11. Never clean anything with an inflammable substance.
12. Spray fabrics once a year with a fire retardant.



WARNING

Some upholstered items, such as mattresses, rugs, and insulation, are made with urethane foam. This foam is highly inflammable, burns fast, releases a large amount of heat, and consumes oxygen very fast. Lack of oxygen poses a danger of suffocation for RV occupants. The gases released by combustion of this foam are extremely dangerous and can be incapacitating, if not fatal, if inhaled in sufficient quantity.

EXTINGUISHER

There are three simple steps for using a fire extinguisher.

1. Release the retaining strap and lift the extinguisher out of its base.
2. Hold the extinguisher upright and pull out the pin.
3. Stand seven feet away from the fire and point the nozzle at the base of the fire.
4. Squeeze the lever and sweep the spray from side to side.



NOTE

Check the expiration date of your extinguisher, change it if necessary.

SMOKE DETECTOR

A battery-operated smoke detector is installed in your RV. You must read the detailed operating and maintenance instructions for this smoke detector, which are included in the owner's information kit you were given by Prolite.



WARNING

Never disable the smoke detector, even if it sounds a false alarm due to cooking or another problem. Never disconnect or remove the battery from the detector. A detector without batteries could place you and your occupants in danger.



NOTE

Replace the battery at least once a year, preferably at the start of the season. Also check the expiry date indicated on the detector. You must change the battery if the audio signals become weak. If the smoke detector does not work with a new battery, replace it with a new detector.



INSTALLATION OF THE CABINE CAMPER

Here are few tips once your trailer is perfectly level and safety installed.

- If you must connect to a water supply, insert the hose into the connector.
- Make sure that your inverter is not in the “on” position when you last left.
- Adjust your refrigerator to the desired setting.

Operate the equipment and appliances as you wish.



WARNING

Also ensure that you position your trailer on a level site. Levelling is essential to ensure proper operation of your appliances, especially the refrigerator.

BEFORE LEAVING

Once your RV is loaded, you can use a checklist to remind yourself of the things you need to do to leave with peace of mind.

CHECK INSIDE THE CABIN CAMPER

- Make sure the inverter controller is in the “OFF” position.
- Cabinets, doors, refrigerator door and drawers are securely closed.
- Locks and sliding doors are in place.
- Raise and secure blinds to prevent them from swinging and cause damage.
- Make sure the emergency escape window is secure.
- Close and lock all windows and roof vents.
- Secure folding beds, couches and tables.
- Secure removable items that could be moved during transport and cause damage.
- Secure all loose parts, removable furniture, small appliances, televisions, and other accessories.
- Tuck in antennas, if applicable.
- Close all faucets and turn off all appliances.
- Turn off the water pump.

OUTDOOR CHECK

- Retract and lock the awning.
- Disconnect all electrical, water and wastewater connections.
- Store all cables and hoses.
- Close and lock all exterior compartment doors.
- Remove all obstructions from under the RV
- Pull in and store all the blocks used to stabilize and level your vehicle.
- Check tire pressure and check wheel nuts.
- Make sure windows and dome are closed.
- Close and lock the sliding and swinging doors of the RV

INTRODUCTION

At times when your cabin camper is not in use, you must take precautions to ensure that sources of humidity are controlled and measures have been implemented to prevent insects, rodents or other pests from entering your unit and causing serious damage. Ideally, you should store your RV in a facility with indoor storage.

STORAGE TIPS

EXTERIOR OF THE RV



CAUTION

Covering the entire RV is not recommended as this creates humidity due to poor air circulation around the trailer. If you do this, be sure you use tarpaulins specially designed for storing recreational vehicles.



NOTE

Rodents do not like the smell of fabric softener so place sheets in various locations, especially where rodents are likely to enter (compartment door, around motorized extensions, in storage spaces, etc.).

INTERIOR OF THE RV

Close and lock all the doors and windows. Protect the roof vents with winter-resistant boxes or roof vent protectors.



WARNING

Do not use mothballs inside your trailer. Their smell will remain for months after you open up the RV in spring.

REFRIGERATOR

To reduce the chances of mould developing, remove all food from the refrigerator and leave the door slightly open. You can place a small open box of baking soda inside the refrigerator as well as absorbent paper or a small container of humidity absorbent while the trailer is in storage.

SMOKE DETECTOR

Remove the batteries.

ELECTRICAL SYSTEM

Open all breakers in the converter panel or disconnect your trailer from the 120-volt supply.

LITHIUM BATTERY

Disconnect the battery and store it in a heated place, on a piece of wood or other material to avoid direct contact with the ground. Close the hole under your battery box with steel wool. Add weight or fabric tape such as duct tape to prevent rodents from entering through this hole.

**NOTE**

At the beginning of the season, you must re-program the inverter. For owners of 100,250 or 300 amp Lithium batteries, you must modify the settings of the inverter in the control panel of the inverter.

Go to Unit Set up

Go to 5. Battery type and select custom adjustment

Go to 6. Charge rate and select 90%

Then go to 7. Final charge and select float stage.

This will give you the optimum use of your Lithium battery.

**NOTE**

A battery in direct contact with the ground will quickly lose its charge and this could reduce its service life. Recharge the battery a few times during the winter with a battery charger.

**HINTS AND TIPS**

We recommend that you buy a smart battery charger, which you can leave connected to your battery. It will charge the battery automatically as required.

WINTERIZING THE WATER SYSTEM

You absolutely must protect your plumbing system from freezing in cold weather. Damage from foul weather is not covered by Prolite's warranties.



HINTS AND TIPS

Many recreational vehicle owners have tried to winterize their RV themselves. At some point, most have had to deal with a major problem. They were not equipped to properly blow out the plumbing pipes with the correct pressure, or water remained in the water heater. The damage did not appear until the spring thaw, and then it was already too late. The cost of winterization is minimal compared with the cost of potential damage to your vehicle. Leave this work to a professional, you will save money in the long term and enjoy peace of mind.

When storing your recreational vehicle during freezing weather and in an unheated environment, the water system must be winterized. Water system components may be damaged if not properly winterized.



NOTE

Before using the compressed air method, you will need a special adaptor called a burst plug, which allows compressed air to be fed into the municipal water connection. This small, affordable adaptor is available from most RV supplies retailers.

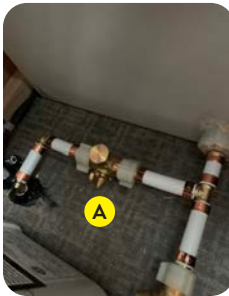
WINTERIZING WITH COMPRESSED AIR

(WITH DERIVATION ASSEMBLY INSTALLED)

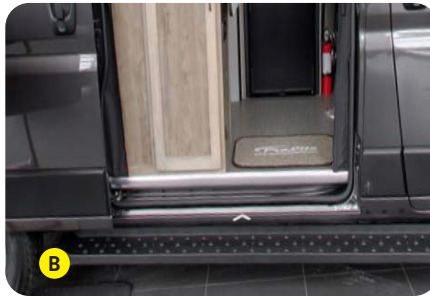
Buy two gallons of nontoxic RV antifreeze.

1

Empty the fresh water tank and waste grey water holding tanks.
Leave the drain valves on these systems open.



A Drinking water drainage valve



B E-volution grey water drainage valve E-VVOLUTION



C E-volution grey water drainage valve E-VOLUTION MS

2

If you have a water filtration system, remove the filter from the assembly and discard it. (You will need to buy a new one and install it when opening your unit for the season.)

3

Connect an air hose with an adaptor (burst plug) for the municipal water connection.

4

Set the pressure at 30 lb of air and blow out the plumbing by simultaneously opening all the taps, including the shower head, outdoor shower, toilet flush lever and any other types of water lines. Let these run until no water is seen coming out of the accessories and lines.

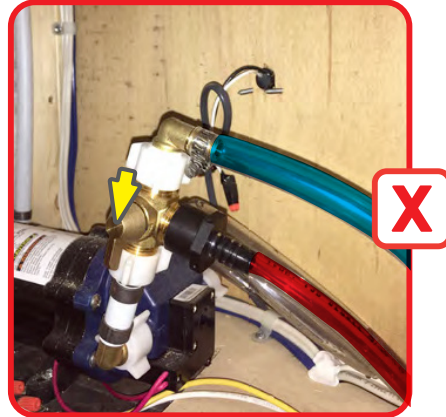
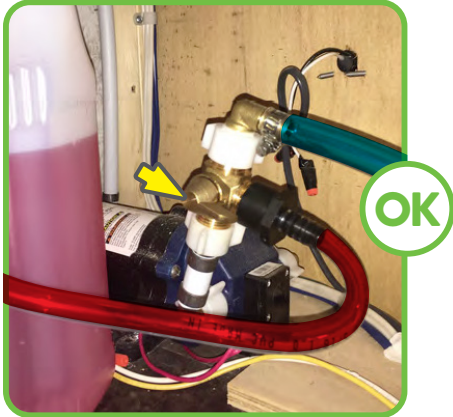


WARNING

Never use automotive antifreeze in your drinking water system, as it is toxic and cannot be used in water systems for human consumption.

5

Connect the antifreeze to the cabin camper van's water pump, start the pump and let all the taps and outdoor shower (if applicable) run until antifreeze comes out of each one. Turn off the water pump.

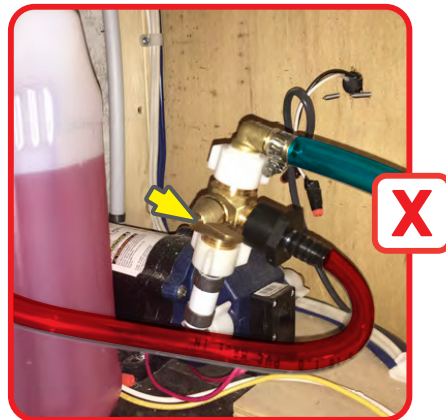


6

Pour one cup of antifreeze into the sink drain.

7

Reset the water pump valve to the normal position.



8

Reclose the waste water traps.



NOTE

Do not use the plumbing system after winterization.
The system must always be de-winterized before it can be used again.

PREPARING THE CASSETTE TOILET FOR WINTER

To prepare your Cassette Toilet with a water tank, you must:

1

Empty the black water cassette.

2

Flush the toilet and run 1 cup of antifreeze.



WINTERIZATION OF THE ELECTRIC WATER HEATER

Once you have blown out the water (see compressed air winterization procedure on page 171), open the pressure valve on the water heater and allow the water to drain completely while allowing the compressed air to flow at about 30 lbs. Wait until all the water is out before turning off the compressed air and closing the pressure valve. Then follow steps 5 to 8 of the compressed air winterization procedure.



NOTE

For RVs models with electric water heaters, provide an additional 2.5 gallons of antifreeze.



NOTE

Water from the pressure valve of the electric water heater is leaking out from under your vehicle.

DE-WINTERIZATION OF THE ELECTRIC WATER HEATER

1

Connect to the city's water system.

2

Open the pressure valve on the electric water heater. Let the water run until the water loses its pinkish tint and runs clear at the outlet. This may take a few minutes. The water will flow out from under your vehicle.

3

Close the pressure valve on your electric water heater.

4

One faucet at a time, open each cold water faucet and each fixture (including the outdoor shower, if applicable). Let the water run until it loses its pinkish tint and runs clear.

5

Fill up the tank with fresh water.

6

Turn on the pump, run the water for a few seconds to remove any antifreeze that may be in the pump.

OPENING OF YOUR RV FOR THE SEASON (DE-WINTERIZATION)



NOTE

Do not attempt to use the plumbing system after preparing it for winter. Repipe, flush and disinfect the water system before using it.

1

Connect to the city's water system.

2

Open the pressure valve of the electric water heater and let the water run until the water loses its pinkish tint and is clear, this may take a few minutes.

3

Close the pressure valve of your electric water heater.

4

One faucet at a time, open each cold water faucet and each fixture (including the outdoor shower if applicable). Close each faucet before moving on to the next. Let the water run until it loses its pink tint and is clear.

5

Fill up the tank with fresh water.

6

Turn on the pump, run the water for a few seconds to remove any antifreeze that may be in the pump.

7

Drain the grey water and clean water tanks.

8

If a water filtration system has been installed, reinstall a new filter and refill the water system.

INTRODUCTION

To help you resolve certain problems with your cabin camper, this troubleshooting section provides several tips for finding quick solutions to correct the problems you may encounter. To learn about other troubleshooting solutions for certain equipment or appliances in your cabin, read the owner's manuals for these accessories included in your starter kit. For resolution of certain problems with the van itself, consult the vehicle manufacturer's owner's manual.

ELECTRICAL SYSTEM

THE CAMPER VAN HAS NO POWER

- Check the 120 volt breakers on your site's exterior pole, converter and the main electrical entrance to your camper cabin; In the event of a disjunction, reset it to "On."
- Check the converter fuses and replace them if necessary.
- If the problem persists, have a qualified person or an RV specialist check your electrical system.

FLAT BATTERY. SEE THE VIDEO

- If the battery is completely flat, use a battery charger or the normal/boost switch to wake up the inverter, which will take over the charging of the battery.

THE GFCI OUTLET TRIPS REGULARLY.

- Connect to an electrical outlet without GFCI (ground fault circuit interrupter). The great energy demand of the inverter/charger may cause the GFCI outlet to trip.
- If the problem persists, have the electrical system checked by a qualified person or RV specialist.

SOME ELECTRICAL APPLIANCES, SUCH AS MICROWAVE OVENS, AIR CONDITIONERS AND COUNTER OUTLETS ARE NOT WORKING, BUT YOUR LIGHTS, WATER PUMP AND HEATING ARE WORKING.

- Check the 120-volt supply of your site's electrical pole and circuit breaker and reset them to "ON" in the event of a disjunction.
- Check the circuit breaker of your main electrical entrance of your RV, reset it to "ON" in the event of a disjunction.
- Check the converter circuit breakers, reset them to "ON" in case of tripping.
- Check the breakers of your inverter, reset them in case of tripping.
- If the problem persists, contact a dealer or a qualified technician.

THE EXTERIOR 120-VOLT OUTLETS HAVE NO POWER.

- Ensure that you are connected to the 120-volt current for your site. If you are camping without service, turn on the inverter's panel by turning it to the "ON" position.
- Check the converter circuit breakers; reset them to "ON" in the event of a disjunction.
- Check that the GFCI internal differential of your cabin camper is not disjuncted; reset it as needed.
- If the problem persists, contact a dealer or a qualified technician.

YOUR RV'S INDOOR GFCI OUTLET HAS NO POWER.

- Ensure that you are connected to the 120-volt current for your site. If you are camping without service, turn on the inverter's panel by turning it to the "ON" position.
- Check that the indoor GFCI outlet in your trailer has not tripped. Reset it as required.
- Check the converter breakers and if they have tripped, reset them to "On."
- If the problem persists, contact a dealer or a qualified technician.

THE RV'S REGULAR INDOOR 120-VOLT OUTLETS HAVE NO POWER.

- Ensure that you are connected to the 120-volt current for your site. If you are camping without service, turn on the inverter's panel by turning it to the "ON" position.
- Check the converter breakers and if they have tripped, reset them to "On."
- Check that the indoor GFCI outlet in your camper van has not tripped. Reset it as required.
- If the problem persists, contact a dealer or a qualified technician.

YOUR 12-VOLT AND/OR USB OUTLET HAS NO POWER.

- Ensure that you are connected to the 120-volt current of your camping site or that your camper van's battery is fully charged. If you are not on a site with electricity, charge your battery as required.
- Check behind the charging centre in case a wire has become disconnected. Reconnect as required.
- Check the fuses in your converter and change them as required.
- If the problem persists, contact a dealer or qualified technician.

AT A CAMPSITE WITHOUT ELECTRICITY, YOUR 12-VOLT APPLIANCES ARE NOT WORKING (E.G. LIGHTS, WATER PUMP, HEATING, REFRIGERATOR, ETC.).

- Check the fuses in your converter and change them as required.
- Check the 30-amp fuse for your camper van's battery and change it as required.
- Check that your battery is charged and in good condition. Charge it as required.
- If the problem persists, contact a dealer or qualified technician.

AT A CAMPSITE WITHOUT ELECTRICITY, YOUR CAMPER VAN'S BATTERY LOSES ITS CHARGE QUICKLY.

- Check that your 12-volt current consumption has been calculated and limited based on your battery's capacity to preserve your energy. Reduce your 12-volt consumption as required.
- Ensure that a 12-volt accessory is not running unnecessarily.
(For instance a light in a storage space, the water pump, electronic appliances connected, etc.)
- Check that your inverter is in the "OFF" position and that it is not powered up unnecessarily.
- Check that the emergency brake pin has not been pulled out (if applicable).
Reinsert the pin into the emergency brake.
- Check that your battery is charged and in good condition.
- If the problem persists, contact a dealer or qualified technician.

THE BATTERY IS NOT CHARGING WHEN YOU ARE DRIVING

- Check the 250 amp fuse near the truck battery, usually under the driver's feet.
- Check the fuses on your converter and change them if necessary.
- Check the 30 amp fuse at your RV battery and change it if necessary.
- If the problem persists, contact a dealer or a qualified technician.

YOU CAN HEAR YOUR CONVERTER'S AND / OR INVERTER'S FAN.

- This is normal, the converter and / or inverter needs to be cooled in hot weather.
- Make sure there is nothing in the front of the converter and / or inverter to allow proper ventilation.
- The inverter fan may make noise when converting the 12v to 120 volts or when recharging your battery.
- If the converter and / or inverter fan is running continuously, contact a qualified dealer or service technician.

YOU DETECT THE SMELL OF GAS.**POTENTIAL GAS LEAKS AROUND YOUR RV**

- Extinguish all flame if you are using propane near your trailer.
- Close the propane tank valve (if applicable).
- Check that people around you do not use propane.

**DANGER**

Never use a match or flame to check for leaks.
Failure to heed this warning can cause a fire
or explosion, resulting in serious injury or even
death.

**THE PROPANE AND CARBON MONOXIDE GAS DETECTOR
SOUNDS AT INTERVALS WITH NO SMELL OF PROPANE.**

- The charge may be low in the cabin camper's battery.
Recharge it if necessary.
- Ensure there are no objects near the detector emitting strong odours.
- Ensure that cleaning products with strong emissions have not been used recently inside the trailer.
- Press the "Reset" button on the detector.
- The propane detector may be defective. Change it as required.
- Read the detector manufacturer's manual.
- If the problem persists, consult an RV specialist.

THE PROPANE AND CARBON MONOXIDE GAS DETECTOR SOUNDS CONSTANTLY.

POTENTIAL GAS LEAKS AROUND YOUR RV

- Extinguish all flame if you are using propane near your RV.
- Close the propane tank valve that you use (if applicable).
- Check that people around you do not use propane.
- The detector may be sounding due to a high concentration of carbon monoxide. Ventilate your RV and get out immediately.
- Once the vehicle has been ventilated, try to find the source of carbon monoxide (e.g. generator emitting exhaust near your trailer, idling car engine nearby, solvent product with strong odour, exhaust ducts from gas appliances may be obstructed, etc.).
- Reset the propane gas detector, following the manufacturer's instructions.
- Read the detector manufacturer's manual.
- If the problem persists, consult an RV specialist.



DANGER

It is very important that you do not leave your vehicle or forced air heater running for a long or short period of time depending on the surrounding conditions. Fumes from the van exhaust and heater exhaust could enter the vehicle and emit high concentrations of carbon monoxide that could be harmful or even deadly. Make sure you always have good ventilation in your RV.

INVERTER

THE INVERTER DOES NOT TURN ON WHEN I PUT IT IN THE “ON” POSITION ON THE CONTROLLER PANEL.

- Check the status of your battery by reading the controller of your solar panels.
- The inverter has gone into sleep mode if you have reached 25% or 10.5 volts of your battery capacity.
- Charge your battery;
 - by connecting to a 120 volt source.
 - by charging your solar panels.
 - by starting the motor of your vehicle
- If your reading indicates that your battery is more than 25% or 10.5 volts check that the inverter's circuit breakers are not tripped, Reset them as required.
- Check that the 200/300 amperes main fuse is not blown, replace it if required.

THE INVERTER TURNS ON WHEN I UNPLUG IT FROM THE 120V SOURCE.

- It is normal for the inverter to go to the “ON” position when it was already in the “ON” position before being connected to the 120v source. It keeps in memory its last function. Return it to the “OFF” position.

THE INVERTER EMITS AN AUDIBLE SIGNAL (BEEP).

- The inverter has gone into sleep mode if you have reached 25% or 10,5 volts of your battery capacity.
- Charge your battery;
 - by connecting to a 120 volt source.
 - by charging your solar panels.
 - by starting the motor of your motorhome
- If the problem persists, consult with a specialist.

SOLAR PANELS

THE SOLAR PANELS DO NOT CHARGE.

- Check the fuse of the solar panels to the battery, replace it if necessary.
- Clean your panels of debris or equipment according to the manufacturer's instructions.
- Make sure your vehicle is not installed in a covered area (for example under a temporary carport).
- If the problem persists, consult a specialist.

THE READING OF THE SOLAR PANEL CONTROLLER IS NOT ACCURATE.

- Make sure you are not plugged into an external source; either a 120 volt outlet or your vehicle's engine is not running. If this is the case, unplug the external source or turn off the engine.
- If the problem persists, consult a specialist.

IT IS IMPOSSIBLE TO READ THE SOLAR PANEL CONTROLLER DATA.

- Check the fuse of the solar panels to the camper van's battery and replace it if necessary.
- If the problem persists, consult a specialist.

REFRIGERATOR**SITE WITHOUT ELECTRICITY**

- Make sure your refrigerator is not closed or at very low temperatures.
- Check your battery's charge and recharge it as required.
- Check the fuses in your converter and change them as required.
- Check the 30-amp converter fuse to your camper van's battery and change it as required.

SITE WITH ELECTRICITY

- Ensure that you are connected to 120-volt current from your site.
- Check the circuit breaker of the main electrical entrance of your camper van, put it back in "ON" in case of disjunction
- Check the breakers in the converter and reset them to "On" if they have tripped.
- Check the fuses in your converter and change them as required.
- Check the converter fuse to your camper van's battery and change it as required.
- If the problem persists, consult an RV specialist.

THE LAMPS ARE OPERATING BUT THERE IS NO COOLING.

- Check that the temperature control knob inside the refrigerator is not at the lowest temperature.
- Ensure that your vehicle is level, and level it as required.
- Allow enough time for cooling (two to four hours).
- If the problem persists, consult an RV specialist.



1. Refrigerator temperature adjustment knob

ROOF AIR CONDITIONER

THE AIR CONDITIONER DOES NOT WORK.

- Make sure you are connected to a 120 volts power source. Connect to one if you're not.
- Check the circuit breaker at the main entrance of your camper van switch it back to «ON» if it has tripped.
- Check the converter circuit breaker, switch it back to «ON» if it has tripped.
- Check the circuit breakers at your camp site, switch them back to «ON» if it has tripped.
- If the problem persists, consult an RV specialist.



CAUTION

The inverter should never be used for large electrical appliances such as air conditioning. The battery would discharge in a few minutes.

THE AIR CONDITIONER IS OPERATING BUT IS NOT MAINTAINING THE TEMPERATURE SET.

- The control setting may be too low or too high.
- Open all the air conditioner's ventilation outlets to limit the risk of it freezing.
- When in use, the air conditioner may stop cooling. Turn it off to allow it to thaw.
- Ensure that the filter is clean; clean or change it as required.
- If the problem persists, consult an RV specialist.



HINTS AND TIPS

On very hot days, close the windows, blinds, and doors. Avoid traffic in and out of the RV to maintain the cool indoor temperature. Avoid using appliances that generate heat..



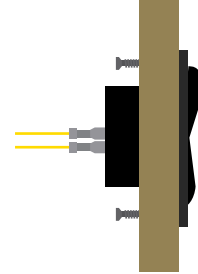
WARNING

WARNING Working with electrical appliances can be extremely dangerous. Always use the services of a certified professional to perform all repairs on your air conditioner.

WATER SYSTEM

THE WATER PUMP DOES NOT WORK.

- Check that the water pump switch is in the “On” position.
- Open a cold water tap to relieve pressure that may have accumulated in the pump the last time it ran.
- Check the fuse in the converter.
- Check for any object in the compartment that may have loosened a wire from the water pump .
- Check whether a wire has come loose behind the pump switch.
- If the problem persists, consult an RV specialist.

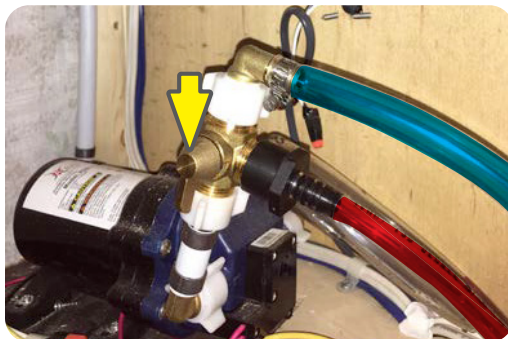


NOTE

Note that the water pump turns on when pressure drops and turns off once the pressure has been restored.

THE PUMP IS RUNNING BUT NOT SUPPLYING WATER.

- Check that there is enough water in your drinking water tank.
- Ensure that the water pump is in normal mode.
- Ensure that some object has not kinked the hose between the pump and the tank.
- At low temperatures, ensure that the plumbing has not frozen.
- If the problem persists, consult an RV specialist.



NOTE

The pump may be obstructed by some debris. Consult a specialist to clean it as required.

THE WATER PUMP DOES NOT SHUT OFF EVEN WHEN THE TAP IS CLOSED.

- Check that there is enough water in your drinking water tank.
- Ensure that the water pump is in normal mode.
- Ensure that some object has not kinked the hose between the pump and the tank.
- Check for damp areas around plumbing fixtures (possible water leak).
- Have a qualified technician check your pump.

WATER FLOW FROM A TAP IS LOW.

- Check whether the tap's filter is obstructed and clean it as required.
- If your tap has a flow controller, check whether it has been activated.

THE WATER PUMP STARTS IN DELAYED ALTERNATION WHEN YOU ARE CREATING NO DEMAND FOR WATER.

- Check around and in all plumbing fixtures for a possible slow leak (tap, shower, outdoor shower, toilet, connection to water heater, etc.).
- If the problem persists, consult a specialist.

**NOTE**

The pump may cycle on and off in alternation when you create a small demand for water (e.g. brushing teeth). This is normal because it is trying to maintain constant pressure. If the pump cycles on and off when you are creating no demand, check for a water leak.

CAMPER VAN'S LIGHTS

HOW TO PAIR OR REPROGRAM A WIRELESS WALL SWITCH

SEE PDF



YOUR CAMPER VAN'S INTERIOR OR EXTERIOR LIGHTS ARE DIM OR DO NIGHT LIGHT (EXCEPT RUNNING LIGHTS).

- Check that you have 12-volt or 120-volt power, as appropriate.
 - Check the breakers for your cabin camper and the site.
 - Check the converter fuses.
 - Check the camper van's battery fuse.
 - Check that your light dimmer is operating correctly.
- Change the remote control battery as required.



NOTE

The remote control may be subject to condensation in cold and/or humid weather. In that case, remove the remote control from its slip case and dry both it and the battery.

ELECTRIC WATER HEATER

THE WATER HEATER DOES NOT WORK

- Make sure you have water in your water heater.
- Make sure the heater/water heater switch is in the water heater position.
- Check that the temperature control setting on the water heater is between is between half and full.
- Check all breakers on the camper van or power supply at your site.
- Make sure you have 120 volt power either from the outside outlet of your site or your site or from your inverter.

THE WATER TEMPERATURE IS NOT WARM ENOUGH.

- Make sure it has been at least 20 minutes since you turned on the water heater so that it can complete its heating cycle.
- Make sure that the temperature control on your water heater is set at the halfway to maximum setting.



1. Temperature control

FORCED AIR HEATING

THE HEATER DOES NOT WORK

- Check fuse in converter panel
- Check thermostat settings
- Make sure you have enough fuel in the van
- If the problem persists, consult a specialist

INTEGRATED ELECTRIC HEATER

THE HEATER DOES NOT WORK

- Make sure you have turned the heater switch to the heating position.
- Set the heater temperature warmer than the ambient temperature.
- Make sure you have 120 volt AC power either by plugging your RV into a 120 volt outlet or by turning on the inverter.
- Check the circuit breakers at your inverter panel or at the 120 volt outlet at your site.

PORTABLE ELECTRIC HEATER

THE HEATER DOES NOT WORK

- Make sure you have 120 volt power at the outlet where your heater is plugged in by either plugging your RV into a 120 volt outlet or by turning on the inverter.
- Be sure to turn the switch on your heater to ON.
- Be sure to adjust the temperature on the unit's built-in thermostat to a level warmer than the ambient temperature.
- Make sure the heater is placed on a flat and stable surface (e.g. floor).

INTRODUCTION

Your Prolite RV will provide you with many years of satisfaction. Follow a maintenance plan, which will give you an excellent return on your investment and help you extend the life of your camper van. This section gives you a general overview of the maintenance necessary for proper operation of your RV. Certain maintenance tips are represented throughout the manual for all your RV's appliances and equipment.

Detailed maintenance services and information can be found in the owner's manuals provided for the various equipment or accessories installed in the cabin. You can perform most of this maintenance yourself. If you prefer not to do this, your dealer will be pleased to provide this service. Please refer to the manuals included in your owner's kit; they take precedence over our general advice. If service is required for any equipment or accessory in your RV, follow the instructions given. Each manufacturer has its own sales and service outlets to handle your requests.

If a problem persists, contact your Prolite dealer.

TABLE OF REQUIRED MAINTENANCE

The table below provides Prolite RV's owners with a calendar indicating the minimum inspection or maintenance procedures to be performed under normal use to keep their trailer in good condition for many years.



NOTE

Always keep evidence of your preventive maintenance as well as work done on your trailer. This will prove useful when reselling your trailer or if work must be performed, especially that covered under warranty.

TABLE OF REQUIRED MAINTENANCE

CABIN CAMPER E-VOLUTION ONLY

CALENDAR - BY MONTH

T 1 3 6 12 S

PROCEDURES AND MAINTENANCE

ROOF

- Inspect joints for openings or cracks and apply sealant as required.
- Clean the roof.
- Clean and lubricate the roof vent mechanisms with silicone spray.

EXTERIOR WALLS

- Inspect joints for openings or cracks and apply sealant as required.
- Clean with warm water and mild detergent or wax-based soap for RVs.
- Apply non-abrasive wax for fiberglass.

AWNINGS

- Clean awnings with water and awning detergent.
- Clean and lubricate mechanisms with silicone spray.

EQUIPMENT AND ACCESSORIES

- Check operation based on manufacturers' manuals.
- Inspect for signs of burns at gas outlets. Repair and clean as required.
- Complete cleaning.

SAFETY EQUIPMENT

- Test the propane gas and carbon monoxide detector.
- Replace the smoke detector battery.
- Check the fire extinguisher.

PLUMBING SYSTEM

- Inspect hoses and connectors for potential leaks and tighten as required.
- Lubricate waste water cleanout valves.
- Inspect and clean the water pump filter (if applicable).
- Inspect the drinking water system and clean it as required.
- Disinfect the drinking water system.

The letter "T" indicates each trip.

The letter "S" indicates before and after each storage/winter storage period.

CALENDAR - BY MONTH

T	1	3	6	12	S
•				•	•
			•	•	
			•	•	
			•	•	

PROCEDURES AND MAINTENANCE

ELECTRICAL SYSTEM

- Check the condition of the batteries.
- Test the grounding differential.
- Check the inverter according to the manufacturer's instructions
- Check the condition of the solar panels according to the manufacturer's instructions



NOTE

See manufacturer's manual for maintenance mechanics, chassis, axles, suspension brakes, wheels, tires, doors, etc.

The letter "T" indicates each trip.
The letter "S" indicates before and after each storage/winter storage period.

ONLINE APPLIANCE INSTRUCTION MANUALS

Many of our suppliers make their instruction manuals available online.
Consult the parts and service section on our website.

[PARTS AND SERVICES](#)



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NFPA 1192

