

SPARTAN

2027 MODEL YEAR

OWNER'S MANUAL



BUILT FOR
A WIDER WORLD



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IMPORTANT SAFETY AND RESPONSIBILITY NOTICE

The Spartan may be used with third-party accessories and equipment, including rooftop tents, awnings and other recreational equipment. The owner is responsible for selecting equipment that is compatible with the Spartan and for ensuring that all third-party equipment is properly installed, maintained and operated in accordance with the applicable manufacturer's instructions.

Third-party equipment may present risks including falls, personal injury, property damage and other hazards. **Always follow the manufacturer's instructions, warnings, load limits and safety requirements for any third-party equipment installed or used with the Spartan.**

To the extent permitted by applicable law, Purple Line LLC is not responsible for injury, death or property damage arising from the improper selection, installation, maintenance or use of third-party equipment, or from failure to follow the applicable manufacturer's instructions.

This notice does not exclude or limit any liability that cannot lawfully be excluded or limited under applicable law.

01

ABOUT YOUR SPARTAN

Congratulations on your Spartan camper. The Spartan is a lightweight, go-anywhere trailer designed for travel beyond the pavement. It combines a rugged off-road chassis with a slide-out kitchen, onboard water, off-grid electrical capability and flexible rooftop-tent compatibility.

Your Spartan is designed around the idea that the trailer provides the platform, storage and campsite systems while you choose the rooftop tent that best suits your needs. Because rooftop tents can vary by manufacturer and model, the tent supplied or installed on your Spartan may differ from another owner's setup.

NOTE: Always read this manual before operating your Spartan. Keep the manuals supplied with your rooftop tent and appliances with the camper and follow those manufacturers' instructions whenever they apply.

Product specifications and equipment may change as part of our ongoing product-improvement process. The information in this manual is intended to describe the Spartan configuration at the time of publication. Actual product may vary from photographs or descriptions shown in this manual.

If you are traveling and experience a problem, contact your selling dealership before arranging repairs through an independent service provider. Retain invoices and service documentation for warranty purposes. Appliance-specific questions should be directed to the applicable appliance manufacturer when appropriate.



02

SPECIFICATIONS

DRY WEIGHT	GVWR	TONGUE WEIGHT
2,130 LB	4,410 LB	263 LB
FRESH WATER	LITHIUM BATTERY	TIRE
20 GAL	300 AH	265/75R16
TRAILER LENGTH	TRAILER WIDTH	TRAILER HEIGHT (WITHOUT ROOFTOP TENT)
156.14"	71.16"	83.27"

EQUIPMENT AND SYSTEM SPECIFICATIONS

01

CHASSIS & RUNNING GEAR

SPECIFICATION	DETAIL
Chassis	4 in. galvanized steel chassis
Suspension	Independent trailing-arm off-road suspension
Hitch	Cruisemaster DO35 articulating off-road hitch
Tongue Jack	ARK Extreme off-road tongue jack
Tires	R16 Kenda off-road tires; 265/75R16
Recommended Cold Tire Pressure	80 PSI
Brakes	Electric drum brakes with e-brake & breakaway

02

CAMPING & KITCHEN

SPECIFICATION	DETAIL
Propane	20 lb bottle storage
Kitchen	Stainless-steel slide-out kitchen
Cooktop	Dometic 2-burner drop-in gas cooktop
Refrigerator	12V refrigerator subject to change

03

POWER

SPECIFICATION	DETAIL
Shore Power	30A mains inlet
120V Power	2 × 120V outlets
Solar	Zamp solar port; external panel/controller required
12v Battery	1 x 300ah Lithium LifePo4, 12v power outlets

NOTE

Specifications are subject to change without notice. Equipment brands and models may vary by production run.

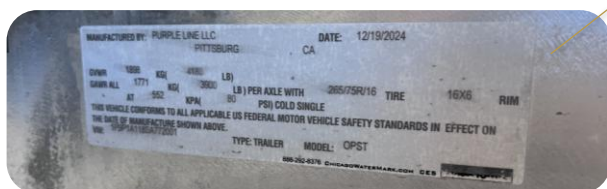
03

VIN & TRAILER IDENTIFICATION

Every Spartan has a Vehicle Identification Number (VIN). Record the VIN in the owner-information section of this manual and keep it available for registration, insurance, service and warranty purposes.

The VIN plate is located on the passenger side of the tongue of the trailer

03 · VIN & TRAILER IDENTIFICATION



MANUFACTURED BY: _____ DATE: _____

GVWR _____ KG(_____ LB) PER AXLE WITH _____ TIRE _____ RIM _____

GAWR ALL _____ KG(_____ LB) _____

AT _____ KPA(_____ PSI) COLD SINGLE _____

THIS VEHICLE CONFORMS TO ALL APPLICABLE US FEDERAL MOTOR VEHICLE SAFETY STANDARDS IN EFFECT ON THE DATE OF MANUFACTURE SHOWN ABOVE.

VIN: _____ TYPE: TRAILER _____ MODEL: _____

FD-304

SPARTAN · VIN LOCATION AND VIN STICKER

04

HITCHING UP

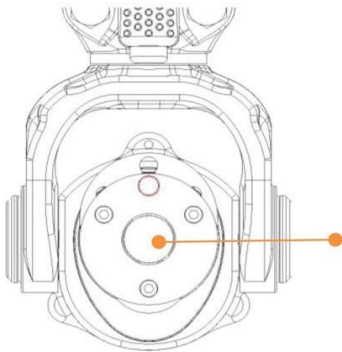
ABOUT YOUR HITCH DO35 CRUISEMASTER

04 · HITCHING UP

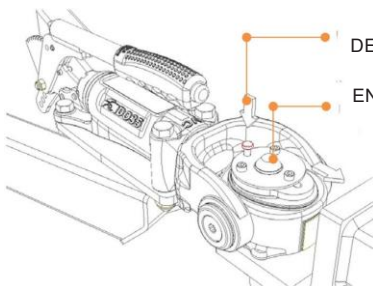


TOW VEHICLE SIDE/ TRAILER SIDE AND SARACEN HITCH LOCK

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



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

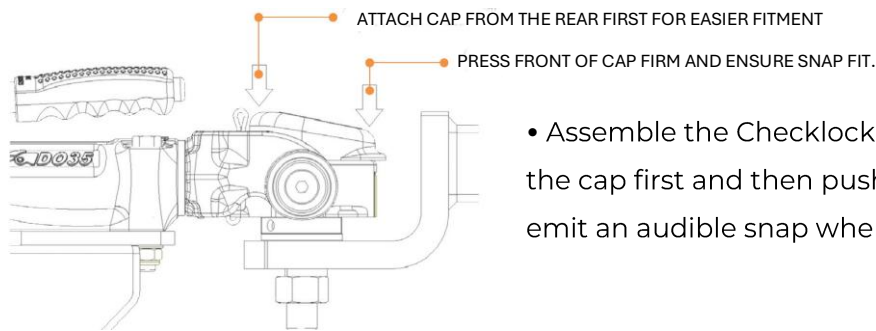


DEPRESS RED BUTTON FOR SPRING LOADED SLIDE TO LOCK COUPLING TO VEHICLE

ENSURE TOW PIN PROTRUDES THROUGH LOCKING MECHANISM BEFORE ATTEMPTING TO LOCK

- Align Coupling over Tow Pin by moving either vehicle or trailer, and lower coupling onto Tow Pin. Ensure the hitch is fully seated and the Tow Pin protrudes through the locking plate.

- Push the Lock Button to release the plate into the locked position.



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

BEFORE COUPLING

- Inspect the DO35 coupling and receiver for damage, excessive wear, dirt or obstructions.
- Confirm the tow vehicle is rated to safely tow the Spartan at its actual loaded weight.
- Make sure the trailer jack is supporting the trailer securely while positioning the tow vehicle.
- Ensure the safety chains, breakaway cable and 7-pin electrical connection are accessible and undamaged.

Coupling Procedure

1. Position the tow vehicle so that the DO35 coupling is aligned with the tow-vehicle receiver.
2. Lower the trailer onto the tow vehicle's hitch/receiver according to the DO35 operating procedure.
3. Confirm that the coupling mechanism is fully seated and locked.
4. Visually verify the locking mechanism before applying any load to the hitch.
5. Attach both safety chains to the tow vehicle using the designated attachment points.
6. Attach the breakaway cable to the tow vehicle at an appropriate independent attachment point.
7. Connect the 7-pin electrical plug and confirm it is securely seated.
8. Raise the tongue jack completely and secure it for travel.
9. Perform a final walk-around and verify that the trailer is ready for towing.

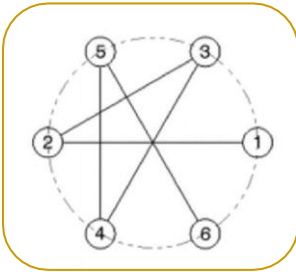
WARNING: Never tow the Spartan unless the DO35 coupling is fully engaged and locked, the safety chains and breakaway cable are correctly attached, and the electrical connection is secure.

05

TOWING

TIRES

The Spartan specification is 265/75R16 Kenda off-road tires. Recommended cold inflation pressure is 80 psi.



- Check tire condition and inflation before every trip.
- Check tire pressure when the tires are cold.
- Inspect for cuts, punctures, uneven wear and damage from off-road use.
- Inspect the spare tire and confirm that it is secured correctly.
- Do not exceed the tire, wheel or trailer load ratings.
- Ensure wheel bolts are torqued to 100 ft lbs. When tightening wheel nut lugs, please tighten bolts in a star-pattern order as indicated in the diagram to the right



TRAILER ELECTRICAL CONNECTION

Connect the 7-pin trailer plug to the tow vehicle and verify that the trailer running lights, brake lights and turn signals operate correctly before departure.



ELECTRIC BRAKES

The Spartan is fitted with electric drum brakes and an e-brake/breakaway system. The tow vehicle must be equipped with a compatible brake controller. Follow the brake-controller manufacturer's instructions for setup and adjustment.

TOWING GUIDELINES

- Allow additional stopping distance when towing.
- Drive at a speed appropriate for road, weather and trailer conditions.
- Reduce speed significantly on rough or heavily rutted terrain.
- Secure all cargo before travel.
- Do not tow with the kitchen extended, the rooftop tent unsecured, or storage compartments open.
- After significant off-road travel, inspect the trailer before returning to normal road speeds.

06

QUICK SET-UP GUIDE

Use this sequence as a quick reference. Refer to the detailed sections of this manual for complete operating instructions.

1. Position the Spartan on a suitable campsite and level the trailer as required.
2. Unhitch the trailer and secure it using the hand brake and wheel chocks.
3. Deploy your corner stabilizer legs *please note these should not be used for lifting or levelling your trailer*
4. Deploy your rooftop tent following the tent manufacturer's setup instructions.
5. Deploy and support the Spartan slide-out kitchen.
6. Connect and open the propane supply as required for the cooktop.
7. Turn on the Spartan electrical system/control panel as required.
8. Complete a final safety check before using the campsite.

NOTE: The rooftop tent is a customer-selected item. The Spartan manual does not provide setup instructions for a specific tent model.

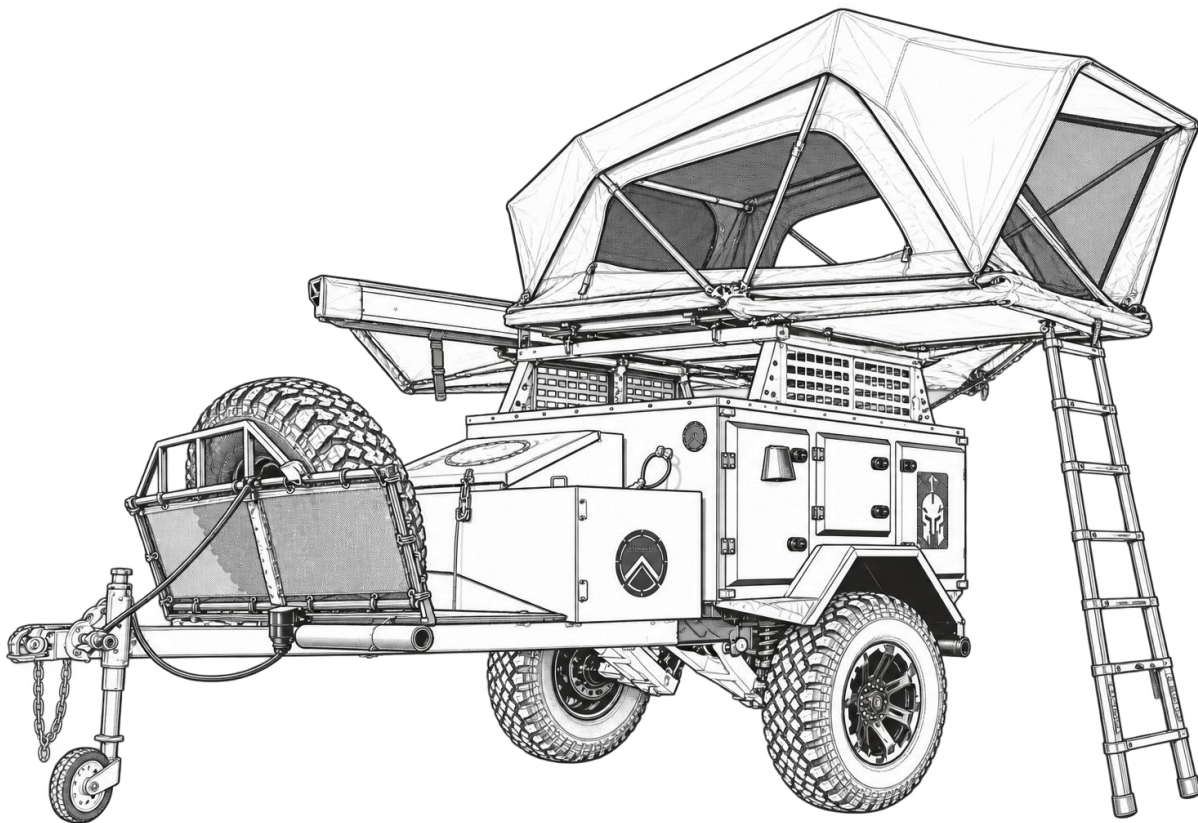
07

ROOFTOP TENT

The Spartan is designed to accommodate a range of rooftop tents. The rooftop tent is a owner-selected accessory and is not supplied as part of the Spartan trailer unless specifically stated at the time of purchase.

The owner is responsible for selecting a rooftop tent that is compatible with the Spartan, its mounting system and applicable load limits. The rooftop tent manufacturer is responsible for the design, construction, installation requirements, operating instructions, occupancy limits, ladder system, weather limitations and emergency procedures for its tent.

IMPORTANT: Always read and follow the rooftop-tent manufacturer's instructions before installing or using the tent, including requirements for installation, setup, operation, occupancy, children and age restrictions, ladder use, weather conditions and emergency procedures. Where the manufacturer's instructions differ from this manual, follow the manufacturer's instructions and contact Purple Line if clarification is required.



07 – ROOFTOP TENT

ROOFTOP TENT IN SET-UP POSITION

ROOFTOP TENT SAFETY

- Confirm the tent is correctly installed and all mounting hardware is secure before every trip.
- Inspect all rooftop-tent mounting hardware before every trip and tighten or secure it as required by the tent manufacturer.
- Keep the mounting area clean and free of dirt, mud, sand and other debris.
- Never exceed the rooftop tent manufacturer's stated occupancy or load limits.
- Never tow the Spartan with the rooftop tent deployed.
- Follow the tent manufacturer's instructions regarding wind, rain, snow and other severe-weather conditions.
- Use the rooftop-tent ladder only as instructed by the tent manufacturer and ensure it is correctly positioned and secured before climbing.
- Never climb onto the roof or rooftop tent unless permitted by the tent manufacturer and the equipment is designed for such use.
- Always follow the tent manufacturer's requirements regarding children and minimum age restrictions. Children must be supervised by an adult when using Spartan, the rooftop tent or ladder. Do not allow children to climb or play on or around the ladder or rooftop tent.

FALL AND INJURY RISK

WARNING: A rooftop tent is elevated above ground level and presents an inherent risk of falls and serious injury. Falls may occur from the tent, ladder or other elevated surfaces. Use the rooftop tent and ladder only as instructed by the tent manufacturer and exercise appropriate care at all times.

IMPORTANT: The owner is responsible for ensuring that the rooftop tent is properly selected, installed, maintained and used in accordance with the rooftop-tent manufacturer's instructions. Purple Line does not control the design, manufacture, operating instructions, occupancy requirements, age restrictions, maintenance requirements or use of third-party rooftop tents.

ROOFTOP TENT INSTALLATION

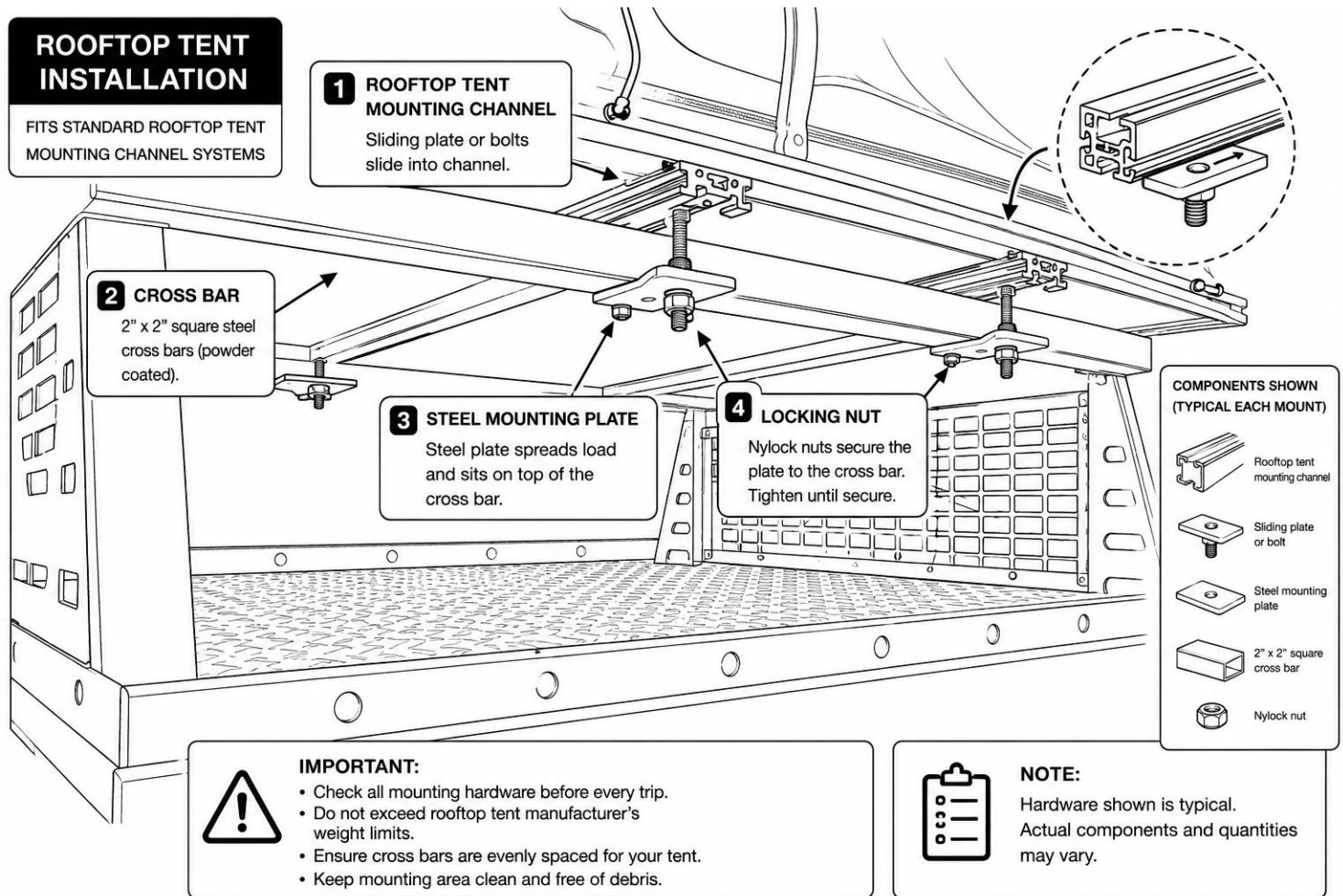
IMPORTANT: Before purchasing and installing your rooftop tent please confirm that the mounting hardware and load limits are compatible with the Spartan cross bar arrangement and weight capacities. Follow the rooftop-tent manufacturer's installation instructions and torque specifications. If the manufacturer's instructions conflict with this manual, follow the manufacturer's instructions and contact Purple Line for clarification before proceeding.

The Spartan rooftop cross bars are 2" x 2" square and 57.5" across the width of the camper and spaced 41" apart.

Please refer to Chapter 14 – Storage and Cargo for the applicable weight capacities for the Spartan.

Most rooftop tents have mounting kits that can attach to the Spartan using a method similar to that shown in the following figure.

WARNING! Please follow the instructions in the rooftop tent installation guide to ensure that the tent is fully secured to the Spartan. Failure to do so may result in serious injury or death.



07 – ROOFTOP TENT

ROOFTOP TENT SAMPLE INSTALLATION METHOD

Rooftop Tents can be installed in a variety of ways; please ensure you are following the exact instructions for your rooftop tent. The following is basic methodology for how your Rooftop tent *may* be attached to the Spartan camper. After following your Rooftop tents instruction manual, if you need further guidance about the installation, please contact Purple Line for further support at info@purplelineusa.com

1. Position the rooftop tent on the Spartan cross bars so that the tent is centered and the mounting channels align with the cross bars.
2. Insert the sliding plates or mounting bolts supplied with your Roof top tent into the rooftop tent's mounting channels. Do not fully tighten the hardware at this stage.

3. Position the mounting hardware so that the bolts pass through the cross-bar mounting area and the steel mounting plates are seated securely against the underside of the 2 in. × 2 in. cross bars.
4. Install the locking nuts onto the mounting bolts and hand-tighten all mounting points.
5. Check the position of the tent from all sides. Confirm that the tent is centered and that the mounting hardware is correctly seated without interfering with the Spartan body, storage compartments or other equipment.
6. Tighten the mounting hardware evenly, alternating between mounting points so that the tent remains centered and the steel mounting plates remain fully seated.
7. Inspect every mounting point to confirm that the bolt/plate assembly is fully engaged with the mounting channel and that the locking nuts are secure.
8. Tighten all mounting hardware to the torque specification provided for the rooftop tent mounting hardware.
9. Open and close the rooftop tent according to the tent manufacturer's instructions and confirm that the tent operates without contacting the Spartan or its accessories.

Installation Safety

- Use only mounting hardware approved for the rooftop tent and compatible with the Spartan cross bars.
- Do not substitute hardware of a different size, grade or design unless approved by tent manufacturer.
- Use adequate assistance or lifting equipment when positioning the rooftop tent. Do not attempt to support an unsupported tent by yourself.
- Do not place any part of your body beneath an unsupported rooftop tent during installation.
- Do not drill, weld, cut or otherwise modify the Spartan cross bars or chassis to install the rooftop tent unless specifically approved by the manufacturer.

Ongoing maintenance

- After the first trip, and periodically thereafter, inspect all rooftop-tent mounting hardware for movement, looseness or damage.
- Keep the mounting channels and cross-bar contact areas clean. Remove dirt, mud, sand and other debris that could prevent the mounting plates from seating correctly.
- Before every trip, verify that all mounting nuts are secure and that the steel mounting plates remain fully seated against the cross bars. Do not tow the trailer if any mounting point is loose, damaged or incorrectly assembled.

08

AWNING COMPATIBILITY

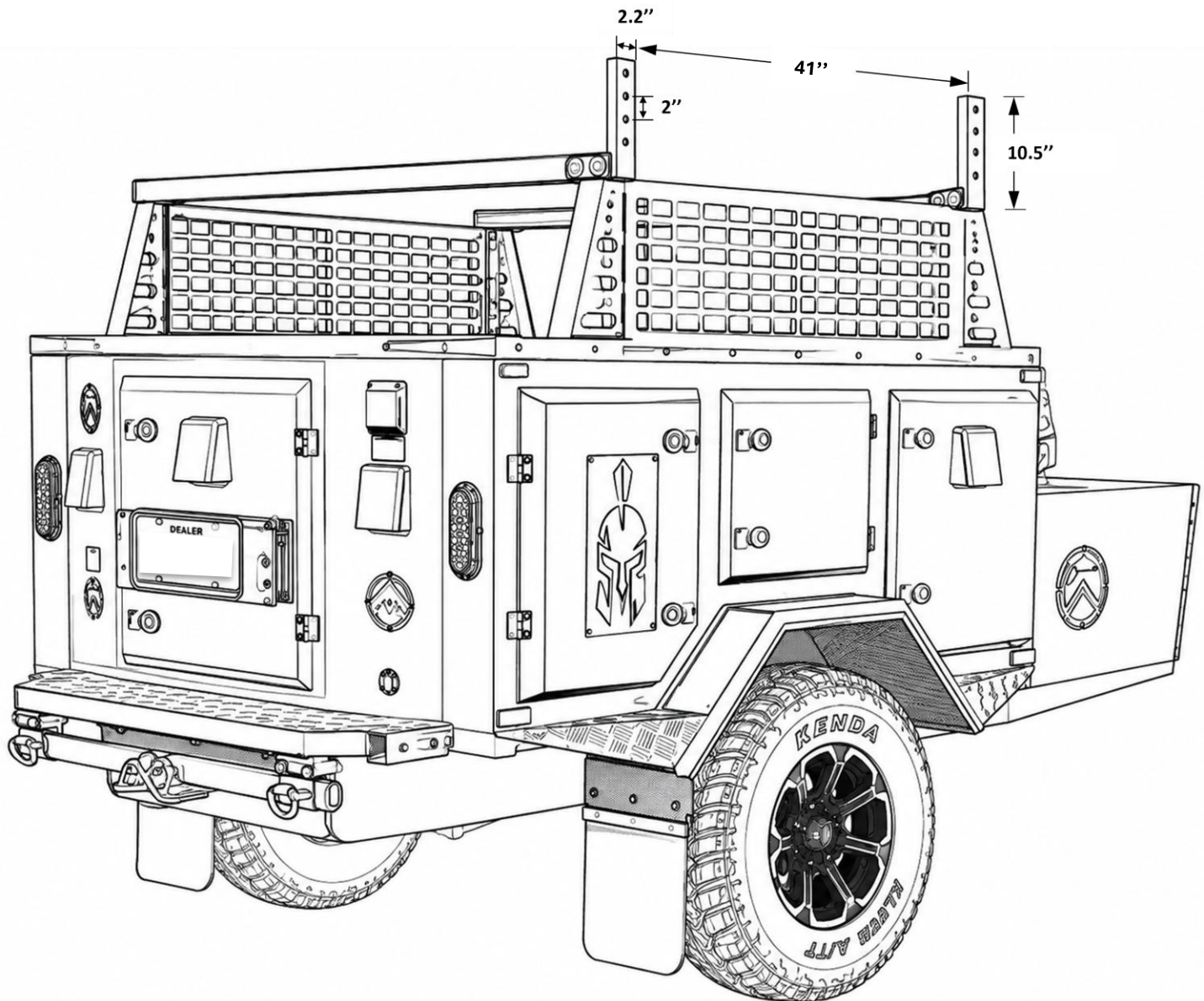
An awning is not included as standard equipment. The Spartan is designed to accommodate an awning, including compatible batwing-style awnings. The awning mounting brackets on your Spartan are designed to fit most common awning installation brackets, however please check the requirements of your chosen awning before purchase.

WARNING: Follow the awning manufacturer's installation, loading, setup and weather instructions. Do not leave an awning deployed in conditions that exceed its manufacturer's limits.

8. AWNING



BATWING AWNING INSTALLED



08 – AWNING

AWNING BRACKET POSITION AND MEASUREMENTS

SPECIFICATION

MEASUREMENT

DISTANCE BETWEEN AWNING MOUNTING BRACKETS

41"

MOUNTING BRACKET DIMENSIONS

10.5" (H) X 2.2" (W)

DISTANCE BETWEEN MOUNTING HOLES

2"

MAX MOUNTING BRACKET HEIGHT

83.27"

09

SETTING UP YOUR KITCHEN

The Spartan features a stainless-steel slide-out kitchen with a two-burner gas cooktop and sink with cold-water faucet.

09 • SETTING UP YOUR KITCHEN



SPARTAN SLIDE OUT KITCHEN WITH STOVE AND SINK

DEPLOYING THE KITCHEN

1. Park and stabilize the trailer before opening the kitchen.
2. Open the kitchen compartment and release the kitchen spring bolts.
3. Press the slide locks fully down and hold them down while pulling the kitchen smoothly to its full extension. **Please note, releasing the slide locks before the kitchen is fully extended may cause wear and damage to the locking mechanism on the slides and prevent them locking in position*.*
4. Deploy the kitchen support leg and ensure the kitchen is stable before placing equipment or cookware on it.
5. Connect the propane supply to the kitchen quick connect.
6. Complete the water and propane setup described in the following sections.

09 • SETTING UP YOUR KITCHEN



KITCHEN GAS HOSE CONNECTION POINT

PACKING AWAY THE KITCHEN

1. Turn off the cooktop and allow all components to cool.
2. Close the gas shut-off valve at the quick-connect.
3. Close the propane cylinder valve.
4. Disconnect the gas hose from the Spartan.
5. Carefully stow the gas and water hoses inside the kitchen so they cannot become caught in the kitchen runners.
6. Turn off the water pump.
7. Drain or empty the sink and waste hose as applicable.
8. Stow the water hose
9. Retract and secure the kitchen support leg.
10. Slide the kitchen fully into the storage compartment. Press the slide locks fully down and hold them down while sliding the kitchen in **Please note, releasing the slide locks before the kitchen is closed may cause wear and damage to the locking mechanism on the slides and prevent them locking in position**.
11. Engage the spring bolts to lock the kitchen in place and close/secure the compartment.

WARNING: Always ensure hoses and loose equipment are completely clear of the kitchen runners before retracting the kitchen.

10

PROPANE GAS SYSTEM

The Spartan uses a 20-lb propane cylinder to supply the external kitchen cooktop.

SAFELY OPERATING YOUR GAS SYSTEM

The Spartan is fitted with a mount for a 20 lb propane cylinder. The cylinder supplies propane to the external kitchen cooktop through a two-stage regulator located next to the propane storage compartment. The propane cylinder must be secured in its designated holder and turned off when the gas system is not in use.

Connecting the Propane Cylinder

Place the propane cylinder in the holder and use the provided clamp/retaining strap to hold the cylinder securely in place. Adjust the fit if necessary. Ensure that the correct propane pigtail hose is connected between the cylinder and the fixed propane regulator.

Once the propane cylinder is securely connected, slowly open the valve on the top of the cylinder.

Connecting the Kitchen

Extend the kitchen fully. The gas hose connected to the cooktop is stored inside the kitchen when the kitchen is retracted. Route the hose through the designated opening beneath the kitchen and connect it to the gas quick-connect on the side of the Spartan.

Once connected, open the gas shut-off valve at the quick-connect by turning it 90° so that it is parallel with the fitting.

Before lighting the cooktop, check the connections for signs of propane leakage.

Operating the Cooktop

The Spartan is equipped with a two-burner gas cooktop with an electric igniter. Ensure the Spartan is level and stabilized before cooking.

Lift the cooktop lid, turn on the Spartan's 12V power switch and use the integrated ignition switch on the cooktop to ignite the burner. **NOTE:** Some models may require the Spartan 12V lights switch to also be turned on for the cooktop ignition system to operate.

Allow sufficient time for gas to reach the burner. You may need to hold the ignition control for several seconds before ignition. If the burner does not ignite, turn the burner off and allow any accumulated gas to disperse before attempting to re-light it.

- Do NOT lean across the burners to reach the stove controls.
- Do not leave the cooktop unattended while operating.
- Do not use the cooktop for comfort heating or to heat the campsite or camper.
- Keep combustible materials away from the cooking area.
- Ensure adequate ventilation when operating the cooktop.
- Allow the cooktop to cool before packing the kitchen.
- Turn off the gas supply at the kitchen connection and propane cylinder when cooking is complete.

PACKING AWAY THE KITCHEN

Follow the steps on page 17 to carefully pack away your kitchen.

IMPORTANT: Ensure the gas hose is fully contained inside the kitchen before sliding the kitchen into its storage compartment. Failure to do so can cause the hose to become caught in the kitchen runners and result in damage.

Do not use any other gas systems than those provided with the Spartan. Always turn off the shut-off valve immediately after use.

WARNINGS

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

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

WARNING! Gas cooking appliances need fresh air: Before use, open vents/windows in an enclosed awning or turn on exhaust fan. Gas flames consume oxygen; replace for proper combustion. Improper use can cause death or serious injury.

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

DANGER! If you smell propane:

1. Extinguish any open flames and all smoking materials.
2. Shut off the propane supply at the container valve(s) or propane supply connection.
3. Do not touch electrical switches.

4. Open doors and other ventilating openings.
5. Leave the area until the odor clears.
6. Have propane system checked and leakage source corrected before using again.

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

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

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

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

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

IMPORTANT! Please consult the Purple Line team before completing any repair work on the gas system: the propane system installed includes a 2-stage regulator. The regulator must always be installed with the vent facing downwards. The regulator is located on the front of the Spartan. Ensure that the vent for the regulator is not obstructed as blockages could result in excessive propane pressure causing fire or explosion. Do not use other forms of gas. The propane system of the camper is designed for use with the supplied stove only; do not use any other gas appliance with it. The propane system is designed for use with propane only. Do not use other forms of gas.

11

WATER SYSTEM

The Spartan is equipped with a 20-gallon onboard fresh-water system and one electric water pump. The fresh-water fill is located at the rear of the camper and supplies the kitchen sink.

WARNING: Only use potable water from a reliable source. Do not use the fresh-water system for any purpose other than potable water service.

FILLING THE FRESH-WATER TANK

1. Use a hose suitable for potable-water service.
2. Ensure the fill connection is clean before connecting the hose.
3. Fill the tank at the rear fresh-water fill location.
4. Do not overfill the tank.
5. Disconnect the fill hose and secure the fill connection before travel.

11 – WATER SYSTEM



WATER FILL POINT LOCATION ON REAR OF CAMPER

SUPPLYING WATER TO THE KITCHEN

1. Extend and support the kitchen.
2. Turn on the water pump at the control panel.
3. Open the kitchen faucet and allow air to purge from the line.
4. Close the faucet when finished.

NOTE: If the pump runs continuously after the faucet is closed, inspect the system for leaks and confirm all connections are fully seated.

Your water pump is located behind a magnetic panel in the driver's side middle storage compartment.

11 – WATER SYSTEM



WATER PUMP LOCATION

PACKING AWAY THE WATER SYSTEM

1. Turn off the water pump at the control panel.
2. Open the faucet briefly to release residual pressure.
3. Drain the sink hose as applicable.
4. Stow the DRAIN hose so it cannot become caught in the kitchen slide.

WATER-SYSTEM CARE

- Sanitize, flush and drain the water system before first use and after periods of storage.
- Flush the system if water quality is in doubt.
- Use only a potable-water-approved fill hose.
- Do not store water in the tank for extended periods.
- Winterize the tank and water system when freezing temperatures are possible. The Water tank and lines are not freeze damage protected. See the Potable Water Winterization section for instructions for completing this.

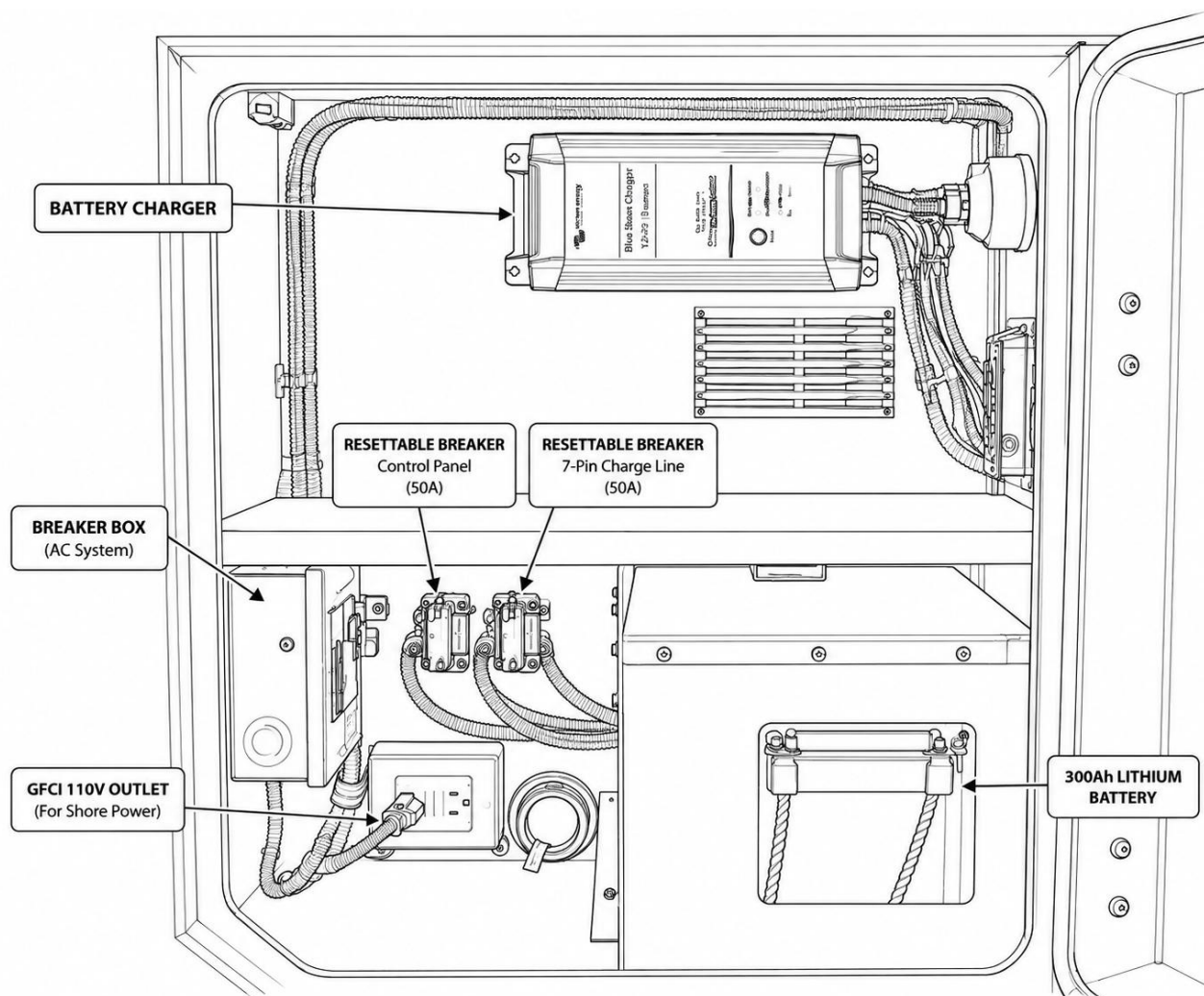
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ELECTRICAL SYSTEM

The Spartan uses a 300Ah 12V lithium battery and provides both 12V and 120V electrical capability. The control panel, breaker panel and charger are located together in a side-access compartment.

120V ELECTRICAL SYSTEM & SHORE POWER

The Spartan is equipped with a **120V electrical system** designed to comply with applicable NFPA and NEC requirements. The main circuit breaker panel is located in the **driver-side rear compartment**. Always keep the area around the breaker panel clear and ensure that it remains accessible.



SHORE POWER CONNECTION

The Spartan is supplied with a 30A shore power cable and a yellow dog-bone adapter for connecting to both campsite and household power sources. The shore power cable connects directly to the exterior shore power inlet on the Spartan.

The exterior shore power inlet is located on the rear side of the main body of the Spartan camper.

The supplied yellow dog-bone adapter allows the 30A shore power cable to be connected to a standard 3-prong household outlet when using your Spartan at home.

When connected to an appropriate 120V shore power supply, the system provides power to the Spartan's two 3-prong GFCI outlets and supplies power to the onboard battery charger, allowing the battery to charge. There is one outlet in the breaker box compartment, and one on the exterior rear wall of the Spartan.



CONNECTING TO SHORE POWER

WARNING: Do not connect the Spartan to an electrical supply that is not compatible with the trailer's rated shore-power system. Inspect the power cord and connectors for damage before every use.

1. Ensure the shore-power source is switched off before connecting, where applicable.
2. Inspect the shore power cable and yellow dog-bone adapter for signs of damage, wear or deterioration. Do not use damaged equipment.
3. Connect the shore-power cable to the Spartan's exterior shore-power inlet.
4. Connect the other end of the cable to the appropriate shore-power supply. When connecting to a household outlet, use the supplied yellow dog-bone adapter.
5. Switch on the shore-power supply.
6. If 120V power is not available at the Spartan's outlets, check the main circuit breaker panel.

Shore Power Safety

- Always use a listed and approved 30A shore-power cable and adapter.
- Only connect the Spartan to a properly grounded power source.
- Never use an extension cord in place of the approved shore-power cable.
- Regularly inspect the shore-power cable and adapter for damage, excessive wear or deterioration.
- Keep the circuit breaker panel accessible and free from obstructions.
- Do not connect the Spartan to a power source that does not match the trailer's rated electrical system.

DANGER: Failure to connect the Spartan to a properly grounded power source may result in electric shock, fire, equipment damage, serious injury or death. Always ensure the power source is properly grounded and compatible with the Spartan before connecting.

120V Power Availability

The Spartan does not have an onboard inverter. Therefore, the 120V outlets are only powered when the Spartan is connected to an external 120V power source, such as shore power or a suitable generator.

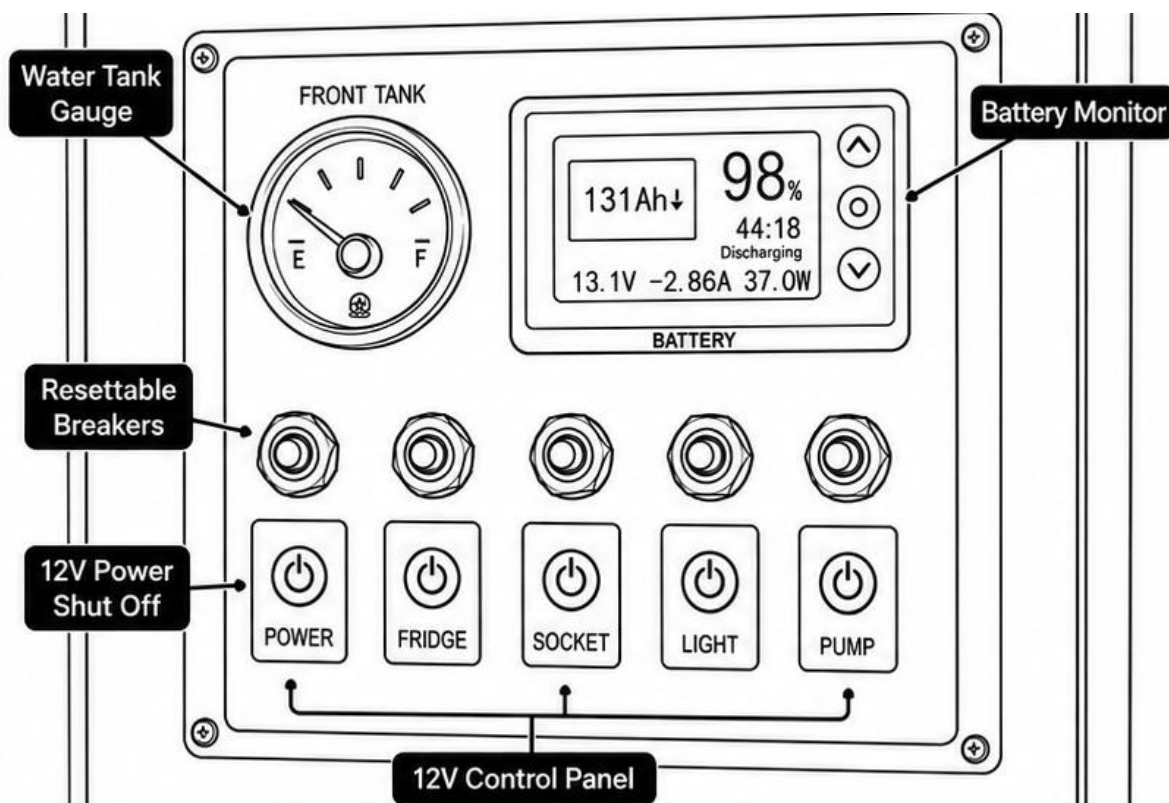
The onboard battery can power the Spartan's 12V electrical systems, but it cannot provide 120V power to the outlets when the trailer is disconnected from an external 120V supply.

12V BATTERY POWER

Connecting the Spartan to shore power will also charge the battery. The lithium battery supplies power to the Spartan's 12V systems. Monitor the battery status using the battery monitor and avoid allowing the battery to become excessively discharged. The water pump, fridge, lights and 12v outlets run off the battery.

CONTROL PANEL & BREAKERS

The control panel is located in the passenger side rear storage compartment. Use the control panel to turn on your Spartan's 12v power systems and monitor your water tank level, battery percentage and battery usage. There are resettable fuses above each button for each of the circuits.



12 – ELECTRICAL SYSTEM

12V SYSTEM CONTROL PANEL

12V OUTLETS

There are two 12v outlets on the Spartan. These are located to the bottom left of the kitchen slide out compartment and consist of 1 x CLA outlet and 1 x barrel jack.

12V ELECTRICAL SYSTEM



12V OUTLET LOCATIONS

SOLAR CHARGING

The Spartan includes a Zamp SAE solar port for connecting a compatible solar charging system. The Spartan does not include an onboard solar charge controller.

WARNING: Do not connect an uncontrolled solar panel directly to the battery through the solar port. Use a suitable solar charging system with its own compatible charge controller.

- Use a solar panel/system that is compatible with the Zamp SAE connection or an adapter that can be purchased via Zamp.
- The solar panel must have an appropriate integrated charge controller or you must add an in-line charge controller between the outlet and the battery.
- Connect the solar system only after confirming connector compatibility and polarity.
- Place the solar panel where it receives suitable sunlight and remains secure.
- Monitor the battery/control system to confirm charging is occurring.

50A ANDERSON CONNECTION

The Spartan includes a 2-pin 50A Anderson connection and pre-wiring for DC-to-DC charging. The Anderson connection is located at the camper tongue, with the wiring terminating in the battery compartment.

We recommend having a qualified technician install the DC-to-DC charging kit and complete the required vehicle-side wiring.

SAFETY: Improper electrical connections can cause damage to the charging system, battery, or vehicle and may create a fire hazard. Do not modify or connect the wiring unless you are qualified to do so.

Please contact our Customer Service team for guidance on the installation if needed.

BLUETOOTH SPEAKER

The Spartan is equipped with a Bluetooth speaker. Please refer to the instruction manual for full details on setting up this speaker.

1. Turn the speaker on using its power control.
2. Enable Bluetooth on your mobile device.
3. Select the Spartan speaker from the available Bluetooth devices.
4. Confirm the connection and adjust the volume from the speaker or connected device.
5. Turn the speaker off when not in use.

NOTE: If pairing or operation differs from these general steps, refer to the speaker manufacturer's supplied instructions.

ELECTRICAL CARE

- Keep electrical connectors clean and dry.
- Inspect cables for abrasion or damage after off-road travel.
- Do not replace a fuse or breaker with a higher-rated device.
- Have electrical faults investigated by a qualified technician when the cause is not obvious.

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REFRIGERATOR

The Spartan is equipped with a 12V refrigerator. The current production model is an ICECO VL60ProS, although the refrigerator brand/model may change over time.

NOTE: Always refer to the refrigerator manufacturer's manual for complete operating instructions, temperature settings, cleaning and maintenance.

- There is a dedicated 12v outlet for the fridge, in the fridge compartment.
- We recommend bringing the fridge down to temperature via a home outlet before your trip and load pre-chilled items inside. This will preserve battery power on your trip.
- User ECO or LOW settings to preserve battery power.
- Use the fridge fan located in this compartment to help ventilate.
- Keep the refrigerator secured for travel using the fridge straps provided.
- Monitor battery voltage when operating the refrigerator from the 12V system.
- Clean and dry the refrigerator before long-term storage.

13 - REFRIGERATOR



REFRIGERATOR LOCATION

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STORAGE & CARGO

The Spartan provides front-mounted storage compartments, roof-mounted Molle panels and a roof storage deck for adventure and recovery gear. Distribute cargo carefully and keep heavy items as low and as close to the trailer's center as practical.

- Secure all cargo so it cannot shift during towing.
- Close and latch storage compartments before travel.
- Do not exceed the trailer's GVWR.
- Do not mount equipment to Molle panels or the roof unless the attachment method and load are suitable for the specific component.
- Inspect mounted equipment after off-road travel.

COMPONENT	WEIGHT CAPACITY
Roof Storage Deck – Max loaded tow capacity during travel	200lbs
Roof Top Bars – includes Roof Top Tent and Awning	635lbs
Awning Brackets	70lbs
Trailer Cargo Capacity – including fridge, propane and water, tent, awning and all loaded items	2280lbs

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SAFETY

- Read this manual and all supplied appliance/accessory manuals before use.
- Never exceed the trailer's GVWR or the load limits of individual components.
- Inspect the trailer before every trip.
- Keep children away from moving kitchen components, hitch components, propane connections and elevated equipment.
- Do not make unauthorized modifications to the chassis, suspension, braking, propane or electrical systems.

ROOFTOP-TENT SAFETY

- Use only a properly installed rooftop tent.
- Inspect mounting hardware before every trip.
- Use the ladder only when it is correctly deployed and supported.
- Never climb on the roof or tent while impaired, during unsafe weather or when the ladder/tent is not correctly secured.
- Children should not climb or play on the ladder. Adult supervision is required when children use the rooftop tent.

EMERGENCY EXITS

For the rooftop tent, follow the emergency-exit instructions supplied by the tent manufacturer.

FIRE & PROPANE SAFETY

Always operate the external cooktop according to the manufacturer's instructions and maintain safe clearance from combustible materials.

The Spartan is fitted with a fire extinguisher in case of emergency.

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CARE & MAINTENANCE

NEW TRAILER MAINTENANCE

TRAILER BRAKES

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

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

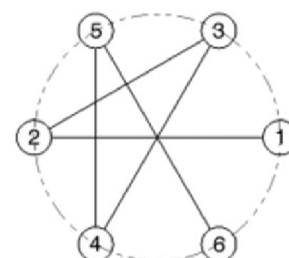
SUSPENSION, WHEEL & HITCH BOLTS

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

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

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

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



6 LUG BOLT
PATTERN

GREASING AND SERVICING

The electrical and propane systems will need to be checked over by an RV service technician. The lug nut torque requirements are 100ft lbs.

- **WARNING!** Never use the levelling jacks to lift the trailer completely from the ground for any reason including servicing, repair work or tire changes. To do so would cause the trailer to become unstable and unsafe. Always use proper lifting equipment or have the work completed at an approved service location.
- The servicing schedule may be affected by your usage amount and operating conditions. Discuss your intended use and servicing timetable with your dealership to find the optimum schedule for your

Spartan. It is always better to attend to or catch small problems early or before they occur rather than allowing problems to become larger or impact other systems or areas of your trailer. Failure to service your trailer in a timely manner may mean that issues may fall outside of or void your warranty due to failure to complete proper maintenance (neglect).

The servicing requirements are:

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

ROOFTOP-TENT MOUNTING HARDWARE

- Inspect all rooftop-tent mounting hardware before every trip.
- Confirm fasteners remain tight.
- Remove dirt, mud, sand and debris from the mounting area.
- Follow the rooftop-tent manufacturer's maintenance recommendations.

BATTERY CARE & MAINTENANCE

The Spartan is fitted with a lithium battery and a battery shut-off breaker. Proper storage helps maintain battery performance and prolong battery life.

Before storing your Spartan for an extended period:

1. **Fully charge the battery.**
2. **Turn the battery shut-off breaker OFF** to disconnect the battery from the camper's electrical system.

3. Ensure all electrical loads are switched off and that no accessories remain connected that could draw power from the battery.
4. Store the camper in a **dry, temperature-controlled environment whenever possible**. Avoid exposing the battery to extreme temperatures.
5. **Do not attempt to charge the battery when it is below the minimum charging temperature specified by the battery manufacturer.** Lithium batteries can be damaged if charged while too cold.

During Storage

Lithium batteries have a low self-discharge rate and generally do not require a trickle charger during storage. Once fully charged and disconnected from the camper's electrical system, the battery can remain disconnected for an extended period.

Periodically check the battery during storage to ensure it is maintaining an adequate state of charge. **We recommend checking the battery every 2–3 months.** If the battery has discharged significantly, recharge it according to the battery manufacturer's instructions before returning the camper to service.

Before Using the Camper Again

Before your next trip:

- Inspect the battery and electrical connections for signs of damage or corrosion.
- Confirm the battery shut-off breaker is in the **ON** position.
- Check the battery state of charge.
- Recharge the battery if necessary.
- Confirm that the camper's electrical systems are operating normally.

Important: Do not leave the battery completely discharged for an extended period. Lithium batteries can have very low self-discharge, but connected loads or parasitic electrical loads can gradually discharge the battery during storage.

WATER SYSTEM

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

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

To drain and sanitize your water system

1. Turn off the water pump. DO NOT use the water pumps to run your tanks dry.
2. Drain the fresh-water tank using the tank drain.
3. Open the kitchen faucet to release residual water from the lines.
4. Use a potable water sanitizing product such as Camco TastePURE Spring Fresh Water System Cleaner
5. Do NOT use bleach to sanitize the tanks as they are stainless steel and it will cause corrosion
6. Follow the steps as directed on your potable water sanitizing product to fill, sanitize and purge as required.

As a reminder, the Spartan is not a 4-season camper and as such should not be subjected to freezing temps without after-market heating pads/ insulation kits added (something we do not offer as an option). We strongly recommend winterizing your water system prior to exposure to freezing temps. See below winterization steps.

GENERAL CLEANING

- Remove dirt and debris after off-road use.
- Clean mud and sand from moving components before storage.
- Do not use aggressive chemicals that could damage painted, galvanized or sealed surfaces.
- Inspect seals and exposed hardware for damage.

OFF-ROAD USE & INSPECTION

The Spartan is designed for off-road travel, but off-road conditions can place substantially greater loads on the trailer than normal road use.

After Significant Off-Road Use

- Inspect the hitch, receiver and safety connections.
- Inspect the tires and wheels for impact damage.
- Inspect suspension components and undercarriage hardware.
- Check trailer lights and electrical cables.
- Inspect the kitchen slide and locking hardware.
- Inspect rooftop-tent mounting hardware.
- Inspect storage doors, latches and mounted accessories.
- Remove accumulated mud, sand and debris before storage.
- Check for damage from rocks, branches or water crossings.

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TRAILER STORAGE

For long-term storage, follow the standard RV storage practices with the Spartan-specific systems described in this manual.

- Clean and dry the trailer before storage.
- Drain the potable-water system. Winterize if necessary to prevent freeze damage (see winterization section below).
- Close the propane cylinder valve and disconnect/secure the propane system as appropriate.
- Clean and dry the refrigerator and leave it stored according to its manufacturer's instructions.
- Inspect and secure all storage compartments.
- Turn the battery shut-off breaker OFF to disconnect the battery from the camper's electrical system. See the battery care and maintenance section for more details on this.
- Follow the rooftop-tent manufacturer's storage and weathering recommendations.
- Check tire condition and protect the trailer from unnecessary exposure where practical.

POTABLE WATER WINTERIZATION

WARNING! Use only an RV water-system winterizing product approved for potable-water systems and follow the product label. Do not use automotive antifreeze in the potable-water system.

The Spartan winterization process is as follows, drain your water system as described above, then:

AT YOUR WATER PUMP:

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

17 – TRAILER STORAGE



WATER PUMP FILTER AND PUMP WINTERIZATION VAVLE LOCATION

DE-WINTERIZING - RETURN TO THE ROAD

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

7. Fill your water tanks with water and flush the water system with freshwater. Open your faucet and make sure all the winterization fluid is flushed from the system.
8. Flush and sanitize the potable-water system before returning it to service.
9. Turn the 3 –way valve handle of the water pump in to a horizontal direction (Open Position - Figure D)

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TROUBLESHOOTING

Use the following as a first-level troubleshooting guide. If the problem persists, contact your dealer or a qualified technician.

ISSUE

TROUBLESHOOTING TIP

Water pump runs when faucet is closed

Check for a water-system leak. Inspect connections and fittings and make sure all connections are fully seated. If the problem persists, have the system inspected.

Water pump runs but no water comes from faucet

Check for a water-system leak. Inspect connections and fittings and make sure all connections are fully seated. If the problem persists, have the system inspected. Do not run the pump dry.

Cooktop will not stay lit

Confirm propane supply, check for a closed valve or kinked hose, and follow the cooktop manufacturer's ignition procedure. Allow sufficient time for gas to reach the appliance.

No 120V power

Confirm shore power is connected and switched on. Check the breaker panel. Do not replace a breaker with a higher-rated device.

Battery is not charging on shore power

Confirm shore power is connected and the applicable breaker is on. Check the charger in the side-access electrical compartment. If charging does not resume, contact your dealer.

Fridge shows low power

Check battery state of charge and 12V connections. Refer to the refrigerator manufacturer's instructions for low-voltage protection and settings.

Solar system is not charging

Confirm the solar panel has its own compatible charge controller, the connector is correctly seated and the panel is receiving sunlight.

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CUSTOMER RESPONSIBILITIES

The owner is responsible for operating and maintaining the Spartan in accordance with this manual, applicable appliance manuals and local laws.

- Complete pre-departure inspections.
- Maintain correct tire pressure and inspect tires regularly.
- Keep all trailer, hitch and accessory hardware properly maintained.
- Maintain the potable-water system.
- Maintain the propane system and cooktop according to manufacturer instructions.
- Maintain the battery and electrical system.
- Follow the rooftop-tent manufacturer's installation and maintenance requirements.
- Keep records of maintenance and warranty-related service.
- Contact the selling dealer before authorizing repairs that may be warranty-related.

Damage resulting from misuse, improper loading, lack of maintenance, unauthorized modifications, severe impacts or operation outside the intended use may not be covered by warranty.

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WARRANTY

Thank you for purchasing your Spartan. This SPARTAN Limited Warranty (the “Warranty”) is the sole and exclusive warranty made or authorized by Purple Line LLC applicable to Trailers “Covered Product” so long as such items are used exclusively for recreational purposes in the United States or Canada for the 2027 model year.

Please review this document carefully and should you have any question, please contact Purple Line LLC. By purchasing a Covered Product, you agree to all of the terms and conditions set forth in this Warranty.

Important Information Regarding Warranty Service and Repairs. Before making your purchase, please take note of the SPARTAN in-network service and warranty location nearest to you to ensure coverage is available locally. This SPARTAN Warranty covers warranty repair and service at the authorized dealership where you purchased your product. Warranty repair and service may be available at other authorized SPARTAN dealerships but please be aware that not all dealerships accept service appointments from customers who did not purchase their product from that dealer so please check prior to your purchase. This Warranty does not promise or extend to the future performance of a Covered Product and does not make any representations about how such Covered Products will perform in the future. This Warranty only covers the original purchaser’s remedy in the case where a Substantial Defect in materials or workmanship attributable to SPARTAN’ manufacture and assembly of the Covered Product exists, not Damages. “Damages” include issues or repairs stemming from misuse or collision that occurs after the purchase of the Covered Product by the first retail purchaser as well as due to a lack of maintenance (described below).

Warranty Period; Covered Items. The Warranty will be in effect for the following periods (the “Warranty Term”):

- For ninety (90) days from the original date of purchase, the Warranty will cover seals and sealants. Thereafter, the owner is solely responsible for such items are part of recommended maintenance.
- For twelve (12) months from the original date of purchase, the Warranty will cover all fittings, fixtures, canvas components, and poles.

The Spartan is intended for recreational use. Warranty coverage, periods, exclusions and service requirements are governed by the current Spartan/Purple Line warranty applicable to the model and date of purchase.

- Contact your selling dealer before arranging warranty repairs.
- Provide the dealer with the VIN, purchase information and a description of the issue.
- Retain invoices and service documentation.
- Warranty repairs must be authorized and performed in accordance with the applicable warranty terms.
- Appliance-specific warranty claims may be handled by the appliance manufacturer.

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OWNER INFORMATION

VIN

DATE OF PURCHASE

SELLING DEALER

DEALER PHONE

DEALER EMAIL

ROOFTOP TENT BRAND / MODEL

REFRIGERATOR MODEL

OTHER ACCESSORIES

NOTE: Record your VIN and keep this manual with the trailer. Record the rooftop-tent brand/model because its operating instructions are separate from this Spartan manual.

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PRE-DEPARTURE CHECKLIST

Complete this checklist before every trip.

- ☐ Hitch fully coupled and locked
- ☐ Safety chains correctly attached
- ☐ Breakaway cable attached
- ☐ 7-pin electrical connector secured
- ☐ Trailer lights tested
- ☐ Brake controller tested
- ☐ Tires inspected and inflated to the recommended cold pressure
- ☐ Spare tire secured and inspected
- ☐ Wheel nuts checked
- ☐ Propane cylinder secured and valve closed
- ☐ Kitchen fully retracted and locked
- ☐ Water and gas hoses disconnected and stowed
- ☐ Refrigerator secured for travel
- ☐ Rooftop tent completely closed and secured
- ☐ Rooftop-tent mounting hardware inspected
- ☐ Storage compartments closed and locked
- ☐ Cargo secured
- ☐ Molle-mounted equipment secured
- ☐ Tongue jack fully retracted and secured
- ☐ No loose equipment remains on or under the trailer



SPARTAN

ADVENTURE. WITHOUT LIMITS.

PURPLE LINE LLC
www.purplelineusa.com

2027 MODEL YEAR