
STORYTELLER
OVERLAND
2022 USER GUIDE

We’re all about great people and good vibes!

Welcome to **MODElife!**

We know you have a lot of options available to you in the Class B RV space these days, so we are grateful you chose the Storyteller Overland MODE adventure van as your preferred getaway vehicle for a more adventurous life out on the open road and beyond!

Before we discuss the key features and functions of your new van, let's talk a little bit about the Core Values that drive the design, engineering, craftsmanship, and overall experience of the MODE.

Our approach throughout the entire process of creating and manufacturing the MODE has been to deliver you an innovative, inspiring, adventure-ready vehicle that is . . . Safe, Simple, Fun, Flexible, Rugged, and Ready-to-Go at all times!

Safe

Simple

Fun

Flexible

Rugged

& Ready to Go at all times!

SAFE

You and your passengers can rest in the knowledge that your MODE has been designed and engineered with onboard power, mechanical, and seating solutions which are fully tested and compliant with all relevant FMVSS, DOT, NHTSA safety regulations. And you can also be assured that your MODE has been manufactured in accordance with the best practices for our industry to meet or exceed the rigorous RVIA certification and related OEM body builder standards.

SIMPLE

Your MODE features an uncomplicated, uncluttered, intuitive design that makes it easy for you and your crew to get into whatever MODE of travel, camping, exploring, you are going for, without all the hassle and complexity associated with conventional RVs or camper vans.

FUN

Your MODE is designed for increased functionality using a number of additional features to allow you to have the ultimate experience.

FLEXIBLE

The MODE is not a "one-trick pony"! We know our customers have demanding lives and they need their adventure vehicle to rise to the challenges that come along with being a daily driver, a weekend warrior, and a long-range traveler. Whether you are road tripping across the country with your family, camping off-grid with your crew, or just flying solo for a quick "urban adventuring" store run across town, the MODE is meant to be your getaway vehicle of choice to help you flex between all aspects of a life fully lived.

RUGGED

We know life on the open road and beyond can get a little messy. That's why we build our MODEs only with the highest quality components and materials to ensure that each of these elements will fully withstand the rigors of active use for years to come. The M-Power automotive-grade Energy Storage System (powered by Volta) can keep you off-grid for longer. And the thoughtful design, quality, craftsmanship, and resilient materials incorporated throughout every aspect of your vehicle can endure just about anything you can put it through.

READY-TO-GO

And finally, we feel your MODE should be ready to perform and keep its promise on a moment's notice. So, we have made every effort to ensure all of the onboard systems and components are easy to maintain and readily serviceable by qualified technicians. Furthermore, we have a stellar nationwide dealer sales and service network, combined with a dedicated, internal after-sales support system to help in the field should you need assistance while traveling.

So there you have it!

These are the Core Values that drive our thinking in the development of each and every aspect of your MODE. We are grateful for the opportunity to serve you and your crew, and we look forward to seeing you . . .
"Live Free–Explore Endlessly–Tell Better Stories" out on the open road and beyond!

Cheers to the road ahead!

and your Storyteller Overland / MODElife family

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SECTION 1

INTRODUCTION

> Welcome to the family of Storyteller Overland owners! Before you begin your travels, please take some time to get to know your MODE's features and some of the tips and tricks provided in this User Guide.

About This User Guide

This User Guide has information on how to operate and care for your MODE, as well as general safety information to help you have the best experience possible.

NOTE: This User Guide is general in its coverage of the vehicle components and systems. Some of the exact equipment or functions may have been changed due to continuous product improvement. Your vehicle may differ slightly from the information included herein. Descriptions, images, and specifications were correct at the time of publication, but Storyteller Overland reserves the right to make changes, without notice, and without obligation to install the same products previously manufactured.

If you have a Classic, Stealth, or Beast MODE, it was built on a Mercedes-Benz® Sprinter chassis. If you have a MODE LT, it was built on a Ford® Transit chassis. You will find references throughout this User Guide to the vehicle chassis as well as the Operating Instructions—either Sprinter or Transit, depending upon which MODE you have. Please refer to the Operating Instructions for information regarding the operation, safety, and maintenance of the original vehicle chassis.

In addition to this User Guide and the vehicle's Operating Instructions, your MODE came with manufacturers' user manuals for various appliances and systems in your RV. Many of these systems are covered in this User Guide, but some information may only be found in the individual manufacturer's manuals. Please keep these documents handy should you have questions; most are also available on the manufacturer's websites.

Safety Messages

This User Guide alerts you to common safety or vehicle hazards using the two following designations:

⚠ WARNING

Indicates a hazard that may endanger your health or life, or the health or life of others

CAUTION

Indicates a risk which may lead to minor injury and/or your vehicle being damaged

Pre-Delivery Inspection

Storyteller Overland takes pride in the quality of the products we build. We inspect every vehicle closely before shipping. Your dealer is responsible for completing a comprehensive pre-delivery inspection and correcting any issues with the chassis or RV components prior to delivery.

Before Driving

Familiarize yourself with all local and state laws as different areas may have laws that apply to your RV but which vary between regions.

Service & Assistance

We are committed to our customers well after the purchase of their vehicle. Should you need service or technical assistance, please reach out at StorytellerOverland.com under Customer Support for the fastest response, or call 1-888-999-7442. We will gladly help you get back on the road as quickly as possible.

Reporting of Safety Defects

At Storyteller Overland, we strive to produce safe and reliable vehicles. If you feel there is a safety defect that could result in a crash, injury, or death, you should immediately contact the National Highway Traffic Safety Administration (NHTSA), as well as Storyteller Overland. If the NHTSA receives similar reports, they may choose to open an investigation and/or issue a safety recall and campaign.

To contact the NHTSA:
Call the Vehicle Safety Hotline toll-free at 1-888-327-4236 (TTY 1-800-424-9153); go to www.safecar.gov; or write to Administrator, NHTSA, 1200 New Jersey Avenue S.E., Washington, D.C. 20590.

To contact Storyteller Overland:
Call 1-888-999-7442, or, contact us via our website:
StorytellerOverland.com.

Occupant & Cargo-Carrying Capacity

An Occupant & Cargo-Carrying Capacity label is found in the passenger door area and shows the maximum weight capacity of the vehicle for all passengers and cargo, as well as the number of seat-belted riding positions.


MOTOR HOME OCCUPANT AND CARGO CARRYING CAPACITY VIN:
THE COMBINED WEIGHT OF OCCUPANTS AND CARGO SHOULD NEVER EXCEED:
_____ OR _____
SAFETY BELT EQUIPPED SEATING CAPACITY
CAUTION:
—
A FULL LOAD OF WATER EQUALS ____ OR ____ OF CARGO @ 1KG/L (8.3 LB/GAL)
AND THE TONGUE WEIGHT OF A TOWED TRALIER COUNTS AS CARGO.

CAUTION

Water and trailer tongue weight count as cargo and factor into your available cargo weight. The weight of a full load of water for the vehicle is provided on the label. Failure to take these weights into consideration can result in overloading the vehicle and lead to compromised functionality and handling.

A new label with correct occupant and cargo-carrying capacities will be affixed to the vehicle if accessories exceeding 100 lbs. were added after vehicle certification and before the vehicle has been sold at retail.

Specifications & Capacities

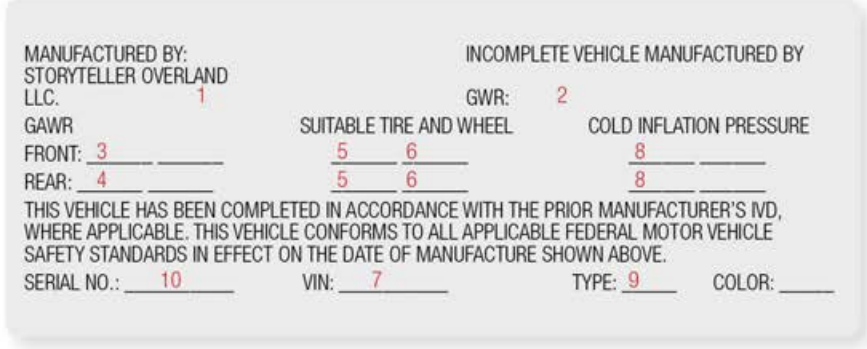
CHASSIS	MERCEDES-BENZ SPRINTER	FORD TRANSIT
Length	19'5"	19'4"
Exterior height[1]	10'0"	10'3"
Exterior width	7'8"	8'2"
Awning width	10'	10'
Awning extension maximum	7'	7'
Interior height	6'3"	6'5"
Interior width	6'6"	6'5"
Freshwater tank capacity[2]	21 gal	21 gal
Gray water tank capacity[2]	24 gal	24 gal
Portable toilet capacity	2.6 gal	2.6 gal
Wheelbase	144"	148"
GVWR	9,050 lbs	9,500 lbs
GAWR – Front	4,410 lbs	4,630 lbs
GAWR – Rear	5,360 lbs	5,750 lbs
GCWR[3]	13,930 lbs	12,600 lbs
Fuel capacity	24.5 gal	31 gal

1. Measured to top of tallest standard feature; actual height may vary.
2. Based on measurements prior to tank installation; slight variations are normal.
3. Actual towing capacity depends on particular loading and towing circumstances, including GVWR, GAWR, GCWR, and adequate trailer brakes. (Refer to your vehicle's Operating Instructions for further towing information.)

All information is based upon the most recent data available. Visit StorytellerOverland.com for the most current product information.

Vehicle Certification Label

This label is found in the driver door area and contains the Vehicle Identification Number (VIN) label as well as essential vehicle information.


MANUFACTURED BY:
STORYTELLER OVERLAND
LLC. 1

INCOMPLETE VEHICLE MANUFACTURED BY

GWR: 2

GAWR	SUITABLE TIRE AND WHEEL	COLD INFLATION PRESSURE
FRONT: 3	5 6	8
REAR: 4	5 6	8

THIS VEHICLE HAS BEEN COMPLETED IN ACCORDANCE WITH THE PRIOR MANUFACTURER'S IVD, WHERE APPLICABLE. THIS VEHICLE CONFORMS TO ALL APPLICABLE FEDERAL MOTOR VEHICLE SAFETY STANDARDS IN EFFECT ON THE DATE OF MANUFACTURE SHOWN ABOVE.

SERIAL NO.: 10 VIN: 7 TYPE: 9 COLOR:

Vehicle Certification Data Explanation

1. **Date of completed alterations by Storyteller Overland**
2. **Gross Vehicle Weight Rating**
3. **Gross Front Axle Weight Rating**
4. **Gross Rear Axle Weight Rating**
5. **Specified tire size for rating**
6. **Specified wheel size for rating**
7. **Vehicle Identification Number (VIN)**
8. **Tire pressure rating**
9. **NHTSA classification**
10. **Serial number**

SECTION 2

DRIVING YOUR MODE

> See your vehicle's Operating Instructions for information on Sprinter- or Transit-specific items such as: driving controls, instrumentation, cruise control, climate controls, wipers, lights, and other chassis-related features.

Seat Belts

All seating positions in your RV have seat belts. While the vehicle is moving, passengers should only use these seats, and all seats should be locked in the travel position.

Pregnant women should never place the shoulder belt behind their back or under their arm. The lap belt should be adjusted across the hips/pelvis and below the belly, and the shoulder belt should be across the chest (between breasts) and away from the neck.

NOTE: After any serious accident, all seat belts in use during the accident must be inspected and, if necessary, replaced. (Also, see In the Event of an Accident *at p. 63 of this User Guide.)*

Child Restraints

The proper use of child restraints is critical for the safe transport of children in your vehicle. Child restraints should always be installed properly according to the manufacturer's instructions. Incorrect installation or use increases the risk of injury to a child in the event of an accident or sudden maneuver.

Seats must be in the full upright position when child restraints are used and the vehicle is in motion.

The GrooveLounge bench seat can be used with child restraint systems designed for lap-shoulder style seat belts if you have a locking clip.

NOTE: The GrooveLounge bench seat does NOT have a ratcheting style retractor, but comes from the factory with a child seat locking clip.

Front Seats

The front seats of your RV are adjustable in various ways, including to face the rear of the vehicle. When swiveled to face the rear, the driver seat must be adjusted all the way back toward the steering wheel to clear the GrooveLounge (when extended).

When the vehicle is in motion, the driver and passenger seat must be locked in the forward position.

CAUTION

Damage to interior door panels may result if seats are swiveled toward the doors. Do not turn driver seat counterclockwise, and do not turn passenger seat clockwise.

See your vehicle's Operating Instructions for more information on front seat adjustments.

Factory Dash Climate Controls

Your MODE's dash climate controls are designed to heat and cool the front cabin area only, not the entire cabin. See your vehicle's Operating Instructions for details regarding dash A/C, heat, and defrost functions.

For details regarding the MODE's heating and cooling systems for the cabin, see Cabin Climate Control System *at p. 28 of this User Guide.*

Control Panels & Functions

The MODE has five locations of controls (identified below).

- M-Power ESS / Volta Screen: located on the wall behind the Sprinter driver seat / Ford passenger seat, and to the right of the Volta button
- MODE COM Screen: located to the left of the Volta button
- Galley Face: located above the refrigerator
- Galley Side: located below the sink
- Water Control Panel: located on the left (driver) side of the rear garage area

Infotainment Systems & Driver Assist Features

For information regarding Infotainment, radio, navigation, cameras, external sensors, and other driver assist features, consult the Operating Instructions.

Loading the MODE

When loading the MODE, always observe the following:

- Empty the gray water tank to reduce vehicle weight.
- Distribute weight evenly to help vehicle handling.
- Never exceed the GVWR (Gross Vehicle Weight Rating)[1] or the GAWR (Gross Axle Weight Rating)[2].
- The combined measured weight at the front wheels plus the measured rear wheel weight should never exceed the GVWR.
- Never exceed the GCWR (Gross Combination Weight Rating)[3].
- Never exceed the individual tire weight ratings.

1. The GVWR is the total allowable weight of the vehicle, including passengers, cargo (including water), and possible tongue weight of a towed trailer.
2. The GAWR is the weight the axle is rated for.
3. The GCWR is the maximum total weight of the vehicle and anything towed.

NOTE: All of the above values specific to your vehicle can be located on the Vehicle Certification Label *in the driver door area. See Vehicle Certification Label at p. 6 of this User Guide for more details.*

Weighing the MODE

Weigh your fully loaded MODE to determine the proper load distribution of cargo in your vehicle. Fully loaded is intended to include: fuel, fresh water, food, bedding, passengers, gear, and other items you will be transporting.

Finding a Scale

Commercial truck stops, as well as some other locations, have commercial scales you can use for a fee.

Weighing Procedure

Measure the following weights: front axle, rear axle, and total vehicle.

To get a front axle weight, drive only the front wheels onto the scale. To get a total vehicle weight, drive all wheels onto the scale. To get a rear axle weight, drive the rear wheels only on the scale.

Compare these measurements to the GVWR, and the GAWR for the front and rear axles, found on the Vehicle Certification label inside the driver door area.

Front Axle Alignment

Once the RV is fully loaded, have the front axle alignment checked and, if necessary, adjusted. After that, the alignment should be inspected periodically to help prevent uneven tire wear.

Excessive or abnormal tire wear may indicate a worn or misaligned suspension, an unbalanced tire, or other problems. Alignment can also be affected by incidents such as hitting curbs, potholes, or train tracks.

For further information regarding front axle alignment and tire balancing, refer to the vehicle's Operating Instructions.

Towing With the MODE

The Sprinter is rated to tow a maximum load of 5,000 lbs. The Transit is rated to tow a maximum of 4,100 lbs. Towing capacity may be less than the hitch rating based on the weight of your loaded vehicle.

When towing, do not exceed the GVWR, the rear axle GAWR, or the chassis GCWR by the combined loaded weight of the MODE and the towed item.

CAUTION

Towing will affect vehicle handling, durability, and fuel economy. Exceeding any of the listed Gross Weight Ratings will result in unacceptable overall vehicle performance and, potentially, danger.

Hitch Assembly

If a towing brake system is required, we recommend a modulated braking device versus a surge-style system. The actual tongue weight should never exceed the stated hitch vertical load. This is typically defined as the tongue weight of a towed vehicle hitch, boat trailer tongue weight, or a receiver-mounted carrier rack.

Tires

Your MODE was delivered with wheels and tires different from the original chassis and has a modified tire and wheel label in the driver door area with information regarding proper tire pressures.

NOTE: Improper tire pressure can cause abnormal or premature tire wear, as well as negatively affect vehicle handling and/or fuel economy.

The wheel lug bolts need to be checked and torqued periodically and also any time the wheels are removed and reinstalled. Sprinter-based MODE lug bolt torque specification is 133 ft.-lbs; Transit-based MODE LT lug bolt torque specification is 150 ft.-lbs.

The lug bolts for the custom Storyteller Overland wheels and the lug bolts for the stock Sprinter/Transit spare wheels are not interchangeable. In the Sprinter's* passenger footwell compartment near the jack, you will find:

- The special lug key for the custom Storyteller Overland wheels
- The stock lug bolts for the factory Sprinter/Transit spare wheel
- The lug bolt hex tool

**On the Transit, the jack and tools are located together in the passenger footwell compartment.*

Spare Tire

The wheels and tires supplied with your MODE Sprinter-based RV are different from the stock Sprinter spare, but the factory spare will work in an emergency. It is not recommended to use the spare tire for extended driving. *The Transit-based MODE LT does not come with a factory spare.*

Emergencies on the Road

Recovery Towing

Due to modifications of the RV from its original chassis specifications, notify the towing service of the height and weight of the RV as it may change how they recover the vehicle. This information is found on the Vehicle Certification Label inside the driver door area. Additionally, refer to the vehicle's Operating Instructions regarding towing the vehicle.

Jump-Starting

Refer to the vehicle's Operating Instructions for information on jump-starting.

⚠ WARNING

Batteries produce flammable hydrogen gas during charging. Any spark—particularly from jumper cables—can ignite the gas and cause the battery to explode. Extreme caution should always be taken when jump-starting a battery.

California Proposition 65 WARNING:

Battery posts, terminals, and related accessories contain lead and lead compounds, chemicals known to the state of California to cause cancer and reproductive harm. Always wash hands after handling.

Flat Tire on Moving Vehicle

In the event you experience a flat tire while your RV is moving, do your best not to panic, stomp/slam on the brakes, or jerk your foot off the accelerator. Instead, slowly and gently ease back on the accelerator. The deflated tire will slow the vehicle.

Further, the RV may pull towards the side with the failed tire. Firmly grip the steering wheel, and if necessary, counter-steer to compensate for the pull.

Let the vehicle coast to a stop, gently steering to a safe location. Then activate the hazard flashers before carefully exiting the vehicle. Set out flares or other warning devices before inspecting the tire.

Changing a Flat Tire

In the event of a flat tire or other roadside emergency, we recommend you seek the aid of a professional road service due to the weight and size of the vehicle.

If the situation requires you to change a flat tire yourself, be very careful and read the applicable information in your vehicle's Operating Instructions.

TIP: Using an accurate tire gauge, check your tires for proper inflation before each trip, as well as at least once a month.

Carbon Monoxide Warnings

Combustion engines emit carbon monoxide (CO) which can be harmful or deadly. Keep CO out of the cabin by maintaining the vehicle's exhaust and ventilation systems. In the event of any of the following, have your MODE's exhaust and ventilation systems inspected by a qualified RV service center:

- If the sound of the vehicle exhaust system changes
- When damage occurs to the exhaust, underbody, or rear of the vehicle
- When the vehicle is serviced

To allow for proper operation of the vehicle's ventilation system, keep the front grill clear of snow, leaves, or other obstructions.

⚠ WARNING

Do not occupy a parked vehicle with the engine running for an extended period. Do not run the engine in confined areas, such as a garage, except to move the vehicle in or out of the area.

Vehicle Maintenance

Your MODE's continued safe and efficient operation relies upon routine maintenance and service. These requirements are outlined in your vehicle's Operating Instructions.

⚠ WARNING

Operating, servicing, and maintaining this vehicle can expose you to various chemicals—including engine exhaust, carbon monoxide, phthalates, and lead—which are known to the state of California to cause cancer and birth defects or other reproductive harm. To minimize exposure:

- ***Avoid breathing exhaust.***
- ***Do not idle the engine except as necessary.***
- ***When servicing your vehicle, do so in a well-ventilated area, and wear gloves or wash your hands frequently.***

For more information, go to:
www.p65warnings.ca/gov/passenger-vehicle

SECTION 3

M-POWER™ ENERGY STORAGE SYSTEM

POWERED BY VOLTA

> Your MODE is equipped with the M-Power Energy Storage System (ESS) which powers most electrical systems in the RV. The ESS is inside the enclosure on the passenger side at the rear of the RV. The ESS is independent of the vehicle's electrical system and does not provide power to the engine or chassis accessories.

The ESS is comprised of three voltage systems: 12V DC system, 58V DC system, 110V AC system. It can be charged three ways: 30A shore power connection, auxiliary alternator attached to the vehicle engine, a solar panel on the roof.

See Operating the M-Power ESS—Charging *at p. 19 for details.*

Electrical Cautions

⚠ WARNING

Careless handling of electrical components can be fatal. Never touch or use electrical components or appliances while: feet are bare, hands are wet, standing in water, or standing on wet ground.

When working with any of the MODE's electrical components, please note the following:

- Never use a standard extension cord for shore power connections. Only use an RV-rated 30A extension cord no longer than 50 feet.
- Be sure all electrical appliances use 3-prong plugs for proper grounding. Improper grounding can cause personal injury.
- Avoid overloading electrical circuits. Replace circuit breakers with those of the same size and amperage rating only. Never use a higher-rated breaker.

⚠ WARNING

Never drill or screw into the passenger side electrical cabinet covering the M-Power System. Injury and/or damage could occur.

12-Volt System & Components

The 12V system is powered by the converters from the M-Power system. This system powers the 12V outlets,

interior lights, awning, MODE COM, exhaust fan, refrigerator, and heating system.

NOTE: To run the 12V system, the M-Power system must be on.

The inverter does not need to be on for the 12V system to operate, but many of the larger appliances only work when the inverter is on. See *110-Volt System & Components / Inverter* below for information on how to turn the inverter off to save power.

12-Volt Protection

Your MODE is equipped with power distribution modules (PDMs). In the event of an overcurrent or short circuit, the PDMs automatically disables the circuit.

To attempt to reset the system, turn it off, wait 30 seconds, and then turn the system back on. If the issue persists, contact Storyteller Overland.

58-Volt System & Components

The M-Power system has a 58V energy storage pack. The 58V portion of the system is not compatible with 12V electronics and should never be tampered with, modified, or used in any way other than as designed by Volta and Storyteller Overland.

⚠ WARNING

Tampering with the M-Power system may cause damage to the system and create an unsafe condition.

110-Volt System & Components / Inverter

The 110V system is powered through an inverter, receiving energy from the M-Power system or from shore power. The inverter sends power to the 110V wall outlets, refrigerator, cooktop, rooftop A/C, and microwave. To run the 110V system, the M-Power system and inverter must both be on.

NOTE: The M-Power system comes on automatically when the RV is plugged into shore power and will not turn off until disconnected or shore power is interrupted.

The inverter consumes energy, so it can be switched off when not needed. To conserve energy and keep the refrigerator cooling, the inverter can be turned off as the refrigerator can also get power from the 12V system.

The inverter is turned on and off through the Volta screen. On the home screen, tap the  icon, and then toggle the inverter on or off.

110-Volt Breakers

The 110V system has circuit breakers to help protect the system. If too much power is drawn by a device plugged into the 110V system, a breaker will trip and power will be cut to that circuit. Tripped breakers can be reset to restore power to the circuit.

There are two breaker locations. The first is in the hatch labeled *Branch Breaker* located on the large side of the electrical cabinet facing into the garage area. The electrical cabinet is located in the rear passenger-side garage area of the vehicle. The second set of breakers are on the inverter, accessible through the round *Main Breaker* access port on the back of the power system enclosure.

NOTE: The M-Power warranty may be voided if any component of the M-Power ESS is altered or tampered with in any way.

GFCI Circuits

The 110V outlets are protected by a ground-fault circuit interrupter (GFCI) built into the inverter and accessed through the *Main Breaker* port at the back of the power system enclosure. On the outlet beside the outdoor table, there is a separate GFCI circuit just for electrical components in the galley. These two breakers should be reset and tested monthly.

⚠ WARNING

The GFCI may not completely eliminate the risk of electrical shock. Consider child-proofing plugs if children are present.

Chassis Battery

The chassis battery is independent from the M-Power system and powers components such as the engine, dash, lights, and other chassis accessories. Refer to your vehicle's Operating Instructions for more information.

Operating the M-Power Energy Storage System (ESS)

Turning On the M-Power ESS

Press the round Volta power button. When turning M-Power on, the button will flash briefly and illuminate green. The Volta screen will illuminate as well, showing the State of Charge (SOC), the amount of usable energy available.

NOTE: The M-Power system comes on automatically when the RV is plugged into shore power and will not turn off until disconnected or shore power is interrupted.

Turning Off the M-Power ESS

Press the round Volta button. The button will flash momentarily while the system shuts down. Once fully powered down, the Volta button light and Volta screen will turn off.

TIP: Do not rapidly cycle the M-Power system on and off which can damage the system. Wait at least ten seconds between turning the system on and off.

Do not turn off M-Power while the engine is running. If the engine is running when Volta is turned off, the system will not completely turn off. The button will blink green if Volta is turned off while the engine is running, but the 110V and 12V systems will be shut down. Cycle the Volta power button again to activate 110V and 12V systems, as needed.

NOTE: While plugged into shore power, the 110V system will be active even if the inverter is off.

NOTE: Anytime the M-Power system is off, the refrigerator will defrost. You must take precautions to absorb water caused by the defrosting refrigerator/freezer. Failure to do so can damage the galley or other parts of the vehicle and will not be covered under warranty.

Checking M-Power ESS Levels

The Volta screen shows the amount of usable energy available, both the SOC and estimated time remaining.

Charging

The M-Power ESS has three ways to charge:

- a shore power charging port
- an auxiliary alternator
- a supplemental solar charging system

NOTE: If the M-Power charge is depleted, do not attempt to restart

without following the system recovery procedure set out in Recovery from Zero State of Charge (SOC) *on p. 21.*

1. Charging Via Shore Power

Plug the provided 30A shore power cord into the 110V/30A port on the driver side of the vehicle.

NOTE: Any shore power cord used to charge the M-Power system or to power the RV must be 110V/30A and must not exceed 50 ft. in length.

When plugged into shore power, the inverter/charger will automatically test incoming power to ensure certain requirements are met. If incoming power meets the requirements, the system will automatically begin charging, when needed.

If the system does not accept power, the cause is likely poor-quality incoming power or the shore power cord may be plugged into an electronic surge protector.

NOTE: Some electronic or processor-based surge protectors create a conflict causing the system to reject the power source.

When connected to shore power, the system will provide power first to accessories drawing power from the system. The remaining current is then used to charge the system. If electrical loads exceed the total shore power current available, it can cause the shore power circuit to trip. Also, if electrical loads exceed the maximum branch amperage, the system will not charge. *See* Adjusting the Shore Power Charge Rate *next for details.*

Adjusting the Shore Power Charge Rate

The charger has an adjustable incoming charge rate controlled through the Volta screen. If the shore power breaker trips while charging, lower the charge rate in 5A increments to accommodate rated incoming power. Example: When plugged into a 15A power source, the optimal setting would be 10A.

To adjust shore power charge rate settings:

1. On the Volta screen, press the  icon to navigate to *Inverter Status.*
2. Adjust the charge rate using the red arrows.

When connected to a stable and dedicated 110V/30A power source, like at some campgrounds, you should be able to use the full 30A charge rate, but be careful not to exceed the shore power circuit limit.

2. Charging Via Auxiliary Alternator
The auxiliary alternator is powered by the engine and starts charging above 1500 RPM.

⚠ WARNING

Due to exhaust fume hazards, never run the engine inside an enclosed space.

3. Charging Via Solar Panels
The MODE has a 90w solar panel that adds energy into the ESS when there is sufficient sunlight and the system is on. There is an additional port to add additional solar panels. The system is rated for a total of 600w.

Recovery from Zero State of Charge (SOC)

If the M-Power system reaches zero SOC, the system will enter a protection mode and shut off. The system will not operate, recharge, or function while in low power protection mode. Do not restart the Volta system without applying a charging source. Doing so will drain the system further, requiring a professional service recovery.

Zero SOC Recovery Procedure: Option 1
Turn off all appliances and system draws. Turn the M-Power system off. Plug the vehicle into shore power and confirm shore power charge rate is set correctly; recovery charging will begin automatically. Continue charging until the SOC screen indicates at least 20% charge. Fully charge the system as soon as possible.

Zero SOC Recovery Procedure: Option 2
Turn off all appliances and system draws. Turn the M-Power system on. Start the vehicle. Immediately raise and hold the engine RPMs over 1500 for at least five minutes. Drive the vehicle maintaining at least 1500 RPM to charge the system until the SOC indicates a minimum 20% charge (or more). Fully charge the system as soon as possible.

NOTE: Solar charging will not produce enough current to recover the system from zero SOC.

Storing the M-Power ESS

Properly storing your M-Power system is vital to its continued reliable service. If you anticipate not using your MODE for a few days, use one of the two storage options on the following page.

CAUTION

Improper storage of your MODE may damage the M-Power ESS.

NOTE: Anytime the M-Power system is off, the refrigerator will defrost. You must take precautions to absorb water caused by the defrosting refrigerator/freezer. Failure to do so can damage the galley or other parts of the vehicle and will not be covered under warranty

Storage Options & Procedures

NOTE: Storage at elevated temperatures is not recommended and may reduce the life of the ESS. If the M-Power system experiences internal temperatures above 125°F, the ESS will protect itself by turning off.

Option 1: Long-Term Storage With Shore Power Connected

1. Determine the circuit breaker rating of the shore power connection and set the charge rate using the Adjusting the Shore Power instructions on p. 20.
2. Turn off M-Power.
3. Turn off unnecessary 12V and 110V electrical loads.
4. Connect the shore power cord.

NOTE: The M-Power system turns on when connected to shore power. If shore power gets interrupted, the system will automatically shut down.

NOTE: If storing the vehicle in cold temperatures, see M-Power System Cold Weather Management & Storage *on p. 24.*

NOTE: Only use Option 1 for storage if the system is frequently monitored to ensure shore power is always present.

Option 2: Long-Term Storage Without Shore Power Connected

1. Charge the M-Power system between 75% and 90% SOC.
2. Turn off all electrical loads.
3. Turn M-Power system off.

4. Check the system every 30 days by turning the M-Power system on, verifying the SOC is above 75%, and then turning the M-Power off.

5. If the system drops below 75%, plug into shore power to recharge. Unplug once sufficient charge has been reached.

NOTE: If storing the vehicle in cold temperatures see M-Power System Cold Weather Management & Storage *on p. 24.*

M-Power ESS Service & Maintenance

Except for extended storage, no maintenance is required for the Energy Storage System. If any components of the M-Power system experience a breach of container integrity or are submitted to operating situations causing damage (such as crush, short circuit, overcharge, fire, etc.), contact Storyteller Overland.

M-Power Troubleshooting

Volta Screen Indicators

In the event there is an issue in the M-Power system, this icon allows the customer to see basic fault codes. Contact Storyteller Overland for further instruction and fault documentation.

The "Settings" button allows management of the following functions:

- change the temperature unit of measurement (°F/°C)
- set the time
- adjust screen brightness
- adjust screen theme
- manage screen setup

The remainder of the selections under "Settings" are for Volta/tech use only.

This icon puts the Volta screen to sleep.

NOTE: Only approved technicians may service the M-Power Energy Storage System.

Power Button Will Not Illuminate

If the Volta button does not illuminate green after being pressed, the system may have detected a fault.

NOTE: Power may still be distributed via shore power through the inverter to the van.

To resolve the issue, try the *Zero SOC Recovery Procedures* on p. 21. If these do not work, contact Storyteller Overland.

Power Button Illuminated – No 12V Power

If the Volta button is illuminated green but no 12V power is available, contact Storyteller Overland for service.

Power Button Illuminated – No 110V Power

If the Volta button is illuminated, but no 110V power is available, the inverter may be off or one of the breakers may be tripped.

M-Power System Cold Weather Management & Storage

Proper planning and familiarity with the M-Power Energy Storage System (ESS) will help as you use the MODE in cold weather. The ESS has a heating system to help keep the energy pack core at proper operating temperature when used properly. The system is also capable of withstanding below-freezing temperatures and will discharge as normal. However, if the core temperatures are too low, the system will not take a charge. Below are some common scenarios you may experience in the cold, whether using the MODE daily or when in storage.

Frequent Use

When driving your MODE daily or keeping it prepped for a weekend adventure, the following tips can help ensure a successful, worry-free experience. There are two ways to ensure the ESS heating system is doing its job:

1. Use the M-Power ESS + Inverter. Keep M-Power and inverter on and the ESS heating system will maintain proper core temperature.
2. Use shore power. With M-Power off first, plug your MODE into shore power and allow the system to automatically maintain proper core temperature.

Always carefully monitor your State of Charge (SOC) gauge. Keep the SOC above 10% and make sure it is not slowly blinking blue. *If needed, see Warming the M-Power System from Below-Freezing Temperatures below.*

Note: The explanation of what the slowly blinking blue means does not occur until below.

Unmonitored Cold-Weather Storage

To store your MODE in the cold for an extended period, do not connect shore power. Charge the M-Power system to at least 80% SOC. Turn off all electrical items, then turn off the M-Power system. Every 30 days, be sure to check that the SOC is at or above 75%. The M-Power system can be turned on to check the SOC. If the system is too cold, it may not operate; this is normal. System functions will resume when the system's internal temperature is above freezing.

Warming the M-Power System from Below-Freezing Temperatures

If the internal temperatures drop below freezing, there are steps to properly bring the system back to operational temperature. A slowly flashing blue SOC gauge and a *snowflake* icon on the Volta touchscreen is your first indicator the system is too cold. Typically, using the system with the inverter on OR using shore power will allow the system to properly warm and begin charging. Take note of the SOC before beginning any warming procedure. Due to the power required to run the inverter and heating system, if your SOC is very low or depleted, it is possible to completely discharge the ESS before it can receive a charge, whether on or off shore power. If the ESS is fully depleted and too cold to charge (SOC gauge flashing blue), the only way to heat the pack is to increase the cabin temperature or get the vehicle to a warmer environment.

If equipped, do not plug the heating pad directly into an outside source which can overheat and damage the M-Power pack.

Note: If the system drops below -13 degrees Fahrenheit, the push-button LED flashes yellow, the SOC gauge flashes blue, and there is a snowflake icon displayed on the Volta Screen.

Warming with Shore Power

The preferred method to warm the system in cold temperatures is to use shore power.

1. Make sure the M-Power is off before connecting to shore power.
2. Once shore power is connected, check the SOC. Be sure the SOC is above 10%.
3. Allow the system to warm up and begin charging the M-Power system. Monitor the SOC until the gauge is green.

Additionally, in extremely low-temperature situations (core temperatures of -4°F or below), the system may enter a *Cold Fault* state, noted by the SOC gauge flashing RED constantly. Disconnect shore power, turn the M-Power system off, and increase the cabin temperature or get the vehicle to a warmer environment.

Warming with M-Power

The M-Power system may be used if shore power is unavailable to warm the cold system. This method requires constant monitoring of the SOC to prevent complete discharge. Check your SOC before beginning to warm in this method. If SOC is at 10% or below, do not attempt to warm.

1. Turn M-Power on. Allow the heating system to automatically bring the M-Power system to operating temperature.
2. Monitor the SOC until it turns green. The colder the system is, the longer it will take to reach operating temperature.
3. If the pack fails to reach operating temperature in time and drops to 10% or less SOC, turn the M-Power off and either plug into shore power, increase the cabin temperature, or get the vehicle to a warmer environment.

SECTION 4

MODE COM SCREEN

> Your vehicle is equipped with a MODE COM screen where you can monitor and control many of the MODE's systems, as set out in more detail below.

Interior & Awning Lighting

Except for the vehicle's stock interior lights, the M-Power ESS must be on to run the interior lights (and most other accessories).

The main interior lighting is divided into the following zones:

- cabin (overhead) lights
- under-cabinet reading lights
- cargo area lights
- awning lights

All of the lighting can be accessed on the MODE COM screen by tapping the *Lighting* icon on the bottom of the screen. Then, simply toggle the desired lighting on/off by pressing the appropriate icon and adjust the brightness of each by using the adjacent slider.

There is also a *Master Light* icon on the MODE COM screen where you can turn on/off or dim all the lights at once.

Presets & Chill Mode

The MODE COM provides two preset options on the *Lighting* screen to allow users to save two different lighting preferences. To program a preset: adjust lighting as desired, press *Save to Preset*, and then press either *Preset 1* or *Preset 2*.

Pressing the *Chill Mode* icon automatically dims all lights for a chill atmosphere in your MODE. You can also save your own version of *Chill* just like the other presets.

NOTE: The interior and awning lighting can also be controlled by their individual switches described in Interior & Awning Lighting Switches *at p. 31.*

Cabin Climate Control System

Your MODE's cabin climate is controlled on the MODE COM screen. Many basic functions can be performed directly from the home screen. More advanced functions can be performed on the climate screen, accessed by tapping the *Climate* icon on the home screen.

Magic Climate

Magic Climate is an advanced feature that helps maintain desired temperatures by selecting either heat or A/C automatically. To utilize the Magic Climate:

1. Tap the *Climate* icon.
2. Then tap the *Magic Climate* icon.
3. Utilizing the up/down arrows, select your target temperature.
4. Once selected, the system can take several minutes to change modes automatically.

NOTE: The M-Power system and the inverter must be on for the A/C system (and thus for Magic Climate) to work.

Air Conditioner

To operate the MODE's cabin air conditioner:

1. Make sure 110V power is available from shore power or make sure inverter is on.
2. From the MODE COM home screen, tap the A/C icon.
3. Using the arrow keys, select your desired target temperature.

NOTE: A/C functions and advanced A/C settings can be accessed from the Climate *screen.*

Air Conditioner Filters

The A/C system has integrated air filters which should be checked and cleaned frequently, especially in dusty environments. They are located on the underside of the air conditioning shroud and are serviceable from inside the vehicle.

For further information, refer to the manufacturer's instructions.

Vent / Exhaust Fan

The MODE has a roof-mounted fan which is also controlled on the MODE COM screen.

To operate the vent / exhaust fan:

1. From the home screen on the MODE COM, tap the *Vent* icon.
2. Select desired fan speed, air flow (in/out), vent cover (open/closed), or Auto.

NOTE: The fan Auto function will target 70°F. and will open/close and ramp fan speed automatically based on cabin temperature.

NOTE: The fan has a rain sensor that will close the cover if it senses moisture. MODE COM will ask if you want to override this function, which will automatically reset after 30 minutes. Once the rain sensor is overridden, be careful as rain/water can enter the cabin.

Heating

To operate the MODE's cabin heating system:

1. From the home screen, tap the *Heat* icon.
2. Select your desired target temperature.
3. From the *Climate* screen, select additional options, including fan speed and Eco or Comfort furnace setting.

NOTE: When using the Eco setting, the furnace shuts down when the target temperature is reached. In the Comfort setting, the furnace stays on to keep the heating system at temperature, which is quieter, but less efficient.

NOTE: While the M-Power system must be on to use the heating system, the inverter can be off.

For more details, see Heating System *at p. 31 of this User Guide.*

Water System Controls

On the MODE COM home page, there are two water system icons: WATER PUMP and HOT WATER. These are discussed in Section 7: *PLUMBING/WATER SYSTEMS*, p. 52 and 54, respectively.

Tank Levels Monitoring

The freshwater and gray water tank levels are monitored on the MODE COM home screen. When the freshwater tank is below 20% or the gray water tank is above 80%, a warning box will appear on the home screen and the ⚠ will light up.

NOTE: The warning box can be dismissed, but the ⚠ will remain illuminated until the tank level is rectified.

MODE COM Screen Troubleshooting

When the Volta button is pressed, MODE COM will illuminate within a few seconds. If not, check the circuit breaker by accessing the rear electrical panel on the end of the ESS enclosure at the rear of the garage area on the passenger side. Unscrew the round circuit breaker cover by twisting it counterclockwise. Reach inside and press the circuit breaker at approximately the 7 o'clock position.

SECTION 5

INTERIOR FIXTURES/ FEATURES

In this section, the MODE's array of interior fixtures and features are detailed. These are designed not only to meet your needs while on the trail, but also to provide you with the greatest level of comfort.

Interior & Awning Lighting Switches

In addition to controlling the interior and awning lighting from the MODE COM screen *(see* Interior & Awning Lighting *at p. 27)*, each area can be controlled by their individual switches (or buttons) as follows:

- Cabin (overhead) lights—on the galley face
- Under-cabinet reading lights—by pressing on the center of each light
- Cargo area lights—on the back of the power enclosure facing the passenger-side rear door
- Awning lights—on the galley face
- Master light—located to the right of the steering wheel on the Sprinter, and to the left on the Transit

When using these switches, the following functions are available:

- Single tap—turns off/on (back to last setting)
- Double tap—returns to full brightness
- Press & hold—dims (not available for under-cabinet reading lights at switch)

Heating System

Your MODE has a heating system used to heat the cabin air and the water; it can also keep plumbing from freezing in cold weather.

The heating system uses fuel from the vehicle to fire a small furnace for heating cabin air, and a heat exchanger for heating water. The heating system can also use heat from the vehicle's engine.

Furnace

The MODE's fuel-fired furnace monitors itself during operation. If the furnace does not start properly, it will pause and attempt to restart. If the furnace sees certain conditions, it will record a Fault Code and stop attempting to restart.

The interior lights may flicker slightly while the furnace starts and shuts down; this is normal.

NOTE: The furnace will not operate with the vehicle's fuel level under ¼ tank.

⚠ WARNING

Always turn off the heating system before refueling to minimize fire risks.

NOTE: Do NOT turn off the M-Power system when the heating system is on. Wait at least three minutes after turning off the cabin heat or hot water for the furnace to properly shut down.

Furnace Diagnostics/Troubleshooting

The MODE furnace is Wi-Fi equipped to provide the following:

- Live data to help troubleshooting
- A fuel pump prime function

To access furnace data and functions via Wi-Fi:

Main Furnace Info Page

1. Hot water must be enabled. *(See* Hot Water *at p. 54 of this User Guide.)*
2. On your Wi-Fi enabled device, smartphone, tablet, or laptop, go to "Settings" and select the "Rixen000000" network.
3. The default password is: 12341234
4. Once the connection is made, open a web browser and type the following URL into the address bar: http://10.10.10.10

Furnace Live Data:

- ***Heater Status:*** Shows "Active" when a start signal has been applied to the heater

- ***Runtime:*** Shows the total time a start signal has been applied
- ***Fan-Glow-Fuel***
  - ***Left Value:*** Combustion fan speed (in RPMs)
  - ***Middle Value:*** Glow plug energy (in watts)
  - ***Right Value:*** Fuel pump frequency (in Hz)
- ***Inlet Temp:*** Temperature of the water/glycol at the input hose in °C or °F
- ***Outlet Temp:*** Temperature of the water/glycol at the output hose in °C or °F
- ***Flame Sensor:*** Temperature of the flame sensor in °C or °F
- ***Voltage:*** Voltage as measured by the furnace in volts (V)
- ***Air Pressure:*** Displays barometric pressure
- ***Furnace Fault Codes:*** Will show codes (if any); normal operation is "000-No Fault"
- ***Reset Fault Codes:*** Will erase/reset fault codes

Switch between pages using the ☰ symbol.

Furnace Settings:

- ***Wi-Fi Security Setup:*** Use to change the name of the Wi-Fi access point
- ***Temperature:*** Select Celsius or Fahrenheit
- ***Device Information:*** Displays current Wi-Fi settings

Furnace Settings Page

Prime Furnace Fuel Pump

NOTE: Do not use this function unless directed by a technician.

Using Engine Heat

When driving, using engine heat is an efficient way to heat the cabin and help prevent the plumbing from freezing. When *Hot Water* is selected and the vehicle's engine is at operating temperature, the MODE selects engine heat automatically to keep the heating system warm.

NOTE: If driving in freezing conditions, leave hot water on to circulate warm glycol around the gray water tank.

Appliances

Storyteller Overland only uses appliances which meet or exceed applicable standards. Please read the applicable manufacturer's instructions for each appliance before using it.

Refrigerator

The M-Power system must be on for the refrigerator to cool, either using 110V AC or 12V DC current. If the inverter is on, the refrigerator will draw power from the 110V AC power supply. If the inverter is off, the refrigerator will draw power from the 12V DC power supply.

The inverter uses energy, so if no other 110V appliances are needed, turn the inverter off to save energy.

Basic Refrigerator Operation

First ensure that the M-Power is on. To turn the refrigerator on, set the desired temperature using the turn knob inside the refrigerator.

- 7 = max cool
- 1 = least cool
- 0 = off

Allow the refrigerator to adequately cool before placing anything inside.

Defrosting

From time to time, the refrigerator and/or freezer may form ice and need defrosting. To defrost the refrigerator:

- Empty the refrigerator.
- Turn off the refrigerator.
- Keep the door fully open until all ice is melted.
- Wipe up all excess moisture.

CAUTION

Any time the M-Power ESS is off, the refrigerator will defrost. Use towels to prevent water damage.

For complete operating instructions, refer to the refrigerator manufacturer's user guide provided.

Cooktop

The MODE's induction cooktop is stored in the top drawer of the galley for use on the galley countertop, the outside table, or elsewhere it is safe from tipping.

The cooktop runs on 110V electricity, so both the M-Power system and the inverter must be on to use the cooktop.

NOTE: Induction-compatible cookware is required.

Refer to the cooktop manufacturer's user guide provided as needed.

Microwave

The microwave runs on 110V power, so both the M-Power system and the inverter must be on to use the microwave.

Refer to the microwave manufacturer's user guide for detailed instructions as to its use.

Sleeping & Seating Systems

CAUTION

The operation of the sleeping and seating systems in your MODE can create a pinch hazard; use care when moving any of these features.

See Pinch Hazards *at p. 64 of this User Guide for more details.*

Dreamweaver™ Bed System / Convertible Work Surface

The Dreamweaver is a foldaway bed system that can also be used as a work surface. Although the Dreamweaver can be in any configuration (sleep, work, or garage) while the vehicle is in motion, it should never be used when the vehicle is moving (i.e., for sleeping, reclining, working, sitting, etc.).

NOTE: The Dreamweaver has a maximum load rating of 300 lbs. per side.

Setting Up the Dreamweaver Bed

1. Beginning with the driver side, open the support legs so they are perpendicular to the bed frame.
2. Release the driver side frame strap and slowly let the bed down. Do NOT let the bed drop on its own.

CAUTION

Letting the bed system down without the support of both legs may cause damage.

3. Align the support legs so they drop into the recesses in the floor. These recesses ensure the legs cannot fold in while the Dreamweaver is in use.
4. Release the passenger side frame strap and slowly let the bed down. Again, do NOT let the bed drop on its own.
5. Place the secondary cushions between the main cushions and the flares of the vehicle.

Setting Up the Dreamweaver Work Surface

Follow previous steps 1-3 (Setting Up the Dreamweaver Bed) and remove the cushion to access/use the work surface.

GrooveLounge™

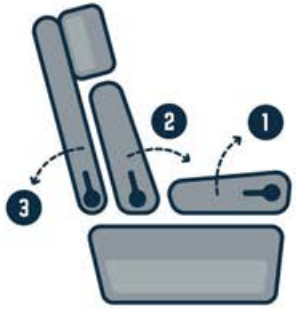
The GrooveLounge can convert from a bench seat into a sleeping surface or a lounge.

NOTE: If the GrooveLounge is occupied while the vehicle is in motion, it must always be in the full upright riding configuration with all passengers seat belted.

Orienting the GrooveLounge for Sleeping

When unfolding the GrooveLounge, position the driver seat to give the GrooveLounge room to unfold. If the GrooveLounge and driver seat impact each other, damage can occur. Once the driver seat is swiveled and in its proper position (as far from the GrooveLounge as possible), consider setting this as the driver seat memory #3 for future convenience.

1. While lifting up on the handle for the base seat cushion, lift up on the cushion and rotate it forward, being careful not to impact the driver seat.
2. While rotating the lower back cushion handle counterclockwise, rotate the lower back cushion forward into the place previously taken by the base cushion.



3. While rotating the rear back cushion handle clockwise, rotate the rear back cushion toward the rear of the vehicle.

NOTE: The rear back cushion should be lowered into position by hand. Letting it drop under its own weight can damage the internal components.

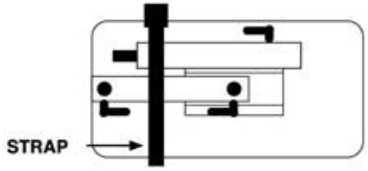
Dinette Table

The MODE has an adjustable table mounted to the driver side wall in front of the GrooveLounge.

The table system has four parts:

1. A wall bracket mounted to the vehicle
2. A vertical arm or mast to set the height of the table
3. A horizontal arm that allows the table to swing out of the way
4. A tabletop with mount

Correct Storage Orientation

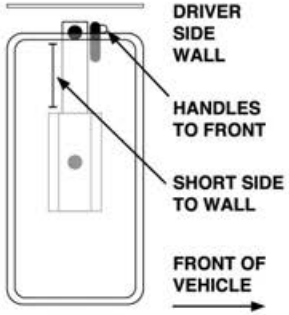


ALWAYS SECURE WITH STRAP.

TABLE MUST BE STORED AND SECURED WHEN VAN IS IN MOTION. SERIOUS HARM CAN OCCUR.

DO NOT OVER TIGHTEN HARDWARE.

Correct Installed Orientation



NOTES:

- *The dinette table can only support up to 15 lbs. Do not rest against or lean on the table. Overloading the table may cause damage to it and/or the van.*
- *While the vehicle is in motion, the dinette table should never be left in the assembled position; instead, it should be stored and secured behind the GrooveLounge.*
- *Do not overtighten the table hardware. The horizontal arm is not designed to keep the table from rotating or swinging. Attempting to tighten the hardware to prevent rotating can damage the table.*

Care of Interior Surfaces

The MODE was built with durable, high-quality materials. Some have specific requirements for cleaning and care, but always use common sense when cleaning and maintaining your vehicle.

Please read the sections below for suggested care methods for your vehicle's interior surfaces.

NOTE: Due to the wide array of cleaning products on the market, we recommend testing any product on a small inconspicuous area first.

Plastics

As a general rule, use mild soapy water and a soft rag for most cleaning of interior plastics. For tips on cleaning areas like the dash and door cladding, check the vehicle's Operating Instructions.

Woven Fabric-Covered Walls

The woven wall materials naturally resist stains and dirt. They are also mildew-resistant, non-allergenic, and static-resistant. We recommend mild soap and water for most stains and spills. Commercial cleaning agents can be used for removing oil-based or stubborn stains.

Rear Bed Cushions

The rear bed cushions in the vehicle are covered with the same woven fabric as the walls and can be cleaned in the same way. However, before cleaning the cushions, it is advised that the covers be removed.

NOTE: Each cushion of the Dreamweaver Bed System is a different size; therefore, each cushion cover will fit only one cushion correctly.

Headliner & Lower Wall Vinyl

The vinyl material in the MODE is designed for high-mess areas. For common stains like food, make-up, suntan lotion, or crayons, wipe up the excess mess and then clean with a soft, clean cloth using soap and warm water. For more stubborn stains, cleaners like Formula 409® can be used, followed by rinsing with water and drying with a soft, clean cloth.

For oil-based stains and disinfecting, use a 1:4 mixture of bleach and water, followed by rinsing with water and drying with a soft, clean cloth. Avoid getting bleach solution on other materials as it may cause accidental damage.

⚠ WARNING

Bleach contact with skin and eyes can cause injury.

GrooveLounge Covers

The GrooveLounge covers are easily wiped down for cleaning. You should only need to use mild soap and water. Never use citrus-based cleaners as they tend to dry out the material, causing damage over time.

Cabinet & Galley Laminates

Clean the laminate surfaces of the cabinets and galley with a soft (non-abrasive) cloth using mild soap and water. Do not use cleaners containing alcohol, solvents, or abrasives.

Solid Surface Countertop Material

Cleaning the countertop usually only requires a damp cloth and a mild cleanser. Abrasive cleaners may dull the finish. Avoid using strong acidic cleaners like those designed for drains, toilets, or ovens.

Although the countertop can withstand temperatures up to 225°F, prolonged or extreme heat can cause yellowing. Stubborn stains—like food dye, tea, and fruit drinks—can be removed with full strength bleach followed by a general cleaner flushed with water. Be sure not to let bleach remain on the surface for more than five minutes.

If a lit cigarette should come into contact with your countertop, a scorch mark can occur. In this instance, use an abrasive cleaner or buff in a circular motion with a Scotch Brite® pad to remove.

NOTE: Any use of abrasives to clean surfaces or remove stains will likely change the finish appearance of the cleaned area. The countertop surface can be professionally repolished if necessary.

Flooring

Cleaning the flooring with soapy water and a soft cloth usually works best. Do not use cleaners like ammonia or bleach as they can damage the finish.

Always check the label of your cleaning products to confirm the suitability for vinyl flooring with an acrylic or urethane finish.

Smoke & Carbon Monoxide Alarm

Your MODE is equipped with an alarm that will sound if it detects smoke or carbon monoxide in your vehicle. This system should be tested after the vehicle has been in storage, before each trip, and frequently during use by pressing the TEST/RESET button on the alarm.

NOTE: Storyteller Overland does not activate the smoke and CO detector; the owner is responsible for doing so before the vehicle is put into use.

Removing Cargo Area Cabinets / L-Track Slide Studs

The cargo area cabinets are removable for more room and to access the L-Track system behind them. To remove/reinstall the cabinets and/or remove the L-Track sliding studs, please see the following instructions.

CAUTION

The weight limit for the contents of each cabinet is 50 lbs. The weight limit for mounting anything to the roof or wall is 50 lbs. Exceeding these weight limits may damage the van.

NOTE: You will need a helper and the following tools/supplies: a ratchet, a 6" ratchet extension, a 7/16" socket, a container for nuts, washers, masking tape and a marker for labeling.

CAUTION

Ensure that the Dreamweaver™ bed is up and latched when removing the cabinets. If the bed unexpectedly folds down while removing the cabinets, injury or damage to the RV may occur.

To remove cabinet(s):

1. Open cabinet doors.
2. Using the two finger holes in the cabinet floor towards the front edge, remove the two cabinet floor panels. On the floor in the back, three studs with nuts and washers will now be exposed.
3. With the masking tape and marker, label each removed floor panel and then set them aside.
4. Starting with the stud closest to the front of the vehicle, remove the nut and washer, and place them into an appropriately labeled container.
5. Then, moving towards the rear, remove the remaining two nuts and washers, and place them into the same container.
6. Locate the gray connector at the cabinet's interior back corner. Press the latch of the connector (on the harness side) and pull the connector apart to disconnect it.
7. Next, on the interior roof of the cabinet, locate the three studs with nuts and washers. Starting with the stud closest to the front of the vehicle, remove the nut and washer; place them into the same container as the first three. *NOTE: These nuts and washers are interchangeable and can be stored together.*
8. Moving next to the rear stud (not the middle one yet), remove the nut and washer and place them into the same container.
9. With the assistance of your helper to support the cabinet, now remove the last/middle nut and washer; place them into the same container.
10. Still with the assistance of your helper, push the cabinet towards the interior wall of the vehicle and let the top of the cabinet drop down to an approximate 45° angle. Then pull the cabinet straight off of the studs, shut the cabinet doors, and carefully set it on the floor of the vehicle.
11. Store the cabinet, floor panels, and hardware (nuts and washers) in an appropriate location until ready to reinstall.

TIP: For ease with reinstallation, you may find it helpful to photograph the studs' locations upon cabinet removal.

To reinstall cabinet(s):

- Reverse the steps above for removing the cabinet(s).

Heed the following:

- Be sure to reconnect the gray connector. When doing

so, listen for the "click" and pull on it slightly to ensure a positive lock.

- When reinstalling the cabinet's floor panels, put the back panel in first, pressing it as far as it will go towards the rear. Then lower in the front panel and engage the Velcro.
- After the floor panels are reinstalled, close the cabinet doors to ensure the latch is engaged. If the latch does not engage, readjust the cabinet floor panel(s) until the latch engages.

To remove L-Track slide studs:

NOTE: For this procedure, you will need the following: a cordless drill with a Phillips bit or a Phillips-head screwdriver, five separate containers for hardware, and masking tape and a marker for labeling.

1. Once the cabinets are removed, fold down the Dreamweaver bed and remove the cushions.
2. Locate the two upholstered panels—two per side—that the L-Track runs underneath (at the rear of the vehicle).
3. Starting with the bottom panel, remove the two screws from the top and place them into an appropriately labeled container. Then remove the two from the bottom, and place them into their own, separate, appropriately labeled container. *NOTE: These screws are not interchangeable.*
4. Pull the top of the panel towards you, and then slide it out from the bottom. Set the panel aside.
5. Moving to the upper panel, remove the two screws from the top, and place them into another, separate, appropriately labeled container. Then remove the two wafer-head screws from underneath, and place them into their own, separate, appropriately labeled container.
6. Pull out the bottom of the upper panel, and then pull straight down to remove it. Set the panel aside.
7. Slide the L-Track studs towards the rear of the vehicle to remove them from the L-Track.
8. Place the studs into a separate container for storage until reinstallation.
9. To reinstall the upholstered panels, reverse steps #3-#6 above.
10. Use care when sliding/removing the studs to avoid damaging the wiring harness at the rear of the L-Track.

SECTION 6

EXTERIOR FIXTURES/FEATURES

The MODE has several exterior accessories to enhance your vehicle and add to your overall user experience. Please see below, as well as details for maintaining the MODE in tiptop shape.

Awning

The MODE has a retractable, powered, and lighted awning. In order to operate the awning and/or awning lights, the M-Power system must be on, but the inverter need not be.

The awning on the Sprinter-based MODEs is equipped with a safety override to ensure it cannot be accidentally extended while the vehicle is moving. If you wish to operate the awning while the engine is running, the parking brake must be engaged. If the vehicle is running and the parking brake is disengaged, the awning will retract. Transit-based MODEs do not have this safety override.

Extending the Awning

To extend the awning:

- Press the *Awning Arm* button on the galley face. This will keep the awning "armed" (i.e., able to be extended/retracted) for three minutes.
- Press the *Awning Out/Stop* button on the galley face and it will extend fully. Press it again while it is extending and it will stop at that location.

NOTE: Once the Awning Out/Stop, *is released, the awning will slightly retract to correct tension; this is normal.*

NOTE: Never extend the awning in gusty or windy situations.

Retracting the Awning

To retract the awning:

- Press the *Awning Arm* button on the galley face. This will keep the awning "armed" (i.e., able to be extended/retracted) for three minutes.
- Press the *Awning In/Stop* button on the galley face and it will retract fully. Press it again while retracting and it will stop at that location.

CAUTION

Items should never be hung from or tied to the awning as the additional weight could cause damage.

NOTE: Over time, the awning fabric can stretch and may need adjustment. The adjustment tool is included with the vehicle and located with the lugs and jack. Instructions can be found under Owner Resources at StorytellerOverland.com

Operating the Awning Lights

The awning lights can be controlled two ways: one, on the MODE COM screen; or two, with the *Awning Lights* button on the galley face.

MODE COM Screen

If you wish to control the awning lights from the MODE COM screen:

- Tap the *Lighting* icon at the bottom of the home screen.
- Select/tap the *Awning Lights* icon to turn lights on/off.
- If desired, adjust the brightness by using the adjacent slider.

Galley Face Button

- Single tap—turns off/on (back to last setting)
- Double tap—returns to full brightness
- Press & hold—dims

Fold-Out Exterior Table

The MODE has a fold-out table on the side of the galley that can be opened when the vehicle door is open. It uses magnets in the galley to hold it in the upright position.

NOTE: Always open the sliding door fully before opening the fold-out table or it can hit the sliding door.

NOTE: The fold-out exterior table can support up to 15 lbs. Do not rest against, lean on, or overload the table; this can damage the table and/or the van.

Roof Rack & Ladder

Your MODE is equipped with a roof rack for stowing gear and accessories up to 100 lbs. It is not advised to walk or stand on the rack.

The roof rack can be accessed with the permanently affixed ladder.

⚠ WARNING

Exercise caution when using the ladder and roof rack as they can be slippery from water, mud, ice, or debris. Slipping or falling can cause severe injury or death.

When stowing items on the roof rack, make sure everything is properly secured. Be advised that adding even small amounts of weight on the roof can affect the center of gravity and handling characteristics of the vehicle.

⚠ WARNING

Vehicles with a high center of gravity have an increased risk of rollover.

Auxiliary Power Circuit

The MODE has an auxiliary power circuit on the roof for installation of an additional electrical accessory. The connection end is used to cap the circuit, and pins are supplied with your vehicle to easily connect an accessory. The M-Power system must be on to power the auxiliary power circuit. The auxiliary power circuit can be switched on and off using the *AUX 1* button on the galley face.

NOTE: This auxiliary power circuit is a 12V DC circuit rated for 20A. Do not exceed 20A on the circuit or connect 110V AC accessories.

NOTE: An Auxiliary Power Pigtail can be purchased at StorytellerOverland.com

Exterior Care

Seals & Sealants

Sealants are constantly exposed to damaging conditions from the elements and from forces applied by driving. Water intrusion can severely damage an RV. Frequent inspections should be performed on the seals and sealants and, if necessary, maintenance should be performed immediately to keep water out.

- Seals and sealants should be carefully inspected at least every six months.
- Inspect all exterior openings, attachments, and accessories—including the rooftop air conditioner, roof rack, exhaust fan, and all other ports.
- Inspect all seals around all doors and windows and if damaged in any way, have them replaced immediately.

- All seals should be inspected for cracks, gaps, peeling or adhesion issues, and/or any other signs of deterioration. Running a finger along seals to check for proper adhesion is a good practice. If damage or deterioration is found, replace the seals or sealants.
- Frequently inspect the roof for damage or leaks.
- Always use the same sealant that was originally used. Storyteller Overland can provide the information and help arrange any service needed.
- If you notice water inside your van, immediately have it checked for leaks as this can cause significant damage.

NOTE: Delaying repairs to seals/sealants can result in damage to the interior of the vehicle and is not covered by the Storyteller Overland Warranty Policy.

Undercarriage

Dirt, road grime, and mud will collect on the underside of the vehicle and should be frequently cleaned with low pressure water. Further, debris can hold moisture and possibly road salts against the body of the vehicle, increasing the risk of rust and corrosion. Pay extra attention to cavities, horizontal surfaces, and other areas that tend to collect deposits.

NOTE: Road salts and pebbles are often added to winter roads to help with traction and, if possible, should be avoided. If these conditions are encountered, the vehicle and undercarriage should be washed as soon as possible.

CAUTION

Avoid high pressure water when cleaning the undercarriage as there are many components and seals that can be damaged by pressure washing.

Fiberglass

The side flares of your vehicle are fiberglass and should be inspected for damage and wear.

Small hairline cracks are a normal condition that may appear over time as a result of body flex caused by driving. However, monitor them to make sure that no water is intruding.

If any deep cracks or damage is located which has exposed the inner glass weave, these should be repaired immediately. Water damage—especially freezing water—can cause this type of damage to spread.

If you discover any areas where the flare panel may be pulling away or separating from the vehicle body, cover the opening (e.g., with duct tape) until a repair can be completed.

Exterior Finish

Automotive paint, glass, exterior cladding, and vinyl are all fairly durable but still should be treated with care. Use common sense and follow the tips below to keep them looking their best.

- Refrain from parking under trees. First, branches can damage roof-mounted accessories. Second, sap, bird droppings, and bugs can damage the vehicle's exterior; these should be removed as soon as possible using soapy water.
- Driving on gravel roads and unpaved trails can result in damage to your vehicle. Be cautious of rocks and debris thrown by the RV's tires or by those of other vehicles.
- Automotive fluids—such as antifreeze, fuel, and even window solution—should be cleaned immediately.

Washing

It is advised to wash your MODE frequently, not only to remove damaging substances, but also to keep it looking its best.

- Commercial car wash facilities should be avoided. One, the RV is oversized and may not fit. Two, the high-pressure water and spinning brushes can damage the vehicle.
- Wash your MODE with cool water out of direct sunlight, and never when the vehicle is hot. Do not use strong soaps.
- Treat decals like other painted surfaces, washing with mild soap and water.
- Be careful with high pressure water on seals, decals, and other sensitive areas. These areas are resilient and do not need much special attention, but high-pressure water can damage them.
- Water should not be aimed toward intakes, electrical outlets, appliances, or the seals around any appliances or accessories.
- After washing, inspect sealants and vents for damage or separation. See Seals & Sealants at p. 46 for more details.

Polishing & Waxing

Part of the maintenance of your vehicle should include polishing and waxing the exterior. This only needs to be done when water will not bead and run off easily, or, when the paint surfaces begin to look dull.

Waxing and polishing also help protect the paint from oxidation.

SECTION 7

PLUMBING/WATER SYSTEMS

> The MODE allows you all the conveniences of home even when out on the trail. You have access to water not only when hooked up to a city water system, but also when adventuring in remote areas. And in addition to your portable toilet and sink, there are two showers—one inside and one out.

Water Control Panel

Located at the left (driver side) rear of your MODE is the Water Control Panel which has the following functions/connections:

- Siphon port controls and connection
- Water pump control
- External water port controls
- Outdoor shower control and connection
- Access to low point drain and water pump filter screen

Operation of the Water Control Panel will be described in each respective area herein.

Freshwater Systems

The MODE's freshwater systems provide water to the sink and showers, either through the onboard freshwater tank or through an external freshwater source / city water connection.

Water Pressure Regulator

Always use a water pressure regulator when connecting to a pressurized water source to prevent pressures over 45psi from damaging the plumbing.

The water pressure regulator should be connected between the water supply hose and the freshwater (city water) connection port on the RV.

Water Filter

As the MODE does not have a water filtration system, it is recommended that an in-line style RV water filter be used when connected to any water source. This will assist with keeping debris out of the freshwater system.

Connecting To / Using City Water

1. Find the Water Control Panel at the left (driver side) rear of the garage area.
2. Turn the External Port valve control on the Water Control Panel to "City Water to MODE Fixtures."
3. Attach the water supply hose to the external Freshwater Connection port.
4. After ensuring that all water fixtures in the MODE are off, turn on the water supply to begin using city water.

Disconnecting From City Water

1. Turn off the city water supply.
2. Disconnect the city water hose from the vehicle.
3. Replace the city water connection cap.

Freshwater Tank

When a city water connection is not available, the MODE's 21-gallon freshwater tank and electric water pump can supply the fixtures with water.

NOTE: Only fill the freshwater tank or system with potable or purified water.

Filling the Freshwater Tank

The freshwater tank can be filled two ways: via city water or via the siphon port filling method.

NOTE: Before using the freshwater tank as a water supply, the interior water lines must be primed. See Priming Water Lines *at p. 53.*

City Water Method

Using city water to fill your MODE's freshwater tank is the most convenient method. To use the city water method:

1. Find the Water Control Panel located at the left (driver side) rear of the garage area.
2. At the External Port valve control, turn it to "City Water to Fill Freshwater Tank."
3. Hook up your water supply hose to the city water source.
4. Attach the water supply hose to the external Freshwater Connection port.
5. Turn on the water supply.
6. When the tank is full, turn off the water supply, disconnect city water supply hose, and replace the cap.
7. Turn the External Port valve to the desired use position.

Siphon Port Method

If you do not have access to city water, you can use the onboard water pump and a siphon tube to fill your freshwater tank. This method pumps water from an external container into the freshwater tank.

To use the siphon port method to fill the freshwater tank:

1. Turn on the M-Power system.
2. Find the Water Control Panel at the rear garage area and turn the Siphon Port valve control to Siphon Fill Freshwater Tank.
3. Turn the External Port valve to Use Freshwater Tank.
4. Place the open end of your siphon tube into your water container.
5. Connect the hose/siphon tube to the Siphon Fill Port.
6. Turn on the water pump and the water will begin to siphon into the freshwater tank.
7. Once the water container is empty, turn the water pump off and the Siphon Port valve back to the Normal Use position (up).

CAUTION

- ***Running the external water source dry can damage the water pump. Pay close attention to the water level in the container.***
- ***Failing to put the siphon port valve in the correct position will cause the pump to run continuously and damage the pump.***

Water Pump

Your MODE has an electric water pump. When connected to city water, the water pump is not needed. When using the freshwater tank, the water pump must be turned on.

When the pump is first turned on, it will prime the system by cycling for a few moments, then turn off once it has sufficient pressure.

NOTE: When the plumbing system is not in use, keep the water pump off to prevent draining the tank if a faucet is accidentally left open or if a leak develops.

Water Pump Controls

The water pump can be controlled three ways:

1. The *Water Pump* icon on MODE COM home screen
2. The *Water Pump* button on the GrooveLounge side of the galley
3. The *Water Pump* button on the Water Control Panel

Water Pump Operation

When the freshwater pump is in use (i.e., when accessing water from the freshwater tank), it will cycle on and off, based on demand, providing water pressure to the sink and showers.

NOTE: If all water faucets are closed and the pump continues to run, you are likely out of fresh water, or there is a leak in the system.

Priming Water Lines

Priming the water lines is required after filling the freshwater tank, but before using the interior water fixtures.

Priming the water lines:

1. Ensure that all drain valves—low point drains, freshwater tank drain, and gray water tank drain—are closed. *(See* Draining Water Systems—Freshwater Systems *at p. 56 for locations of these drains.)*
2. Close all faucets: sink, outdoor shower, interior shower.
3. Ensure the water pump is off.
4. Fill the freshwater tank.
5. Turn the water pump on.
6. Starting with the sink:
   a. Open the valve slightly on a cold temperature setting.
   b. Once the water stops sputtering, open the faucet fully on the cold setting.
   c. Once the faucet stops sputtering with the faucet fully open, turn off the faucet.
   d. Repeat a. through c. above for the hot water setting.
   e. Turn off the faucet.
   f. Press the *Hot Water Circ* button on the GrooveLounge side of the galley.
   g. After waiting until the *Hot Water Circ* light goes out, open the faucet slightly on the hot water setting.
   h. Repeat steps e. through g. until faucet stops sputtering (usually about 2 to 3 times).

7. Repeat step a. through e. for the Halo Shower and the outside shower port.
8. After all the faucets are closed, check that the water pump turns off. If the pump fails to turn off, then: a) a faucet or valve is open; b) there may be a leak in the system; or c) the tank may be empty.

After the water lines are primed, the freshwater tank and water pump are ready for normal use.

Hot Water

Turn on the hot water by tapping the *Hot Water* icon on the MODE COM home screen. When on, it will illuminate. The lights may flicker momentarily as the furnace turns on. It takes several minutes for the system to heat up.

When ready to use the hot water, circulate it throughout the vehicle before turning the water on by simply pushing the *Hot Water Circ* button on the galley. The light will automatically go out after 15 seconds indicating the hot water has been circulated.

When you are not in need of hot water, turn it off by tapping the *Hot Water* icon again.

NOTE: The furnace will not generate heat or hot water when the fuel tank is below ¼ tank. Attempting to fire the furnace when below ¼ tank will likely introduce air into the furnace's fuel delivery system requiring several re-start attempts after refueling.

Water Fixtures

Galley Sink / Macerator Pump

The galley sink uses a macerator pump to help drain gray water and small solids down the sink to the gray water tank. When water begins to back up into the sink, press and hold the *Sink Drain Pump* button on the galley side until the water drains out and the pump sound changes.

The macerator pump should only be used when there is water in the sink; it is not designed to run dry.

NOTE: Be careful that the sink faucet is not accidentally turned on when closing the sink cover.

Halo Shower™

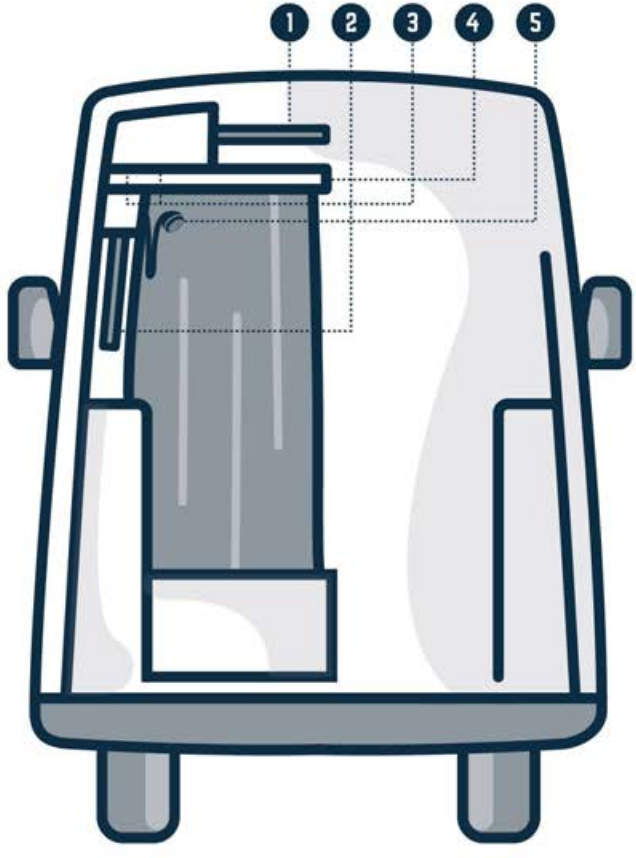
To use the Halo Shower:

1. Open the shower cabinet front panel.
2. Locate and release the lower panel screw latches to open the lower panel.
3. Release the shower curtain holding straps.
4. Holding the shower hose out of the way, pull the shower curtain frame outward.
5. Place the shower head and hose inside the curtain and hang them on the shower head holder.

After use, the shower head may continue to drip. This is normal and does not indicate a leak or defect. If stowed shortly after use with water remaining in the hose, this could cause damage to the cabinet, so drain the hose before stowing and allow the shower curtain and plumbing to drip dry.

Once the shower is dry and the shower head no longer drips, stow the Halo Shower:

1. Pull the shower head and hose outside of the shower curtain stall.
2. Push the shower curtain frame back into the shower cabinet.



3. Starting at the bottom, roll the dry shower curtain up to the shower curtain frame.
4. Using the shower curtain holding straps, secure the shower curtain and hose.
5. Fold the lower panel in place and secure with the latches.
6. Close the cabinet face.

NOTE: Although the shower curtain and shower areas are made from mold-resistant materials, it is advisable to dry the shower curtain and stall area before storing to prevent mold growth.

Drain Blockages

If the shower or sink begins to drain more slowly, it may be blocked.

Both of these drain lines are equipped with a waterless drain trap to prevent sewer gases from escaping. The waterless drain traps must be removed before using any mechanical drain-cleaning device to prevent damage.

Outdoor Shower

The outdoor shower is on the Water Control Panel.

To use the outdoor shower:

1. Turn on the M-Power and the water pump.
2. Open the round cap beneath the Outdoor Shower control.
3. Access the hose connection and attach the supplied outdoor shower hose.

NOTE: To remove the shower hose, push the hose in slightly, pull the collar back, and remove.

Draining Water Systems

Freshwater Systems

To drain the freshwater system, open the freshwater tank drain valve, the low point drains, and the sink faucet halfway between hot/cold (hot water should not be on). Follow the steps below:

1. Turn the water pump off.
2. Locate and open the four low point drains:
   - *Freshwater tank drain valve:* the black valve found in the access port below the Water Control Panel.
   - *Second and third low point drain valves:* located behind the galley drawers. To access, remove the lower two galley drawers. Open the two valves.

- *Fourth low point drain:* behind the Flex Space/ shower pan lid under a screw port.

NOTE: To open the valves, turn the handle parallel with the line. To close, turn the valve handle perpendicular to the line.

3. Turn the water pump on for ten seconds.
4. Turn the pump off and allow water to drain for one minute.
5. Hang the inside shower down with the flow control toggle on allowing water to drain for one minute.
6. Attach the rear shower hose and turn the shower valve on and halfway between hot/cold; then hold the nozzle above the port. Squeeze the handle for 10 seconds allowing water to drain.
7. Close all fixtures and drains.

NOTE: Not all water can be drained from the system. Draining the freshwater system is not a substitute for winterizing the system.

Gray Water Tank

The gray water tank captures wastewater from the shower and sink and must be emptied into an RV cleanout station or other appropriate disposal site.

Tank Draining

To drain the gray water tank:

1. Remove the cap from the gray water tank outlet.
2. Connect a 3" sewer hose (not supplied) to the outlet.
3. Place the opposite end of the sewer hose into the cleanout station. *NOTE: Be sure there are no low spots in the hose for gray water to collect.*
4. Pull the handle of the gray water valve to drain the tank.
5. After emptying the tank, flush the tank with clean water. (Flushing with clean water is particularly important prior to storage.)
6. Close the valve and replace the cap.

CAUTION

To prevent harmful sewer gases from coming through the plumbing system, keep the gray water tank closed when connected to a campground sewage system.

Tank Monitoring

On the MODE COM home screen, there is a *Freshwater Tank and Gray Water Tank* display showing the approximate

levels. The system is self-calibrating. When the freshwater tank drops below 20%, a warning box will appear and the ⚠ will light up. When the gray water tank goes above 80%, a warning box will appear on the MODE COM home screen and the ⚠ will light up.

NOTE: The warning box can be dismissed, but the ⚠ will remain illuminated until the tank level is rectified.

Portable Toilet

The portable toilet is housed inside the shower basin. Follow the manufacturer's instruction manual included with the vehicle.

Freshwater Systems Care

Servicing Water Pump Strainer

The water pump has a screen meant to prevent solids and large particles from entering the system and damaging the water pump.

NOTE: The water pump screen is not a water filter.

The freshwater pump and screen are found behind the rear access port on the water cabinet.

After a few tanks of water have been used, empty and clean the screen, then yearly thereafter.

To clean the water pump screen:

1. Ensure the freshwater tank is empty and the water pump is off.
2. Twist off the strainer bowl counterclockwise.
3. Remove the bowl and the screen. Rinse clean.
4. Place the screen back into the bowl and reinstall.

Sanitizing Freshwater Systems

The freshwater system should be sanitized periodically, particularly before first use, after storage, or after contamination.

To sanitize the system:

1. Fill the freshwater tank half-full with clean water. (See *Filling the Freshwater Tank—City Water Method* at p. 51 of this User Guide.)
2. In a container, prepare a solution of 3/8 cup of bleach and one to five gallons of water.
3. Using the *Filling the Freshwater Tank—Siphon Port Method* (see p. 52 of this User Guide), siphon the bleach solution into the tank.
4. Rinse your container and refill with at least a gallon of fresh, clean water.

5. Using the Siphon Port Method (see p. 52 of this User Guide), siphon the fresh water into the tank to flush your siphon tube.
6. Completely fill the freshwater tank. (Again, refer to *Filling the Freshwater Tank—City Water Method* at p. 51 of this User Guide.)
7. Set the External Port valve on the Water Control Panel to Use Freshwater Tank.
8. Turn the water pump on.
9. Starting with the sink:
    a. Open the valve on a cold temperature setting.
    b. Once you smell bleach at the fixture, change the fixture to the hot position (system should not be hot).
    c. Once you smell bleach at the fixture again, turn off the faucet.
    d. Press the *Hot Water Circ* button.
    e. After waiting until the *Hot Water Circ* light goes out, open the faucet on the hot water setting.
    f. Repeat steps d. and e. until you smell bleach at the fixture consistently (usually about 1 to 2 times).
10. Repeat step a. through c. for the Halo Shower and the outside shower port.
11. Save one gallon of the bleach solution from the outside shower port for use in a later step.
12. Turn the water pump off.
13. On the Water Control Panel, set the External Port valve to Winterize / Sanitize.
14. Connect the siphon tube to the external water port and turn the water pump on.
15. Open the outdoor shower fixture until you smell bleach.
16. Top off the freshwater tank and let the system sit for 4-8 hours.
17. Run the shower and sink to drain the bleach solution into the gray water tank and dump at an appropriate waste-holding facility such as an RV dump station.
18. Refill and drain the freshwater tank several times with fresh water to flush the tank.
19. Starting with a full tank, turn the water pump on and repeat steps 9 and 10 above until you do not smell bleach.
20. Return the External Port valve to your desired setting.
21. If not needed, turn the water pump off.

Winterizing Freshwater Systems

In order to avoid damage that would not be covered under warranty, your MODE must either be winterized before exposure to freezing conditions, or, water systems must be kept above freezing.

Plumbing System

To winterize the plumbing system, use the following procedure:

1. Set the Siphon Port valve on the Water Control Panel to Normal use.
2. On the Water Control Panel, set the External Port valve to Winterize / Sanitize.
3. Connect one end of the siphon tube to the external water port and place the other end into a gallon of colored, non-toxic, RV-grade antifreeze.
4. Turn the water pump on.
5. Starting with the sink:
   a. Open the valve on a cold temperature setting.
   b. Once you see the colored antifreeze at the fixture, change the fixture to the hot position (system does not have to be hot).
   c. Once you see the colored antifreeze at the fixture again, turn off the faucet.
   d. Press the *Hot Water Circ* button on the GrooveLounge side of the galley.
   e. After waiting until the *Hot Water Circ* light goes out, open the faucet on the hot water setting.
   f. Repeat steps d. and e. until you see colored antifreeze at the fixture consistently (usually about 1 to 2 times).
5. Repeat step a. through c. for the Halo Shower and the outside shower port.
6. Turn the water pump off.
7. Pour a half gallon of RV antifreeze into the sink and use Sink Drain Pump to drain into the graywater tank.
8. Empty the gray water tank, then close the graywater tank valve.
9. Pour a half gallon of RV antifreeze into the shower basin.
10. Drain the freshwater tank with the freshwater drain valve.

NOTE: When using this method, pay close attention to the antifreeze level in the container. Do not run the pump dry.

If the plumbing system is empty/not primed, the pump will not be able to pull the antifreeze into the system. If this is the case, the system will need to be primed with fresh water and the winterizing process repeated.


SECTION 8
EVERYTHING ELSE...

> We hope that previously herein we have addressed most aspects of MODE operation. But we're not quite through. So here is "everything else…"

Preparing the MODE for Storage

Properly preparing your MODE prior to a period of non-use will reduce the possibility of storage-related damage. We recommend that all of the following be performed prior to MODE inactivity of longer than three months:

- Follow the instructions for *Storing the M-Power ESS* at p. 21 of this User Guide.
- Remove all items from cabinets and the refrigerator that may cause odors or attract pests.
- Clean and defrost the refrigerator, then prop the door open to allow odors to dissipate.
- Place an open box of baking soda inside the refrigerator to help absorb odors.
- Clean / wipe down other interior surfaces.
- Lubricate door hinges and locks.
- Wash and wax the vehicle exterior.
- Inspect all seals around doors, windows, vents, and any other joints. Replace or repair any that are damaged.
- Close all windows and the roof fan.
- Protect all appliance vent openings from pests.
- If storing the RV in cold climates, be sure to follow the winterization procedures located in *Winterizing Freshwater Systems* found at p. 60 of this User Guide.
- Also follow the procedures in your vehicle's Operating Instructions for long-term storage.

Removing the MODE from Storage

When removing your RV from storage, perform the following:

- Completely air out the van.
- Check window operation.
- Check cabinet and door hinges; lubricate if necessary.
- Close all faucets and drain valves that are open.
- Add a few gallons of water to the freshwater tank and turn on the water pump to check for leaks, especially at the fittings.
- Open all faucets following the *Priming Water Lines* procedure located at p. 53 of this User Guide.
- Wash the vehicle, and then inspect the seals and sealants for separation or cracks. (See *Seals & Sealants* at p. 46 of this User Guide for details regarding inspection.)

- Inspect weather seals around doors and replace if necessary.
- Follow the *Sanitizing Freshwater Systems* procedures located at p. 58 of this User Guide.
- Check the portable toilet for proper operation.
- Add water to the gray water tank using the sink faucet and sink drain pump, and check to be sure the valve seals tightly.
- Check around all appliances to ensure vent openings are clear.
- Start the refrigerator and check for proper cooling.
- Wipe down walls and other interior surfaces.
- Test the smoke and CO detector; if necessary, replace batteries.
- Check the fire extinguisher; replace if necessary.
- Check the electrical system to make sure all lights, plugs, and electrical components operate.
- Check tires for proper pressure.

In the Event of an Accident

In the unfortunate event of an accident, please contact Storyteller Overland before putting your MODE back into service. This is for your safety, as well as to protect the integrity of your vehicle.

Accidents can damage unseen systems in the RV which can be hard to detect. Using the RV without closer inspection could lead to more damage and, potentially, danger. Depending on the nature and severity of the accident, further inspection and testing may be needed to make sure your vehicle is safe and working properly.

Following an accident, failure to notify Storyteller Overland or have a Storyteller Overland approved technician inspect, perform any required tests, and fix any issues identified may void the Storyteller Overland Supplemental New Vehicle Limited Warranty.

Warranties & Coverage

Your MODE's chassis is covered under the vehicle's factory warranty. Refer to the warranty policy for details.

Consult the Storyteller Overland, LLC Supplemental New Vehicle Limited Warranty for details on coverage. Extended warranty programs are available from your dealer.

Many components are covered under their own manufacturer warranties—such as the refrigerator, cooktop, microwave, A/C, heating system, awning, and the M-Power ESS. Your vehicle was shipped from the factory with warranty information for many of these components, and they differ in length and coverage from the Storyteller Overland Supplemental New Vehicle Limited Warranty.

Disclaimer/Limitation of Liability

To the maximum extent allowed by law, Storyteller Overland shall not be liable for any damages associated with use of a Storyteller Overland vehicle, whether those damages be direct or indirect, incidental, special, consequential, punitive, or other.

Further, your Storyteller Overland vehicle was designed for a specific use. Any misuse, abuse, or neglect could possibly void the previously described warranties.

Miscellaneous

Pinch Hazards

Movable components in your RV—such as doors, drawers, and rotating or folding seats—all have potential "pinch points." Pinch points are spaces where your finger or other body parts can get caught between two (or more) hard objects, at least one of which is moving. To avoid pain and possible injury, pay attention whenever manipulating movable mechanisms on your vehicle.

Formaldehyde Information

As with most every home and building, some materials in this RV may emit formaldehyde. Exposure to formaldehyde potentially may cause eye, nose, and throat irritation, headache, nausea, and asthma-like symptoms, including shortness of breath. Reaction to formaldehyde exposure varies among individuals, and research is ongoing as to the possible long-term effects of said exposure.

Inadequate ventilation may allow formaldehyde and other contaminants to accumulate in indoor air. Before and during each use, ventilate your RV using the windows, exhaust fan, or air conditioning system.

If you have any questions regarding possible sensitivity to formaldehyde, consult your doctor.

Mold

Mold is a natural part of our environment and plays an important role in helping break down dead leaves and organic matter into fertile soil. The very nature of your RV being outside will bring it into contact with mold, but indoor mold growth should be avoided.

To reduce mold growth inside your RV, reduce the things therein that could allow mold to grow. Mold only needs small amounts of moisture and nutrients from food spills or grease, and it can survive on as little as a fine layer of dirt or dust. Therefore, keep the inside of the vehicle as clean and dry as possible.

Moisture plays a large part in mold growth. Don't allow condensation to build up inside the vehicle, and keep the interior humidity levels low. Proper ventilation helps, and using the air conditioner can also remove excess moisture from the air.

Anything Else?

Did we forget anything? We certainly hope not, but if we did, or if you have any questions about the use, care, maintenance, and/or enjoyment of your MODE, don't hesitate to contact us at Storyteller Overland: 1-888-999-7442, or via our website at StorytellerOverland.com.

SECTION 9

BEAST/STEALTH EQUIPMENT

Tenzing Brushguard

The Tenzing Brushguard is designed to mount the lights and air chuck and for light-duty protection of the front of your MODE. It is not suited for pulling or winching-type activity and doing so will damage the bumper and the van. There is a cover plate over the factory tow hook that is removable with an 1/8" hex key (provided). Follow towing instructions in the Sprinter Instruction Manual.

NOTE: When using the factory tow hook, make sure any tow cable does not impact the Tenzing Brushguard which may lead to damage.

NOTE: The Tenzing Brushguard is not suited for heavy pulling or winching-type activity which will damage the Brushguard and van. Always use the factory tow hook for towing purposes.

Auxiliary Lighting System

The Auxiliary Lighting System offers a variety of lighting options, but it is important to familiarize yourself with local laws related to vehicle lighting. Roof-mounted lights are intended for off-road use only and local laws may require light covers over certain lights. Bumper-mounted driving lights are DOT-approved and can be used on the road. The lighting system is powered by the Sprinter chassis battery, not the M-Power Energy Storage System, and should usually only be used with the Sprinter engine running. Extended use of the exterior lighting with the Sprinter engine off will deplete your chassis battery and could potentially leave you stranded.

NOTE: Using the auxiliary lights without the engine running can discharge your Sprinter battery.

Ride Improvement Package

The Agile Ride Improvement Package (RIP Kit) was designed to maximize your van's usable suspension travel while increasing stability and comfort along with additional ground clearance and improved damping.

NOTE: Your suspension must be torque checked at 350 miles after customer purchase, then after another 1,000 miles, and every 10,000 miles afterward. This torque check is mandatory and will help insure many years of reliability. This check can be done by a Storyteller Overland dealer or a reputable off-road suspension or alignment shop. Check the following fasteners to the corresponding torque values and document any deviation identified:

- U-bolts: 130 ft-lbs
- Upper shock bolt: 95 ft-lbs
- Lower shock bolt: 75 ft-lbs
- Front strut: 120 Nm plus 120°
- Lug Bolts: 125 ft-lbs

Beast MODE Rims

The Beast MODE tire pressures should be set at 65psi rear, 47psi front, and the lugs torqued to 125 ft-lbs. Depending on supply chain related issues, the wheels supplied on the Beast MODE may change, but every Beast comes with the appropriate lug tool/adapter and telescoping wrench, if needed.

Onboard Air Kit

The Onboard Air Kit allows you to easily re-inflate tires. This kit is based around ARB's 12-volt high performance twin onboard air compressor.

The compressor is located on the passenger side of the engine bay, and the air chucks are located on the rear of the van near the trailer mount as well as on the front bumper area.

The compressor ON/OFF switch is on the dash between the *4WD* and *Low Range* buttons.

NOTE: The Onboard Air Kit is a high current system; only turn on when in use.

NOTE: The Sprinter engine should always be on when using the Onboard Air Kit.

If the pump cycles on/off when in the ON position and not being used, there is a leak somewhere that should be located and sealed.

Owl Vans Sherpa and Tire Carrier

Owl Vans rear door mounted accessories including the tire carrier and Sherpa accessory mount are attached to the Sprinter doors and hinges.

Caution should be taken not to slam the doors or swing open freely against the stops which could damage the van. The more weight you have on the carriers, the more purposely you should close the door.

Every 1,000 miles or after any off-road trip, Owl Vans suggests that the hinge-mounted nylock hardware be checked, and if necessary, torqued to 30 ft-lbs. When re-torquing, remove the hardware, and use red threadlocker. The blue bushing should be tightened to a 14mm-14.3mm gap of "squish."

Proper carrier maintenance will ensure years of trouble-free use.

CAUTION

Exceeding 100 lbs. of accessories on the Owl Vans rear door accessory mounts can damage the vehicle.

NVADER Rear Door Organizers

Maximum weight capacity is 100 lbs. per door. When mounting a spare tire, only use the NVADER Spare Tire Mount available at StorytellerOverland.com. Remember to add the the weight of the Spare Tire Mount and the weight of your specific tire/wheel assembly when calculating the 100 lb. maximum capacity. All weight should be evenly distributed across the panel with no individual attachment point exceeding a 20 lb. weight maximum.

⚠ WARNING

Exceeding these weight capacities or using improper attachments could cause serious damage, injury, or death. It is the owner's responsibility to check and maintain these systems properly and insure loads are properly secured.

PowerStation

Storyteller Overland Beast and Stealth MODE models are equipped with PowerStation, a handy way of exporting power, somewhat like a back-up generator. PowerStation has a 27A power outlet outside the MODE on the driver side which draws power from the M-Power Energy Storage System.

Be aware that the start-up amps for some devices—such as compressors, air conditioners, or items with motors, can be much higher momentarily than the listed amps and may potentially exceed the 27A max rating of the PowerStation circuit and trip the breaker.

When using PowerStation, power is diverted from the devices on the branch breakers to the PowerStation port outside the vehicle. Devices on the branch breakers will not be available inside the MODE, such as air conditioner, microwave, and anything on the galley. When using PowerStation, the lights, fridge, some outlets, and the heat will still work.

NOTE: The maximum power available at any time when using the PowerStation is 3,200 watts. Exceeding this limit can damage your M-Power System.

⚠ WARNING

Improper use of the PowerStation can damage the vehicle and be dangerous, potentially fatal.

To enable PowerStation:

Disable the MODE Power branch breaker by sliding the lockout bar and allowing the PowerStation Outlet breaker to be turned on.

NOTE: Only use a standard L5-30P plug with PowerStation.

CAUTION

Never plug your MODE from the shore power outlet into your MODE's PowerStation outlet.

MODE Maintenance Chart*

	Before Each Use	As Needed	Monthly	Every 3 Months	Every 6 Months
ELECTRICAL SYSTEM					
Check State of Charge (SOC) Gauge	X		X		
Check GFCI Receptacles	X				
PLUMBING SYSTEM					
Sanitize Plumbing System		X			
Winterize Plumbing System		X			
Clean Water Strainer Filter		X		X	
Check Fittings for Leaks (behind galley drawers and in water cabinet)			X		
Inspect and Clean Exterior Drain / Vent Tubes		X		X	
EXTERIOR					
Rinse Underside of Vehicle		X		X	
Check Roof Rack, Ladder, A/C, & Fan	X		X		
SAFETY EQUIPMENT					
Fire Extinguisher - Check Charge	X		X		
Smoke/CO Alarm - Test Operation/Batteries	X				X
FURNACE (See Furnace Maintenance Guide)					
Inspect and Clean Exterior Vent Tube		X			X

	Before Each Use	As Needed	Monthly	Every 3 Months	Every 6 Months
AIR CONDITIONER (See A/C Manufacturer's Maintenance Guide)					
Clean A/C Filter		X		X	
SEALS & SEALANTS					
Inspect Body Seals, Doors Seals, & Sealants					X
SPRINTER CHASSIS (See Sprinter Operating Instructions for Sprinter Maintenance)					
WHEELS, TIRES, SUSPENSION					
Check and Adjust Air Pressure	X				
Check Tread Wear	X				
Check Front End Alignment		X			
Check & Re-Torque Wheel Lug Bolts					X
Tire Rotation (every 6 months or 6k miles)					X

APPLIANCES (See Individual Appliance Manufacturers' Maintenance Guides)

OWL VANS TIRE CARRIER & SHERPA (Beast MODE only):
Torque hinge hardware to 30 ft lbs every 1,000 miles or as necessary.

NVADER Rear Door Organizers
All NVADER hardware came from the factory torqued (and paint penned/striped) to 30 ft lbs. At least every 6000 miles, check to verify the stripes are still aligned/unchanged and, if not, re-torque to 30 ft lbs.

*These recommendations apply for normal recreational use. Heavy-duty or full-time use may require more frequent maintenance intervals.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MODE