TIFFIN MOTORHOMES

TIFFIN

2026 Owner's Manual

GH SERIES

2026 Owner's Manual

DISCLAIMER

Many of the features and appliances described in this manual might not be reflected in the actual motorhome purchased, depending on the options and models selected by the motorhome owner. All items, materials, instructions, and guidance described in this manual are as accurate as possible at the time of printing. However, due to Tiffin Motorhomes' ongoing and dedicated commitment to excellence, improvement of Tiffin's motorhomes is a continuing process. Consequently, Tiffin Motorhomes reserves the right to make substitutions and improvements in its makes and models of motorhomes without prior notification. Substitutions of comparable or better materials, finishes, appliances, instrumentation, and instruction might be made at any time it is deemed prudent to provide the customer with the best possible motorhome, meeting the customer's requirements.

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GENERAL INFORMATION

Chapter

1

Welcome to a life of "roughing it smoothly"

Tiffin Motorhomes is excited that you have entered the world of Van travel, and we believe that you and your family will enjoy this way of life for years to come. Your Tiffin-built Van provides all the comforts of home while allowing you to travel freely as you choose.

But, before heading out on the open roads, become familiar with this owner's manual to learn more about the operations of your Tiffin Van. Also, work with your dealer to learn as much as possible about the functionality and features of your coach.

And remember, **"Wherever you go, we go."**

About This Manual:

Carefully read through this manual to understand how everything in your Tiffin Van works.

The instructions included are meant to serve as a guide and in no way extend the responsibilities of Tiffin Motorhomes beyond the standard written warranty. The descriptions, illustrations, and specifications in this manual were correct at the time of printing and Tiffin Motorhomes reserves the right to change specifications or design without notice, and without incurring the obligation to install the same on products previously manufactured.

Many of the instruction sheets and manuals for the various appliances inside your Tiffin Van have been incorporated into this manual for your convenience.

Delivery:

Throughout the entire manufacturing process, your Tiffin Van has been regularly inspected by our qualified personnel to ensure that you receive the finest product of the highest quality. However, the final inspection at our factory is not the last one. The pre-delivery inspection and system check that your dealer performs are the final inspections before you receive your new Tiffin Van. Your dealer is also available to assist you in understanding the warranties and completing the necessary forms to activate the warranties for the various appliances and accessories installed in your Tiffin Van.

Dealer Responsibilities:

1. A pre-delivery inspection and systems check is performed to ensure a thorough inspection of the Tiffin Van and the proper operation of all factory-installed components.
2. A customer walk-through is performed to familiarize the buyer with the Tiffin Van, its systems and components, and their proper and safe operation.
3. Delivery of the Owner's Information Package, which contains warranty cards and registrations for the vehicle and all factory-installed components from other vendors and suppliers to Tiffin Motorhomes. The detailed operation and maintenance instructions on these components are also included in this package.

4. Assisting the customer in completing the registration forms to avoid loss of warranty coverage. The dealer will review the limited-warranty provisions with the customer to stress the importance of completing the warranty cards and registration forms for the components in the Tiffin Van to enable the manufacturers to receive them within the prescribed time limits.
5. Providing the customer with information regarding warranty and non-warranty work on the vehicle and its separately warranted components.

Customer Responsibilities:

The customer is responsible for regular and proper maintenance of the Tiffin Van. Properly maintaining your Tiffin Van will prevent conditions arising from neglect that are not covered by your Tiffin Motorhomes limited warranty. The maintenance guidelines in this manual and any other applicable manuals must be followed. It is your responsibility and obligation to return the vehicle to an authorized dealer for repairs and service.

To assist you in avoiding problems with your Tiffin Van, Tiffin Motorhomes recommends that you do the following:

1. Read the warranty. Go over it thoroughly with your dealer to make sure you understand all the terms and conditions of the warranty.
2. Inspect the Van; do not accept delivery until you have gone through the Van with the authorized Tiffin Motorhomes dealer.
3. Ask questions about anything you do not fully understand about your Van. Tiffin Motorhomes is here to serve you and ensure that you have all the information necessary for the safe and enjoyable use of your new Tiffin Van.
4. When you take the delivery, set an appointment for adjustments. This appointment must be within two weeks after you accept delivery.
5. You are responsible for using your Tiffin Van in a responsible, safe manner. Take the time to familiarize yourself with the proper operation of the unit before you attempt to use it.

Reporting Safety Defects (USA):

575.6(a)(2)(i) At the time a motor vehicle manufactured on or after September 1, 1990, is delivered to the first purchaser for purposes other than resale, the manufacturer shall provide to the purchaser, in writing in the English language and not less than 10-point type, the following statement in the owner's manual, or. If there is no owner's manuals, on a one-page document:

If you believe that your vehicle has a defect which could cause a crash or could cause injury or death, you should immediately inform the National Highway Traffic Safety Administration (NHTSA) in addition to notifying Tiffin Motorhomes.

If NHTSA receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. However, NHTSA cannot become involved in individual problems between you, your dealer, or Tiffin Motor Homes.

To contact NHTSA, you may either call the Vehicle Safety Hotline toll-free at 1-888-327-4236 (TTY: 1-800-424-9153); go to http://www.safercar.gov; or write to: Administrator, NHTSA, 1200 New Jersey Avenue, S.E., Washington, DC 20590. You can also obtain other information about motor vehicle safety from http://www.safercar.gov.

(ii) The manufacturer shall specify in the table of contents of the owner's manual the location of the statement in 575.6(a)(2)(i). The heading in the table of contents shall state "Reporting Safety Defects."

Reporting Safety Defects (Canada):

Vehicles domiciled in Canada that are thought to have a defect that could cause a crash, injury, or death, should immediately be reported to Transport Canada and Tiffin Motorhomes at 1-256-356-8661.

If Transport Canada receives similar complaints, it may open an investigation; if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. However, Transport Canada cannot become involved in individual problems between you, your dealer, or Tiffin Motorhomes.

To contact Transport Canada, call the Defect Investigation and Recall Division toll-free in Canada at 1-800-333-0510 or 1-819-994-3328 in the Gatineau-Ottawa area or internationally.

By Mail:

Transport Canada – ASFAD
330 Sparks Street
Ottawa, ON
K1A0N5

Signalement Des Defauts De Securite A Tranpsort Canada Pour Les Proprietaies Canadiens:

Si vous pensez que votre véhicule présente un défaut lié à la sécurité, vous devez immédiatement en informer Transports Canada (TC) ainsi que Tiffin Motorhomes, Inc.

Si Transports Canada reçoit des plaintes similaires, il pourrait ouvrir une enquête à ce sujet. Si le Ministère constate l'existence d'un défaut de sécurité au sein d'un groupe de véhicules, il pourrait ordonner une campagne de rappel et de réparation.

Toutefois, Transports Canada ne peut pas intervenir en cas des problèmes individuels entre vous, votre concessionnaire ou Tiffin Motorhomes, Inc.

Vous pouvez communiquer avec Transports Canada par l'un des moyens suivants:

Par telephone: 819-994-3328 (région de Gatineau-Ottawa ou international)

Numéros sans frais: 1-800-333-0510 (au Canada)

Par la poste:

Transports Canada – ASFAD
330, rue Sparks
Ottawa (Ontario)
K1A 0N5

Vous pouvez également consulter le site Web de Transports Canada à tc.canada.ca pour remplir en ligne un formulaire de plainte de défauts.

Visit www.tiffinmotorhomes.com for access to related materials.

Tiffin Motorhomes Limited Warranty:

The Tiffin Motorhomes limited warranty is provided to you by your authorized Tiffin Motorhomes dealer during the pre-delivery inspection. When you inquire about your Tiffin Motorhomes warranty, refer to this document. If you require an additional copy of the warranty or other information, contact:

Tiffin Motorhomes, Inc.
105 2nd St. NW • Red Bay, AL 35582
Phone: 256-356-8661
Email: info@tiffinmotorhomes.com

Visit www.tiffinmotorhomes.com for access to related materials.

Warranty Service:

This Limited Warranty applies exclusively to the Tiffin GH Series model and extends for a duration of two (2) years or twenty-four thousand (24,000) miles, whichever occurs first, from the date of purchase by the first retail purchaser. Warranty coverage is expressly limited to specified components and does not include, under any circumstances, coverage for structural integrity or delamination.

To remain eligible for warranty benefits, the purchaser is required to ensure proper use and maintenance of the Tiffin Van in accordance with the guidelines provided by Tiffin Motorhomes. This Limited Warranty shall be rendered null and void in the event of misuse, neglect, or any unauthorized alterations or modifications to the product.

In the event that a covered issue arises during the warranty period, the purchaser must promptly contact Tiffin Motorhomes through authorized channels to seek resolution. Claims submitted outside the specified warranty term or for excluded issues, including structural integrity or delamination, will not be honored under the terms of this Limited Warranty.

Owner's Information Package:

The Owner's Information Package includes valuable documents about your Tiffin Van and its components and systems. By consulting the booklets and instruction manuals included in the Owner's Information Package, you will learn how to operate, maintain, and troubleshoot these items safely and effectively. The Tiffin Motorhomes Owner's Manual does not cover every possible detail of equipment—standard and/or optional—installed on or in your vehicle.

As with all valuable documentation, keep them in a safe, secure place for your later use and consultation. When you complete and mail to the respective manufacturers any warranty/guaranty registration cards, make a photocopy of both sides of each card before mailing, and keep the photocopy in your permanent records for your Tiffin Van.

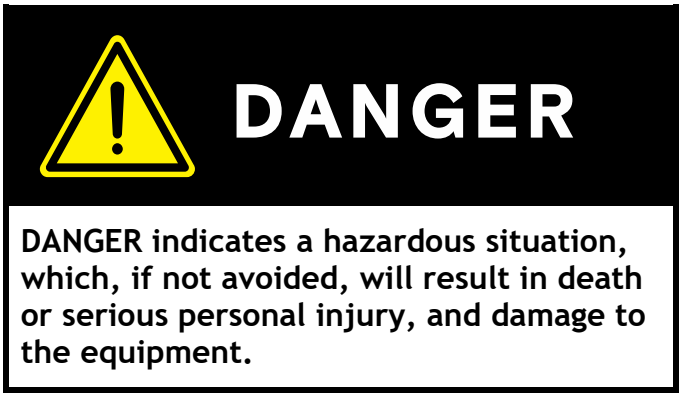
Customer Relations:

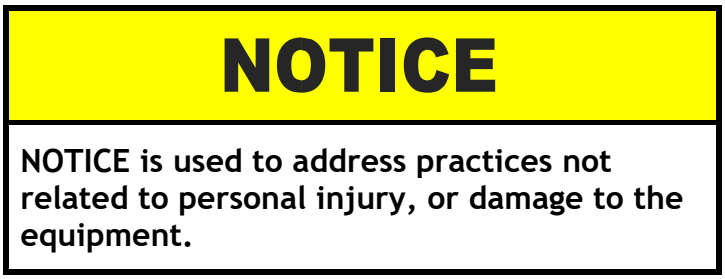
If you wish to schedule maintenance or service, or order parts, you must notify your local authorized Tiffin Motorhomes dealership to set up an appointment. If you are unsure of the location of your nearest authorized Tiffin Motorhomes dealership, access the Tiffin Motorhomes website at www.tiffinmotorhomes.com, and then click on the "Locate Dealer" button, then enter the

appropriate search criteria, such as state and retail sales, and then click on the red ball located on the map to find dealer information in that area.

Safety Messages:

Note that several labels listed in this manual represent items that need your attention. The Danger, Warning, Caution, and Notice labels alert you to precautions that might help you to avoid damage to your Tiffin Van, its equipment, or your personal safety. Read and follow them carefully.





SAFETY INSTRUCTIONS

Chapter

2

Safety Considerations:

Before using your Tiffin Van, especially for the first time or after a long period of non-use, read all the instructions in the Owner's Manual and the chassis-manufacturer's manual thoroughly. There are several safety considerations that you must be aware of and follow while your Van is in motion. These safety considerations, as well as others meant to preclude any damage to the Van, are listed in this chapter. Besides the driver, it would be helpful for the passengers to be familiar with these safety considerations and precautions too.

WARNING

Before your Van is to be towed, be sure that you have read the entire Owner's Manual and that you fully understand the equipment on your Van and how to use that equipment safely.

General Warnings:

In general, several "common-sense" safety precautions must be taken every time the Tiffin Van is to be used on the road. These precautions include:

- Only seats with seat belts must be used while the Van is in motion; the seat belts should be worn by all people (driver and passengers) in the Van at that time.
- While the Van is moving, lock all seats in the forward-facing position to provide maximum safety for the users.
- While the Van is moving, no one (e.g., young children) inside should ever stand or kneel on the seats.
- In most states, it is the law that seat belts must be used (fastened snugly about the chest and hip areas) anytime the Van is in motion, to provide desired protection in the event of a crash.
- Any fire extinguishers must be inspected monthly to ensure that each extinguisher is properly charged and ready for operation.
- Any smoke and/or carbon monoxide (CO)/liquid propane (LP) alarms must be regularly inspected and tested. If being used for the first time, the smoke and/or CO alarm must be properly activated and fresh batteries installed before the Van is placed into service. Never sleep in a Van not having functional smoke and/or CO alarms.
- While the Van is moving, the sleeping facilities are not to be used.
- Never leave the driver's seat unattended while the Van is in motion.

Pre-Departure Checklist:

For your continued safety and convenience, the following is a representative "checklist" designed to ensure your safety while driving:

- ✓ Clean all windows, mirrors, and light lenses (front, back, and sides) to ensure that you can "see" and "be seen."
- ✓ Reposition any mirrors or other fixtures to provide an unobstructed view (front, back, and sides) from the driver's seat.
- ✓ Remove or secure all loose fixtures (e.g., awnings, flags, antennas, portable lights) to keep them from falling from the Van when the vehicle is in motion.
- ✓ Make a "walk-around" visual inspection of the Van to note any irregularities (e.g., loose trim) or problems (e.g., low tires), correct noted problems accordingly.

- ✓ Check all exterior storage-compartment doors to make sure they are properly latched. If need be, check inside all exterior compartments to make sure that all cargo and equipment are properly secured so that they do not work loose and become hazards during sudden starts and stops.
- ✓ Check the tires for proper inflation (i.e., cold-inflation pressure: 50 psi). If the Tiffin GH1 has not been used recently, make sure that the "cold inflation" pressure is maintained. If the Van has recently been used, make sure that the "hot inflation" pressure (see the tire-manufacturer's literature to determine appropriate "hot inflation" pressure) is maintained on each axle. Not all axles require the same tire pressure.
- ✓ Examine wheel lug nuts to ensure their proper tightness. If any lug nuts are found to be loose, first check the fit of the wheel to the hub to make sure the wheel is mounted properly, which would produce a "wobbly" wheel when the Van is in motion and then tighten the lug nuts.
- ✓ Check all fluid levels (e.g., engine oil, transmission fluid, coolant, power-steering fluid, brake fluid, battery fluid [if applicable], windshield-washer solvent) to ensure that correct levels are maintained. Fill any low reservoirs, as needed.
- ✓ DO NOT SUBSTITUTE any other fluids for specified oils, transmission fluid, brake fluid, or other hydraulic fluids—substitutions are not acceptable and can void warranties.
- ✓ Before starting the Van engine, make sure all lines (e.g., water, sewer) and electrical power cords are disconnected and properly stowed.
- ✓ Check all interior doors (e.g., shower, microwave, refrigerator, etc.) to ensure that they are locked and/or secure. Make sure that all large items are stored away and secure (e.g., coffee pots, corning ware, etc.).

Driving Safety:

Various adjustments must be made to ensure the driver's comfort and the safety of the Van before starting and moving the Van; these include:

- Do not attempt to adjust the driver's seat while the vehicle is moving.
- Do not adjust the tilt steering while the vehicle is moving.
- The driver must be familiar with all gauges, instruments, switches, and indicators on the instrument panel (Figure 2-1) before driving.

- Do not operate the cruise-control function during any extreme weather situations (e.g., snow, ice, sleet, heavy rain), when road conditions are hazardous (icy, snowy, winding roads, city traffic), when a constant speed of the Van is not possible, or if traffic conditions do not warrant such.
- Avoid driving the Van through any standing water. If deep enough, such water can wet the brake pads and cause fading of the brakes (i.e., loss of braking power) and lead to excessive sliding or pulling to one side or the other.

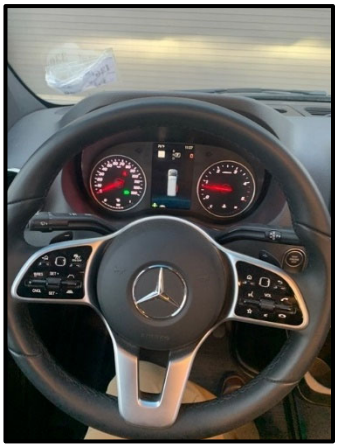


Figure 2-1: Driver Instrument Panel

CAUTION

DO NOT overextend either shade as this might block the view of the road.

- NEVER use any other "burning" equipment (e.g., charcoal grills, wood stoves, butane lights, propane lights) inside the Van. Doing so might cause fires and/or asphyxiation.

WARNING

Any portable, fuel-burning equipment (e.g., charcoal, propane, butane, wood) must not be used inside the Van. Any use of such equipment inside the Van might readily cause fires and/or asphyxiation by carbon-monoxide poisoning. Moreover, such unauthorized use will probably invalidate your Van insurance policy.

Carbon Monoxide Warning:

WARNING

Avoid inhaling exhaust gases as they contain carbon monoxide, which is a colorless, odorless, and poisonous gas. Serious illness, injury, or death can result.

A properly maintained engine exhaust and ventilation system is the best way to protect against carbon monoxide's entry into the vehicle. Tiffin Motorhomes recommends that the exhaust system and body be inspected by a qualified Van service center:

- Each time the vehicle is serviced for an oil change.
- Whenever a change in the sound of the exhaust system is noticed.
- Whenever the exhaust system, underbody, or rear of the vehicle is damaged.

To allow proper operation of the vehicle's ventilation system, always keep the front ventilation inlet grill clear of obstructions.

Do not occupy a parked vehicle with the engine running for an extended time, and do not run the engine in confined areas, such as a garage.

Your Van is equipped with a combination CO/Gas Alarm (**Error! Reference source not found.**). This alarm combines a single compact system that detects both Carbon Monoxide (CO) and Propane (LPG) gas. It will detect carbon monoxide gas from any combustion source such as from the furnace, oven/range, water heater, refrigerator, chassis engine, and generator engine.

CO Detector:

To activate the CO sensor on this detector for the first time, remove the sensor activation strip, if it was not removed during the pre-delivery inspection.

If the alarm persists in re-arming and giving further alarms, ventilate the Van by opening the doors and windows. If the leak cannot be readily found after the ventilation process is concluded, then take the Van to a qualified service technician.

Figure 2-2: CO Dectector

The CO detector (Figure 2-2) is a powerful combined alarm that detects Carbon Monoxide (CO)). This detector uses the latest microprocessor technology combined with two electronic self-cleaning sensors that operate independently of each other. The combined unit can detect both CO and explosive gases simultaneously.

Carbon monoxide (CO) is a colorless, odorless, tasteless gas, which, when breathed, bonds to the hemoglobin in the red blood cells and, thus, drastically reduces or blocks the transfer of oxygen from the lungs to the rest of the body.

In sufficient concentrations, CO kills by asphyxiation. In lesser amounts, CO makes the victim groggy, lethargic, and unable to think clearly or quickly.

CO is one of the products of combustion for many materials including petroleum-based products (e.g., gasoline, diesel fuel, propane, butane, etc.). Since many of the appliances and the engines associated with the Van produce CO in their normal operations, it is necessary to ensure that CO levels do not rise to dangerous levels within the Van. In sufficiently high concentrations, CO can kill in minutes.

The people most susceptible to CO poisoning are unborn babies, small children, pregnant women, senior citizens, and people with cardiovascular or respiratory problems.

Consequently, it is prudent to check the CO monitor regularly for normal operation and to remain aware of the symptoms of CO poisoning, which include dizziness, nausea, vomiting, muscular twitching, throbbing in the temples, incoherent thinking and speech, weakness, sleepiness, and intense headaches.

If any of these symptoms are experienced in the Van, IMMEDIATELY evacuate the Van and seek medical help. Shut down the Van and do not attempt to operate it again until the sources of the CO are located and fixed.

DANGER

Carbon monoxide gas—derived from products of combustion of diesel fuel, and other petroleum-based products—is a deadly gas that can kill Van occupants, if allowed to accumulate in sufficient concentration. Ensure that all engine operations are not restricted tailpipes and exhaust ports should not be blocked or restricted in any way. Additionally, any accumulation of exhaust gases outside or underneath the vehicle must be avoided as it might enter the Van through windows or vents—be careful of how and where the Van is parked to avoid such conditions. Regularly monitor outside conditions to ensure that all exhaust gases can readily be dissipated and not enter the Van inadvertently.

DANGER

Never sleep in a Van when the engine is running—engine exhaust fumes could enter the Van and cause disability or death. Regularly check the exhaust system to note any leakage sites and, if found, discontinue use of the Van until they are repaired by a competent, qualified service technician. Do not attempt repairs on the exhaust system yourself and do not modify (temporarily or permanently) the exhaust system at all.

Fire Safety:

As with any enclosed system containing the three required conditions for fire (i.e., combustible materials, oxygen, and ignition sources), there will exist the possibility of fire inside the Van. Tiffin Motorhomes has taken every precaution and design practice to minimize or negate this possibility, but the final determination rests with the owner and user of the Van. Hence, the owners, users, and their guests must be aware of basic fire-safety practices and procedures, and those features that Tiffin Motorhomes has provided for fire safety.

Fire Extinguisher:

The Tiffin GH1 is equipped with a fire extinguisher (Figure 2-3) located in the entrance door stairwell. The extinguisher is rated for both Class B (i.e., grease, gasoline, diesel fuel, flammable liquids) and Class C (i.e., electrical) services.

Figure 2-3: Fire Extinguisher

Read and understand the accompanying owner's manual on the extinguisher (found in your Owner's Information Package) and remember the location of the extinguisher. These types of fire extinguishers are pressurized mechanical devices and require that appropriate care be used in their safe storage and use. The owner's manual will provide necessary guidance for the proper storage, handling, and use of the extinguishers.

Prudent preventive maintenance suggests monthly inspection of any fire extinguisher to ensure that it is sufficiently pressurized (i.e., the needle on the gauge is in the "normal" zone) and that the mechanical components are not blocked in any way.

DO NOT test a fire extinguisher by partially discharging the unit—this will cause a loss of pressure and might lodge some fire-retardant materials in the valve mechanism and cause the extinguisher to continue to vent slowly down to zero pressure. If an extinguisher is ever partially used, continue its use until the unit is completely discharged. Then, have the fire extinguisher fully recharged at an appropriate service center (call any fire department for information on having an extinguisher recharged in that locality).

DO NOT wait to recharge an empty fire extinguisher; you will never know when it might be needed.

Should a fire occur inside or around the Van, evacuate the Van quickly and calmly—do not panic. In the event of heavy smoke or extensive flames, keep low (crawl if you must), and make your way to the nearest exit (door, emergency window) and leave. If the fire involves a fuel source (e.g., diesel fuel, LP gas), consider the probability of an explosion and move sufficiently far away to minimize personal harm. If possible, immediately place a call to the local fire department (or ask someone nearby to do so) to report the fire. Consider the cause and the consequences of the fire and the risks associated with possibly fighting the fire yourself before trying to extinguish it.

DO NOT expose yourself or others to unnecessary danger.

Smoke Detector:

The Tiffin Van is equipped with a battery-operated smoke detector (**Error! Reference source not found.**) located on the ceiling in the living area of the Van.

Figure 2-4: Smoke Detector

The smoke detector must be tested on a weekly basis, before each trip, and after any period of storage of the Van.

If a low-battery condition is noted or the alarm "chirps" to indicate a low-battery condition, immediately replace the battery. Tiffin Motorhomes recommends that you keep replacement batteries in the Van for any in-transit replacements so that the smoke-alarm capability is never compromised.

DO NOT disable the smoke detector for any transient, false alarm (e.g., cooking smoke, dusty furnace, tobacco smoke). Ventilate the Van with fresh air and the alarm will reset on its own.

Electrical:

- Careless handling of electrical components can be fatal. Never touch or use electrical components or appliances while feet are bare, hands are wet or standing in water.
- Improper grounding of the vehicle can cause personal injury.
- Do not attach an extension cord to the utility power cord.
- Do not use any electrical device that has had the ground pin removed.
- Avoid overloading electrical circuits. Replace fuses or circuit breakers with those of the same size and amperage rating only. NEVER use a higher rated fuse or breaker.

Loading:

- Store or secure all loose items inside the Van before traveling. Possible overlooked items such as canned goods or small appliances on the countertop, or freestanding furniture can become dangerous projectiles during a sudden stop.
- Be aware of GVWR, GAWR, and individual load limit on each tire or set of duals.
- Never load the Van in excess of the gross vehicle weight rating or the gross axle weight rating for either axle.

Maintenance:

- Do not remove the radiator cap while the engine and radiator are still hot. Always check the coolant level visually using the see-through coolant reservoir.
- NEVER get beneath a vehicle that is held up by a jack only.
- Do not mix different construction types of tires on the vehicle. Replace tires with the exact size, type, and load range.

Air Conditioning System/Heat Pump:

The Tiffin Van is equipped with the 15,000 BTU Gree Eco-Cool Air Conditioner with Heat Pump, designed for efficient climate control in all seasons. This advanced system provides both cooling and heating capabilities, ensuring a comfortable interior environment regardless of external conditions. The soft-start feature reduces initial power draw, making it compatible with shore power, generators, and inverters. Users can conveniently adjust temperature settings, fan speeds, and operational modes via the digital control panel or Bluetooth connectivity, allowing for remote management through the Gree mobile app. The heat pump function efficiently transfers ambient heat to maintain warmth in colder temperatures without relying solely on electric resistance heating, optimizing energy consumption. To maximize performance, ensure regular filter maintenance and proper airflow distribution throughout the vehicle. For detailed operational

instructions, troubleshooting, and maintenance guidelines, refer to the full owner's manual in the Owner's Information Package.

Operating Your Gree Eco-Cool Air Conditioner

1. **Power On** – Use the control panel (Figure 2-5) or Bluetooth app to turn on the unit.
2. **Mode Selection** – Choose between cooling, heating, fan, or dehumidifier.
3. **Soft-Start Feature** – This helps reduce the initial power surge, making it **generator-friendly**.
4. **Temperature Control** – Set your desired temperature via the **remote or app**.
5. **Fan Speed** – Adjust airflow for comfort.
6. **Bluetooth Connectivity** – Use the mobile app for remote control.

Figure 2-5: Gree Eco-Cool Control Panel

APPLIANCES

Chapter

3

Refrigerator:

The Nova Kool 3.1 cu ft refrigerator (Figure 3-1) is built to maximize efficiency while ensuring long-lasting durability. It features storage for tall bottles, ensuring that larger containers fit comfortably without compromising space. The powder-coated zinc wire shelves provide enhanced durability, resisting corrosion and wear overtime. Additionally, the magnetic door gaskets create a positive seal, helping to maintain internal temperatures and improve energy efficiency.

Figure 3-1: Refrigerator

To clean the Nova Kool refrigerator, start by removing all food items. Use a mild detergent mixed with warm water to wipe down the interior surfaces, including shelves and door compartments. Avoid harsh chemicals or abrasive scrubbers, as they may damage the finish. For the magnetic door gaskets, gently clean with a damp cloth to remove dirt and ensure a tight seal. If needed, a baking soda solution can help eliminate odors. Finally, dry all surfaces thoroughly before restocking it.

To ensure the refrigerator door remains securely closed, slide the latch to the left until it is fully engaged in the locked position (Figure 3-2). This prevents accidental opening and helps maintain the appliance's internal temperature. When access to the refrigerator is needed, gently move the latch to the right, allowing the door to unlock smoothly (Figure 3-3). Additionally, before driving off, always make sure the refrigerator door is latched to prevent unexpected movement or possible damage during transit.

The Tiffin GH Series features an integrated whiteboard on the front of its refrigerator, providing a convenient space for jotting down notes, meal plans, grocery lists, or personal messages while on the road. This thoughtful design adds both functionality and creativity to the living space, making it easy to stay organized and communicate with fellow travelers. Whether used for reminders, doodles, or daily schedules, the whiteboard surface enhances the practicality of the GH Series experience.

Figure 3-2: Lock Position

Figure 3-3: Open Position

Cooktop:

The TIFFIN GH Series comes equipped with a powerful single-burner induction cooktop (Figure 3-4), bringing effortless precision and efficiency to your cooking experience.

Figure 3-4: Induction Cooktop

To use a single burner induction cooktop effectively, begin by placing induction-compatible cookware with a ferrous base on the cooktop surface. Since induction technology utilizes electromagnetic energy to directly heat the cookware rather than the cooktop itself, it is essential to use pots and pans specifically designed for induction cooking. Once the cookware is positioned, activate the cooktop and select the desired temperature or power level using the control panel. The cooking process is precise and efficient, ensuring rapid heating and energy conservation.

After use, allow the cooktop to cool before proceeding with cleaning. To maintain its functionality and appearance, wipe the smooth glass surface with a soft, damp cloth or sponge to remove spills and residue. For more stubborn stains, apply a mild cleaning solution or a mixture of vinegar and baking soda. Avoid using abrasive materials that could scratch the surface. Lastly, ensure the cooktop is thoroughly dried before storage or further use to preserve its sleek design and optimal performance.

Water Heater:

The TIFFIN GH Series is equipped with the state-of-the-art hydronic system, designed to provide a continuous and efficient supply of hot water. Maintaining a precise temperature range of 110°F to 120°F, this advanced system ensures optimal comfort for daily use. With a flow rate of 0.8 gallons per minute, it delivers reliable performance for both kitchen applications and showering, catering to a variety of your van life needs. Whether washing dishes or enjoying a warm and refreshing shower, users can rely on the hydronic system for consistent and dependable hot water delivery. Engineered for efficiency, this system minimizes energy consumption while maximizing convenience, making it an ideal addition to the TIFFIN GH Series innovative design.

TIFFIN

GH SERIES

CABINETS & FURNITURE

Chapter

4

Cabinets:

The TIFFIN GH Series is designed with versatile cabinet storage (Figure 4-1) to accommodate all your organizational needs. Whether you're storing kitchen essentials, personal belongings, or travel accessories, the GH Series offers ample space throughout the interior. The front passenger-side galley cabinet provides convenient access to both an upper drawer and a lower compartment, while the rear bedroom area is equipped with two overhead cabinets, ensuring additional storage for everyday necessities. With strategically placed cabinets throughout the coach, the TIFFIN GH Series delivers practical and efficient storage solutions to keep your space neat and clutter-free.

Figure 4-1: Cabinet

The cabinets in the TIFFIN GH Series are constructed from High-Pressure Laminate (HPL), a durable and stylish material known for its resistance to moisture, scratches, and general wear. HPL offers a smooth, easy-to-maintain surface, making it a practical choice for RV interiors. To clean HPL cabinets, simply use a soft cloth or sponge with warm water and a mild detergent. Avoid abrasive cleaners or scrubbers that could damage the laminate finish. For tougher stains, a diluted vinegar solution or a non-abrasive household cleaner can be effective. Always dry the surface with a clean cloth to prevent moisture buildup, ensuring the cabinets remain in top condition for years to come.

Counter Tops:

The Tiffin GH Series features solid surface countertops (Figure 4-2), designed for durability and a refined aesthetic. To further enhance functionality, it incorporates a pull-out extension, providing additional workspace while integrating convenient storage for the cooktop. This intelligent design ensures an efficient and organized kitchen environment, optimizing both practicality and space within the vehicle.

Figure 4-2: Solid Surface Countertops

Cleaning solid surface countertops is straightforward and requires minimal effort to maintain their appearance and durability. Here are some best practices:

- **Daily Cleaning:** Use warm soapy water and a soft cloth to wipe down the surface, removing dirt and grease.
- **Stain Removal:** For tougher stains, apply an ammonia-based cleaner, let it sit for a couple of minutes, and then wipe it away.
- **Disinfection:** Occasionally, use a diluted bleach solution (5 tablespoons of bleach per gallon of water) to disinfect the surface.
- **Avoid Harsh Chemicals:** Do not use strong acidic or alkaline cleaners, as they can damage the finish.
- **Prevent Scratches:** Use a microfiber cloth instead of abrasive pads and avoid cutting directly on the surface.
- **Heat Protection:** Do not place hot pans or appliances directly on the countertop; use trivets or heat-resistant pads.

Adventure Bar:

The TIFFIN GH Series offers the Adventure Bar™ (Figure 4-3) as an optional upgrade, designed to enhance both functionality and storage within the coach. Strategically positioned behind the driver's seat, this feature provides a dedicated workspace, allowing travelers to comfortably set up and utilize their computing devices while on the road. Equipped with an additional power outlet, the Adventure Bar™ ensures seamless connectivity by supporting essential computer components, such as laptops, monitors, and charging accessories.

Figure 4-3: Adventure Bar

Beyond its technical capabilities, the Adventure Bar™ prioritizes organization and efficiency. Its integrated keyboard storage allows users to stow away their keyboard when not in use, helping to maintain a tidy and uncluttered workspace. This well-thought-out design ensures that travelers can maximize their productivity while enjoying the convenience of a designated work area within their mobile environment.

With a focus on practicality, versatility, and ease of use, the Adventure Bar™ is an ideal solution for those who require a structured and reliable workstation while on the move. Whether working remotely, managing travel plans, or simply staying connected during long journeys, this optional feature offers an innovative and valuable addition to the TIFFIN GH Series.

Jump Seats:

The Tiffin GH Series is designed with convenience in mind, featuring two optional jump seats (Figure 4-4) equipped with seatbelts for added passenger safety. These seats are covered in Ultrafabric, a next-generation material that combines high-performing functionality with exceptional comfort. Based on state-of-the-art engineering, Ultrafabric creates intelligent materials focused on unlimited creativity, lasting durability, and greener solutions—constantly innovating with both people and planet in mind.

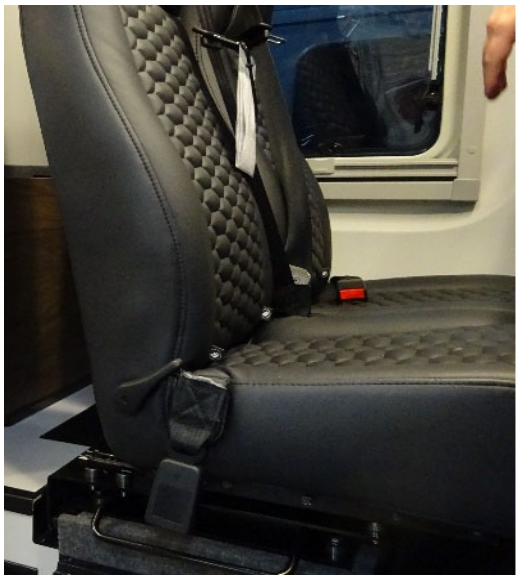


Figure 4-4: Jump Seats

Inherent Benefits of Ultrafabrics:

- **Animal Friendly** – Ultrafabric materials are vegan and do not use any animal-derived components, making them an ethical choice for upholstery.
- **No Formaldehyde/Chromium** – These fabrics are free from harmful chemicals like formaldehyde and chromium, which can be found in some traditional leather tanning processes.
- **Low VOCs – Volatile Organic Compounds (VOCs)** can contribute to indoor air

pollution. Ultrafabrics materials have low VOC emissions, making them safer for indoor environments.

- **Phthalate Plasticizer Free** – Phthalates are chemicals used to make plastics more flexible, but they can be harmful. Ultrafabrics avoid these additives, ensuring healthier material.
- **Optimal Yield** – The fabric is designed for efficient use, meaning less waste during production and installation.
- **Fade Resistant** – Ultrafabrics materials are engineered to resist fading, maintaining their color and vibrancy over time.
- **Odorless** – Unlike some synthetic materials, Ultrafabrics does not have a strong chemical smell, making it more pleasant to use.
- **Skin Friendly, Non-allergenic** – The fabric is gentle on the skin and does not contain allergens that could cause irritation.
- **Soft Hand** – This refers to **the luxurious, soft texture** of Ultrafabrics, making it comfortable to touch.
- **Worry-Free Performance** – Ultrafabrics are durable, easy to clean, and resistant to wear, ensuring long-lasting quality.

These benefits make Ultrafabric a high-performance and eco-conscious choice for upholstery in vehicles, furniture, and other applications.

Cleaning & Maintenance

To ensure the jump seats remain in excellent condition, proper maintenance is key. The best way to keep Ultrafabrics looking great is through regular cleaning to prevent excessive dirt buildup. A simple 3-step process is recommended:

1. Clean with either soap & water or an alcohol-based cleaner.
2. Thoroughly rinse all solution residue with clean water.
3. Air dry naturally for the best results.

For stubborn stains, wipe with isopropyl alcohol as soon as possible. No aftercare treatments are needed or recommended. By following these simple steps, the Ultrafabric-covered jump seats in the Tiffin GH Series will maintain their durability, performance, and premium feel for years to come.

Lagun Table:

The Tiffin GH Series is designed with versatility in mind, offering Lagun table (Figure 4-5) mounts to enhance functionality and convenience. These mounts provide a stable, adjustable surface that can be easily swiveled and repositioned to suit different needs.

Figure 4-5: Lagun

For those selecting the Adventure Bar, the Lagun table mount is strategically positioned on the passenger side, situated behind the passenger seat. This configuration optimizes gear storage and workspace, making it an excellent choice for adventure enthusiasts who require a functional area for organizing equipment or preparing meals while traveling.

Alternatively, opting for the Jump Seats places the Lagun table mount on the driver side, behind the driver seat. This setup is designed to seamlessly integrate with the additional seating arrangement, allowing passengers to utilize the table for dining, working, or socializing during their journey.

These thoughtful placement options ensure that the GH Series interior remains adaptable, catering to different travel styles and preferences. Whether you prioritize storage and adventure-ready features or extra seating and comfort, the Lagun table mount is positioned to maximize usability in your chosen layout.

Figure 4-6: Lagun Table

Setting Up the Lagun Table (Figure 4-6):

1. Insert the Table Leg
    - Slide the table leg into the rail of the pre-installed mounting plate.
2. Secure the Handle
    - Tighten the handle of the table leg firmly to ensure stability.
3. Test Stability
    - Verify that the table leg can bear the load by carefully applying pressure from above.
    - If necessary, tighten the handle again for added security.
4. Attach the Lagun Arm
    - Place the Lagun arm, along with the under-table mounting plate and the pre-assembled tabletop, onto the installed leg.
5. Adjust Arm & Tabletop
    - Tighten the arm and tabletop as required. The firmer the grip, the harder it will be to move them.

Outdoor Table:

The Tiffin GH Series is designed with convenience and functionality in mind, featuring an outside table (Figure 4-7) that enhances outdoor usability. This table is adjustable with an L-Track system (Figure 4-8), allowing users to customize its positioning for various needs, whether dining, working, or simply relaxing outside the vehicle. The secure magnetic lock closure ensures that the table remains firmly in place when not in use, preventing unwanted movement during travel or storage. These features contribute to the GH Series reputation as a well-equipped adventure van, offering practical solutions for adventurers who value efficiency and ease of use.

Figure 4-7: Outside Table

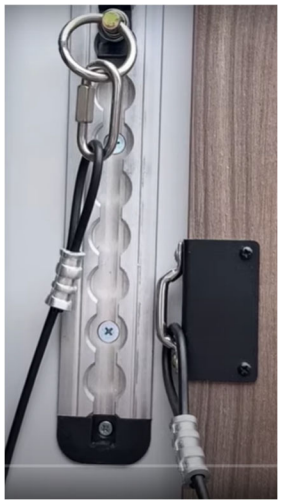


Figure 4-8: Outside Table L-Track System

Lift Bed:

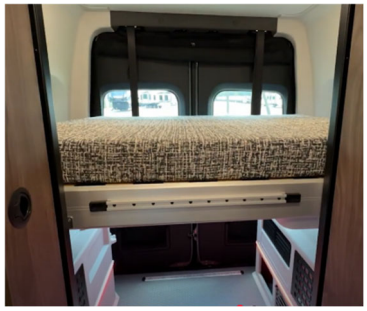


Figure 4-9: EuroLoft Bed Lift

The EuroLoft™ Bed Lift (Figure 4-9) in the Tiffin GH Series is an advanced, space-saving sleeping solution that enhances functionality and convenience within the motorhome. This motorized system operates using a durable nylon strap-based mechanism, ensuring smooth and stable movement. Powered by the house batteries, the lift remains operational even when the vehicle is disconnected from shore power, providing reliable performance in various settings.

Designed with a weight capacity of 800 pounds, the EuroLoft™ is engineered for durability and support. The single motor drives four support mounts, delivering even and controlled motion at a rate of 2.3 inches per second. When raised, the nylon straps retract into the bed base, maintaining a clean and streamlined aesthetic while maximizing available living space.

The operation of the bed is intuitive, with a key-based locking system (Figure 4-10) for security. To adjust the bed's position, the key must be placed in the horizontal position, allowing it to be lowered or raised as needed. When the key is in the vertical position, the bed remains locked in place to prevent unintended movement.

This combination of robust engineering and user-friendly functionality makes the EuroLoft™ Bed Lift a sophisticated addition to the Tiffin GH Series.

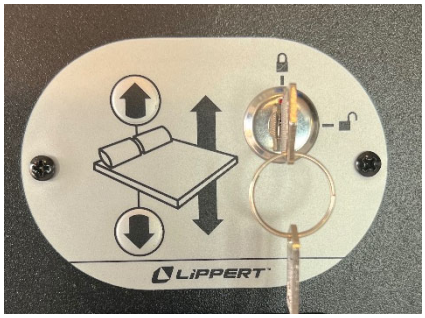


Figure 4-10: Bed Lift Key-Based Locking System

Bed Step:

The Tiffin GH Series is designed with convenience and accessibility in mind, offering a built-in bed step (Figure 4-11) that makes getting onto the lift bed effortless. This feature is especially useful for those who prefer a stable and secure way to climb into bed without strain. The step is seamlessly integrated into the design, ensuring both functionality and aesthetic appeal, while providing an added touch of comfort for users. Whether for everyday use or enhancing the overall ease of movement within the space, the bed step is a practical addition that underscores Tiffin's commitment to quality and thoughtful engineering

Figure 4-11: Bed Step

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CHASSIS FEATURES

Chapter

5

Performance:

The Tiffin GH Series is built on a Mercedes-Benz® 2500 Sprinter Cargo Van that combines robust engineering with an array of advanced features to ensure optimal performance and versatility. Built on the feature-loaded Sprinter Cargo Van chassis, this vehicle is powered by the impressive Mercedes-Benz® 2.0L 4-Cylinder Twin Scroll Turbo Diesel Engine, which delivers 208 horsepower and 332 lb-ft of torque for a reliable and responsive driving experience. Its all-wheel-drive capability enhances traction and control, making it suitable for a variety of terrains and weather conditions. Whether you're navigating urban streets or rugged landscapes, this van provides unmatched dependability and efficiency for all your cargo-hauling needs.

The Tiffin GH Series is equipped with advanced features that ensure reliable performance and efficiency in various driving conditions. It incorporates the Mercedes-Benz® 9-Speed Shiftable Automatic transmission, providing smooth and adaptable gear transitions for enhanced control and driving comfort. The vehicle is powered by dual alternators, including a 220 Amp Primary and a 280 Amp Secondary Alternator, offering robust electrical capacity to support multiple systems and accessories. Additionally, the (1) 12-Volt AGM Chassis Battery contributes to dependable power storage and performance. To keep the engine operating at optimal temperatures, the Tiffin GH Series also features a Front Radiator, ensuring effective cooling even under demanding conditions. Together, these components make the Tiffin GH Series a standout vehicle in terms of capability and reliability.

Shocks:

The Mercedes adventure van comes equipped with a robust suspension system designed to handle a variety of terrains, ensuring a comfortable and stable ride for explorers. However, for those looking to enhance off-road performance even further, Fox Shocks are available as an optional upgrade. These high-performance shock absorbers provide superior damping capabilities, improving traction, ride quality, and durability on rough trails and rugged landscapes. Whether sticking with the standard setup or opting for Fox Shocks, adventurers can tailor their van’s suspension to suit their travel needs and preferred driving experience.

Brakes:

The Tiffin GH Series is equipped with a comprehensive braking system designed for safety and reliability. It features four-wheel ABS (Anti-Lock Braking System) brakes, ensuring stable braking and preventing wheel lock-up during sudden stops or slippery conditions. The manual parking brake provides a simple yet effective way to secure the vehicle when parked, offering additional peace of mind. Additionally, the active brake assist system with collision mitigation enhances safety by detecting potential obstacles and automatically applying braking pressure to help prevent or minimize collisions. Together, these features deliver exceptional control and confidence while on the road.

Tires and Wheels:

The Tiffin GH Series is designed for durability and superior performance, outfitted with reliable components that ensure smooth and secure travel. It sits on four LT245/70 R17 BF Goodrich all-terrain T/A KO2 tires, renowned for their rugged design and traction in diverse environments, from highways to challenging off-road terrains. Complementing these tires are high-quality off-road wheels, which not only enhance the vehicle’s stability but also add a stylish touch to its appearance.

This combination makes the Tiffin GH Series a dependable choice for adventures that demand robust and versatile equipment.

To keep your Off-Road wheels in top condition, follow these cleaning and maintenance steps:

1. Regular Cleaning:
    - Start by rinsing the wheels with water to remove loose dirt and debris. This prevents scratches during cleaning.
    - Apply a pH-balanced wheel cleaner or degreaser suitable for your wheel's finish. Avoid harsh chemicals that can damage the surface.
    - Use a soft-bristle brush to gently scrub the wheels, paying attention to intricate areas and crevices.
    - Rinse thoroughly to remove all traces of cleaner and loosened dirt.
    - Dry the wheels completely with a clean microfiber cloth to prevent water spots.
2. Deep Cleaning:
    - For a thorough clean, consider removing the wheels from your vehicle. This allows access to the back side of the wheels and wheel wells.
    - Follow the regular cleaning steps for the face and barrels of the wheels. If dismounted, clean the back of the wheels and spokes as well.
    - Use an iron remover to break down brake dust and other contaminants during deep cleaning.
3. Protection:
    - Apply a high-quality wax, sealant, or ceramic coating to protect the finish. This creates a barrier against brake dust, road grime, and other contaminants.
    - Avoid using acidic or alkaline cleaners, as they can harm the wheel's finish. Stick to pH-balanced products designed for wheels.
4. Maintenance:
    - Inspect the wheels regularly for signs of damage or wear. Address any issues promptly to maintain their integrity.
    - Clean the wheels frequently to prevent the buildup of brake dust and grime, preserving their appearance and extending their lifespan.

By following these steps, your wheels will remain in excellent condition, ensuring both aesthetics and performance for years to come.

TIFFIN

GH SERIES

ELECTRICAL FEATURES

Chapter

6

General Information:

There are two electrical systems in your Tiffin GH Series Van. These are the 12-volt DC (VDC) system and the 120-volt AC (VAC) system. Most standard appliances require the 120-VAC system, while the majority of the lighting systems used in the Tiffin GH Series use the 12-VDC electrical system.

The house battery bank is charged by the 30A shore power plug running through the inverter/ charger. The auxiliary alternator also charges the batteries when the engine is running.

The electrical power for the 120 VAC is supplied by the 30 AMP shore power cord when the Tiffin GH Series is connected to an external power source. The inverter can also supply 120 VAC electrical power.

To connect the Tiffin Van to an external source of 120 VAC electrical power, it is first recommended that main 30-amp circuit breaker is in the "off" position. This is done to prevent any power surge upon connecting the Van to the external power source. The standard, flexible, power cord supplied with the Tiffin GH Series is designed to handle 30 amperes. Make sure that the pins in the male end of the plug are oriented correctly so they match the power cable, and they are in good condition (i.e., aren't bent or damaged).

CAUTION

Failure to turn off the 120 VAC appliances when starting or stopping the generator may damage the transfer switch and/or electrical appliances.

Note: Do not attempt to use any electrical adapters to convert the provided 30amp power cord, as this will damage electrical components inside the Van.

If there is a circuit breaker switch at the "plug" end of the power cord, that breaker should be turned "off" before making the connection. Insert the plug into the mating outlet and then turn the circuit breaker "on." Close and lock the electrical compartment door to protect the contents and to keep them clean and dry. Close the cover on the power box, if so equipped, to avoid an unintentional disconnection and to keep the contents clean and dry. Then switch the main breaker to the "on" position.

Shore Power:

The Tiffin GH Series utilizes the SmartPlug (Figure 6-1) for shore power located at the rear of the van on the driver's size. The 30-amp shore power cord (Figure 6-2) can be used to charge the house battery or power the Van directly

Note: Do not attempt to use any electrical adapters to convert the provided 30amp power cord, as this will damage electrical components inside the Van.

Figure 6-1: SmartPlug

Figure 6-2: 30-amp Shore Power Cord

Batteries:

The Tiffin GH Series offers reliable and efficient power solutions tailored to various energy needs. Equipped with the 540-Amp Hour Battle Born Lithium-Ion Battery Kit (Figure 6-3) as standard, it delivers dependable energy storage, ensuring extended usage and optimal performance for off-grid adventures. For those seeking enhanced power capacity, the optional 810-Amp Hour "Max Power" Battle Born Lithium-Ion Battery Kit provides an upgraded solution, allowing for increased energy availability and longer operating times. Both battery kits feature advanced lithium-ion technology, offering superior longevity, faster charging, and consistent power delivery, making the GH Series a top-tier choice for travelers who require robust and efficient energy systems.

Figure 6-3: Battle Born Battery

Proper battery maintenance is essential for ensuring longevity, efficiency, and safety. Here are key steps to maintain the Battle Born Lithium-Ion Battery Kits used in the Tiffin GH Series:

1. **Regular Charging** – Keep the batteries charged within their recommended range. Avoid letting them fully discharge for extended periods, as this can affect performance.
2. **Temperature Management** – Lithium-ion batteries perform best in moderate temperatures. Protect them from extreme heat or cold, as excessive temperatures can degrade battery life.
3. **Proper Storage** – If storing for an extended period, ensure batteries are charged to around 50% and kept in a cool, dry place. Disconnect any unnecessary loads to prevent gradual drain.

4. **Avoid Overloading** – Do not exceed the power capacity of your battery system. Check that all connected devices operate within the battery's specifications.
5. **Routine Inspections** – Periodically check cables, connections, and terminals for signs of corrosion, loose connections, or damage. Address any issues promptly to prevent performance loss.

By following these steps, you'll ensure that your battery system remains reliable and efficient for your travels.

Inverter:

The Tiffin GH Series Adventure Van is designed for off-grid exploration, and integrating a 3,000-Watt Victron Pure Sine Wave Inverter/Charger (Figure 6-4) enhances its capability to provide reliable power wherever the journey leads. This high-performance inverter ensures clean and stable electricity, making it ideal for running sensitive electronics, appliances, and charging devices without interference. With its seamless transition between shore power and battery charging, the Victron system optimizes energy efficiency, allowing adventurers to stay powered up in remote locations. Whether navigating rugged terrain or setting up camp in the wilderness, the GH Series electrical system—bolstered by the Victron inverter—delivers dependable energy, ensuring comfort and convenience on every expedition.

Figure 6-4: Victron Pure Sine Way Inverter/Charger

Maintaining your 3,000-Watt Victron Pure Sine Wave Inverter/Charger ensures optimal performance and longevity. Here are some key maintenance steps:

1. **Regular Inspection** – Periodically check for dust buildup, loose connections, and signs of wear on cables and terminals.
2. **Cooling System Care** – Ensure the inverter's ventilation is unobstructed and clean the cooling fans to prevent overheating.
3. **Battery Maintenance** – If connected to a battery bank, monitor battery health, voltage levels, and ensure proper charging cycles.
4. **Firmware Updates** – Keep the inverter's firmware updated via Victron's software tools to benefit from performance improvements.
5. **Load Management** – Avoid overloading the inverter beyond its rated capacity to prevent strain on internal components.
6. **Environmental Protection** – Install the inverter in a dry, well-ventilated area to prevent moisture damage.
7. **Periodic Testing** – Run occasional tests to verify proper operation and troubleshoot any irregularities.

Battery Disconnect Switch:

Figure 6-5: Battery Disconnect Switch

The master battery disconnect switch is strategically positioned at the rear of the GH Series on the driver's side, serving as a critical component in managing the vehicle's electrical power. When set to the "OFF" position, this switch prevents the batteries from receiving any charge from the 30A shore power connection. This isolation ensures that onboard electrical components do not inadvertently drain the battery when external power is unavailable. However, an exception to this disconnection is the auxiliary alternator charge, which remains active while the vehicle is running. This design helps maintain battery charge without interruption during transit, providing reliability and efficiency for continuous power needs.

Battery Merge:

Figure 6-6: Battery Merge

Positioned to the left of the steering wheel, the battery merge (Figure 6-6) feature provides a reliable solution for emergency starting by allowing the house battery to connect with the chassis battery. This functionality is particularly useful in situations where the chassis battery lacks sufficient charge to start the vehicle. By activating the battery merge function, power from the house battery supplements the chassis battery, ensuring a successful ignition. This feature enhances vehicle resilience, offering a dependable backup in case of unexpected battery depletion. Designed for ease of use, the system enables seamless operation without requiring external assistance, making it an essential component for self-sufficient travel and off-grid expeditions.

120 – VOLT AC (VAC) Receptacles:

Your Tiffin GH Series is equipped with several 120 VAC receptacles (Figure 6-7) located throughout the interior of the Van.

Figure 6-7: 120 VAC Receptacle

These 120 VAC receptacles are of the "three-prong" variety; the third prong being a grounding pin which provides adequate grounding to protect one from any electrical shock.

For these receptacles to work properly, do not use an adapter, cheater, or extension cord which defeats the function of the grounding pin. For the same reason, never remove or bend away the ground prong or pin from any three-prong AC plug so that it would fit a two-prong AC receptacle (i.e., an ungrounded AC receptacle).

Never operate the Tiffin Van if there is an electrical short present, as an electrical short may deliver an electrical shock to anyone coming in contact with the exterior of the unit.

If you should feel even the slightest of electrical shock, immediately disconnect the unit from the 120 VAC power source and contact a technician for assistance.

Do not reconnect the 120 VAC power until after that electrical fault is fixed— the grounding circuit must be continuous from the frame to the distribution panel, to the power cord, and to the earth ground so that electrical-shock protection is realized.

Ground Fault Circuit Interrupt (GFCI) Receptacles:

The Tiffin Van has two 120 VAC GFCI receptacles (Figure 6-8), which provide greater protection against inadvertent electrical shocks. One is located on the PS bench rear and the other is located on the PS running board rear.

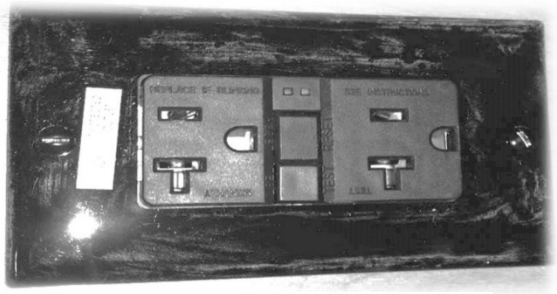


Figure 6-8: 120 VAC GFCI Receptacle

These specialized GFCI receptacles provide both overload and short-circuit protection for the user.

All GFCI-protected receptacles are marked as such, but only one of them may have two pushbuttons on the receptacle (as shown in the picture). The upper pushbutton is a "test" button which can be used to assure that the GFCI function is working—to test this function push that upper button: There will be a momentary "click" and the circuit will be disconnected (i.e., no power is available at the GFCI-protected receptacles). To reset this GFCI breaker, push the lower button (the "reset")

These receptacles protect the user from ground faults between an electrically "hot" wire and ground. The GFCI will not reduce the shock hazard if the short is between a neutral and "hot" wire, or two "hot load" wires. The GFCI should be tested at least once a month. The 120 VAC electrical system must be "on" for the GFCI to be tested. To test the GFCI the reset button needs to be pushed in fully before starting the test. Push the test button; this will cause the reset button to pop out which means that the protected circuits have been disconnected. Push the reset button back in until a "click" is heard—this will re-activate the protected circuit. If the GFCI is working properly, the reset button will remain in the "in" position.

Circuit Breakers:

The circuit breakers and fuses are installed to protect the electrical system of the Tiffin GH Series from any overloads. Do not attempt to change the electrical circuitry or to add appliances yourself.

Please consult an authorized Tiffin GH Series dealership to determine whether any changes you desire are appropriate and acceptable. Tiffin qualified staff of electricians can readily determine whether any changes sought (e.g. solar, radio, amateur radio, satellite television receiver, personal computer system, and the like) are possible or not and can advise you on how best to realize these enhancements.

Figure 6-9: 120 VAC Distribution Load Center

The circuit breakers are housed within the primary 120 VAC distribution load center (Figure 6-9), located on the driver's side beneath the Adventure Bar™.

When the circuit breakers are shut down or electrically tripped, they must be manually reset. As needed, manually reset the circuit breaker or breakers as shown in the accompanying figure.

The panel has a main 30amp breaker which turns off all incoming power to the panel's branch breakers. All branch breakers are labeled as to their function.

Tank and Battery Heat Switch:

In the Tiffin GH Series, the tank heat and battery heat switches (Figure 6-10) are located adjacent to the master battery disconnect switch at the rear driver's side of the vehicle (Figure 6-11). These switches are strategically positioned to provide convenient access for managing thermal regulation systems, ensuring optimal functionality in varying environmental conditions.

Figure 6-10: Tank and Battery Heat Switches

The tank heat switch disables power to the thermostat that controls the holding tank heat pads, preventing them from activating when the pad temperature reaches freezing levels. By shutting off this power, users can effectively manage energy consumption while ensuring the RV remains well-prepared for extended storage in cold environments. The ability to control tank heating is especially useful in situations where external temperatures are expected to stay below freezing for prolonged periods, allowing users to prevent unnecessary power drain while still safeguarding their plumbing systems.

Figure 6-11: Location of Tank and Battery Heat Switches

The battery switch shuts off power to the thermostat regulating the battery heaters, ensuring they do not engage when the battery temperature drops to freezing. Battery heaters play a crucial role in maintaining the longevity and operational capacity of RV batteries, especially in extreme weather conditions. However, continuous heating can lead to unnecessary energy depletion, particularly when the vehicle is parked for an extended time in cold temperatures. With this switch, RV owners can manage their battery power strategically, preventing excessive drain while keeping the batteries within their safe operating range.

These switches are specifically designed for RV owners who plan to store their vehicle in freezing conditions for extended periods. By cutting off all power to the van, users can prevent rapid battery depletion while still protecting the holding tanks from freezing and maintaining the batteries within their operational range (-4°F). It is important to note that batteries will not accept a charge if their internal temperature falls below 25°F. However, these switches allow users to disable the heater as needed for long-term storage, ensuring flexibility in power management. This level of control is particularly useful for travelers who leave their RVs parked in cold climates for weeks or months at a time, as it provides a tailored solution to balance energy conservation with essential heating functions. By leveraging these switches effectively, users can enhance the durability and efficiency of their RV's power systems while ensuring continued reliability in freezing temperatures.

Overhead Light Bar:

In the Tiffin GH Series, the roof rack light bar (Figure 6-12) is conveniently operated via a dedicated switch (Figure 6-13) located on the passenger side of the steering wheel. This placement ensures easy access for the driver, allowing for quick activation when needed, whether navigating low-light conditions or enhancing visibility during off-road excursions. The integration of the switch within the vehicle's control system maintains a seamless and user-friendly experience, reinforcing the GH Series commitment to both functionality and convenience.

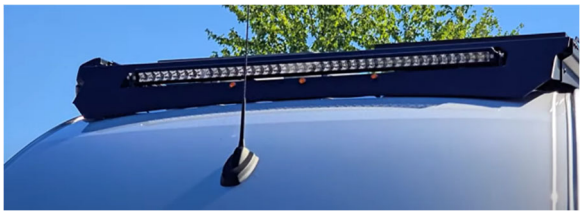


Figure 6-12: Roof Rack Light Bar

Figure 6-13: Roof Rack Light Bar Switch

Solar Controller:

The Go Power 30-Amp Single-Bank Bluetooth-Enabled Solar Controller (Figure 6-14) is designed to regulate the flow of solar energy to your battery system, preventing overcharging and optimizing performance. Here's how to use it:

1. Powering On & Display: The controller is located at the master control center. Once powered, the backlit LCD screen will display essential battery stats, including battery voltage, PV charging current, and battery state of charge.
2. Bluetooth Connectivity: You can connect the controller to the Go Power! Connect app via Bluetooth. This allows remote monitoring and adjustments, including setting the battery type and toggling Maximum Power Boost mode.

Figure 6-14: Solar Controller

3. Battery Charging Profiles: The controller supports four battery types—Sealed/Gel, AGM, Flooded, and LiFePO4 (lithium). You can select the appropriate profile through the menu settings.
4. Charging Stages: The system operates in four charging stages—Bulk, Absorption, Float, and Equalize—to ensure efficient battery maintenance.
5. Installation & Wiring: The controller features heavy-duty terminals for low-resistance connections and is suitable for 12V solar systems up to 30 amps.

Starlink Mini:

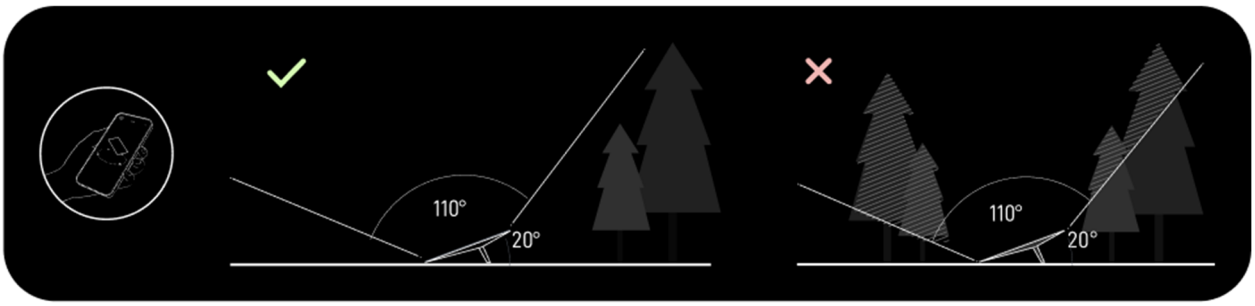
The Tiffin GH Series is designed to keep you connected wherever your travels take you, coming standard with Starlink prep for seamless satellite internet integration. This means the vehicle is prewired and ready to support Starlink, ensuring a hassle-free setup for high-speed connectivity on the road. For those who want instant access to satellite internet without additional installation steps, the GH1 also offers an optional Starlink Mini—a compact yet powerful system that delivers reliable internet service in remote locations. Whether you're working remotely, streaming entertainment, or staying in touch with loved ones, the GH Series connectivity options make it easier than ever to enjoy modern conveniences while exploring the open road.

1. Download the Starlink App

Download the Starlink App and scan the QR code to step through the install process.

2. Find A Clear View of Sky and Check for Obstructions

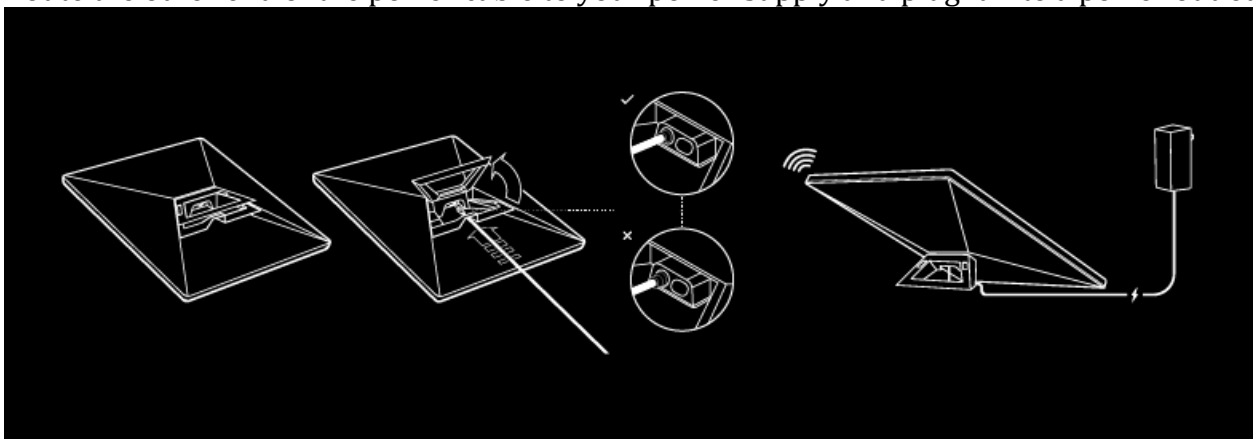
Your Starlink needs a clear view of the sky so it can stay connected with satellites as they move overhead. Objects that obstruct the connection between your Starlink and the satellite, such as a tree branch, pole, or roof, will cause service interruptions. Use the obstruction tool in the app to ensure you have selected a suitable mounting location. Click here for video guidance on obstructions.



If you could not find a clear field of view from the ground level, consider installing in an elevated location, like a roof, pole, or wall. A Mini Pipe Adapter and Flat Mount comes included in the kit and additional mounts and accessories are available for purchase on the Starlink Shop.

3. Plug in Starlink

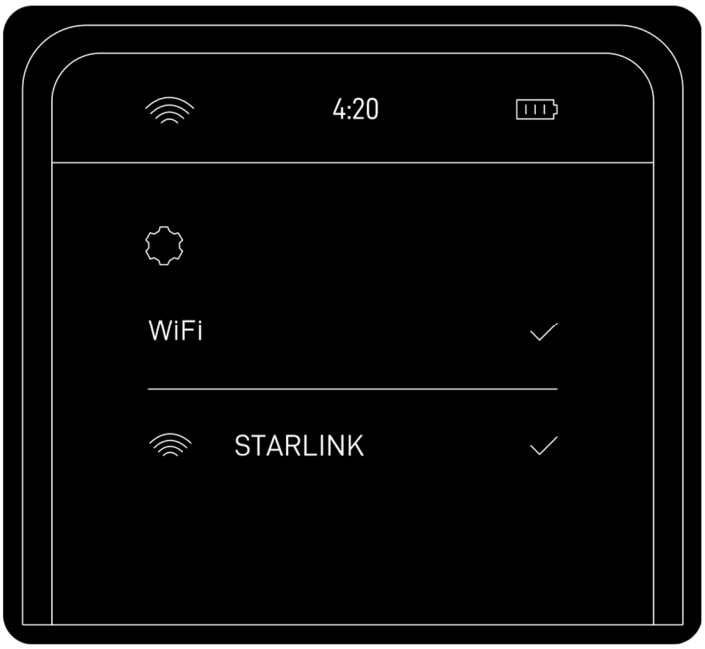
The Starlink Mini has an integrated Wi-Fi router, meaning a separate router is not required to get online. Lift the kickstand and plug one end of the provided cable into your Starlink. Ensure the plug is fully inserted such that the plug face is flush with the surface.
Route the other end of the power cable to your power supply and plug it into a power outlet.



4. Connect to Wi-Fi

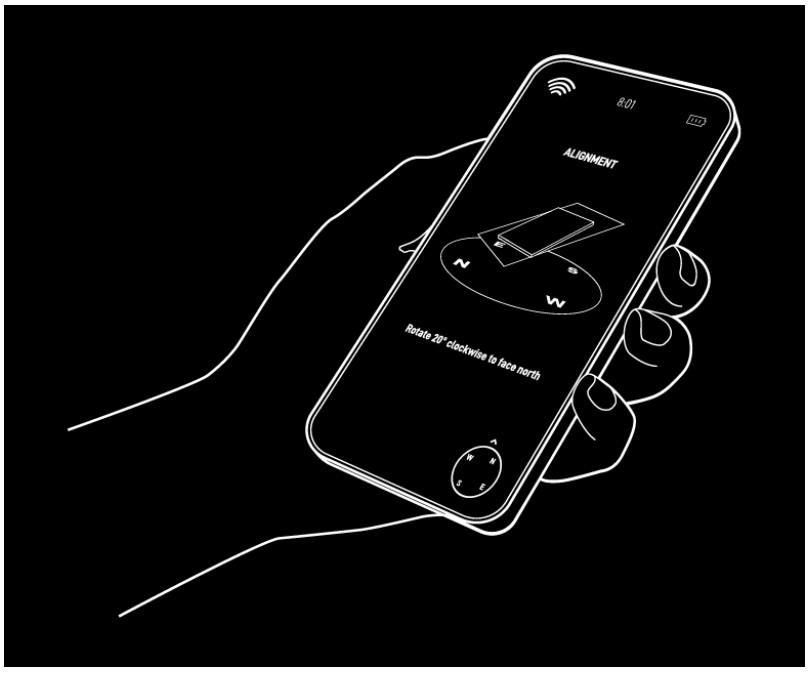
a. On your device, find and connect to the STARLINK network in your Wi-Fi settings
b. To secure your Starlink Wi-Fi network, use the Starlink App to rename your Starlink Wi-Fi network and create a Wi-Fi password. Open the Starlink App > Settings > Router > enter the desired Wi-Fi network name and password > Save.

- This step is optional, but we recommend securing your Wi-Fi network.



c. You are now connected! Open the Starlink App to customize additional settings, check your connection, and more.

5. Align Starlink Your Starlink Kit needs to face the right direction to connect to the maximum number of satellites for the strongest connection. Set up Starlink, ensuring the kit is tilted using the kickstand.

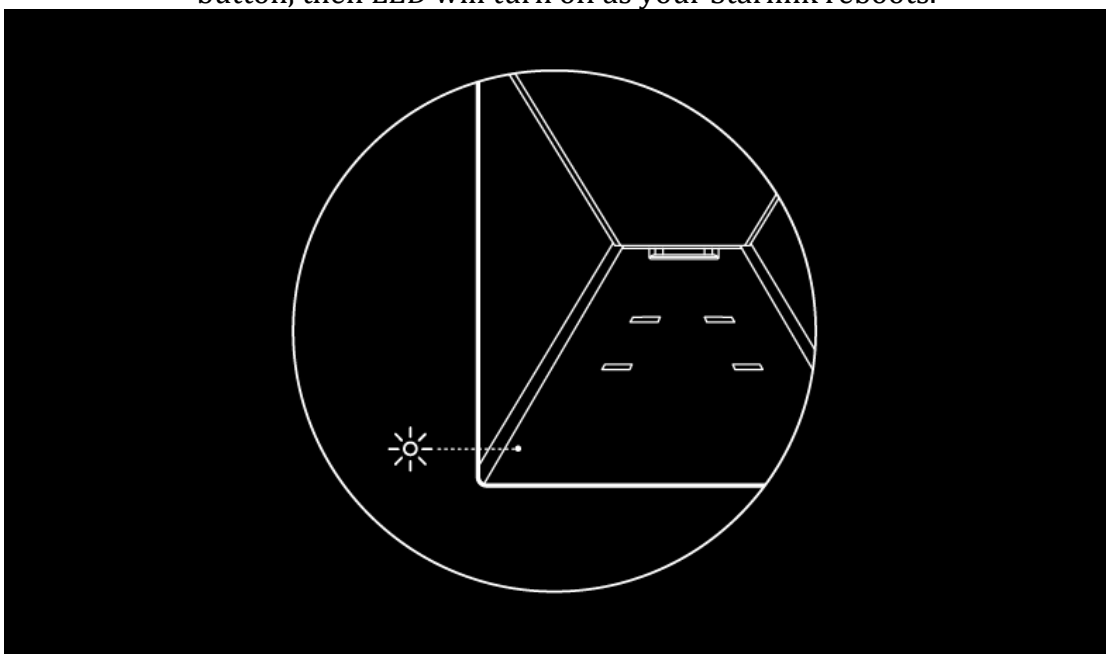


Note: If your Starlink is aligned within 5°, the app will not alert you, indicating your Starlink is properly aligned.

Multiple Starlinks: If installing multiple Starlinks in one location, the minimum separation distance from the mount center to mount center should be 3 meters. A third-party router can be used to connect the Starlinks together into one network and provide load balancing, traffic shaping, failover, and other advanced capabilities.

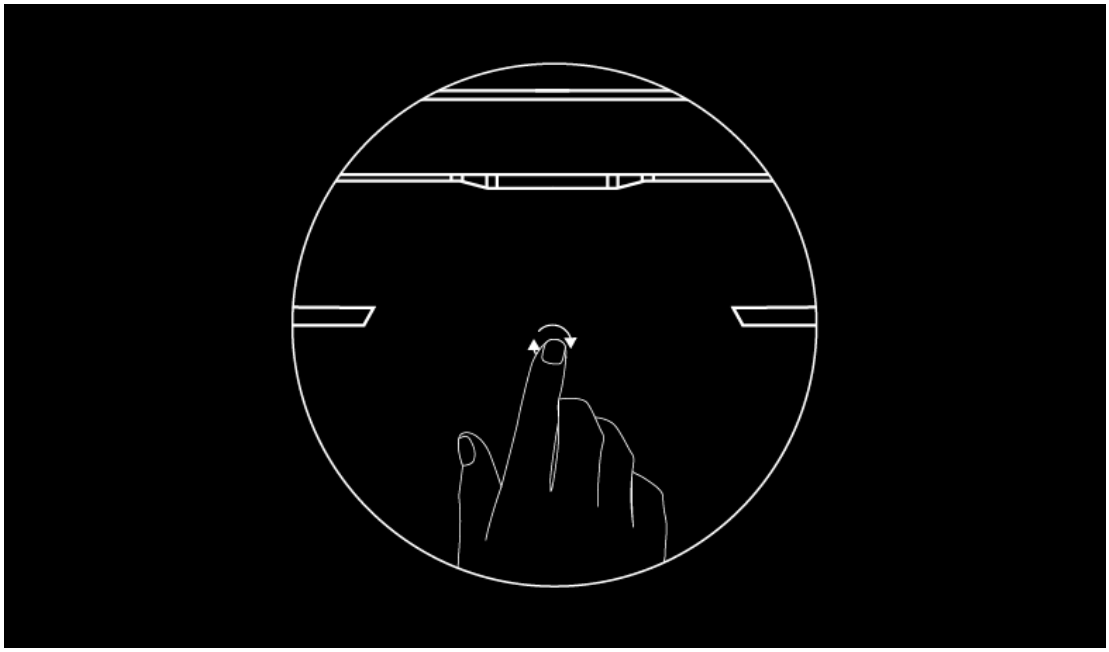
Can't Get Online?

1. Open the Starlink App to check for any alerts, outages, or obstructions.
2. Check the status light on the back of your Starlink.
    - **Slow Blinking:** Powered on.
    - **No Light:** No power to Starlink.
    - **Fast Blinking:** LED will blink quickly for 3 seconds while holding down the reset button, then LED will turn off as your Starlink reboots.



3. Make sure everything is securely and fully plugged in and there is no damage to hardware or cables.
4. Power cycle your Starlink by unplugging from power and then plugging back in.
5. Factory reset the Starlink by locating the reset icon on the back. Press down firmly until you hear or feel a click and hold for 3 seconds. The LED will blink quickly and shutoff when complete. Step through the install process to set up your Mini and get online.
6. Starlink Mini operates with an input voltage range of 12-48V. If you're experiencing issues while using a 12V power supply or battery, try reducing the cable length or using a thicker gauge cable. You can also improve performance by supplying power at a higher voltage if possible. An easy solution is to use the Starlink Mini USB-C cable with a 100W USB-C power supply or the Starlink Mini Car Adapter.

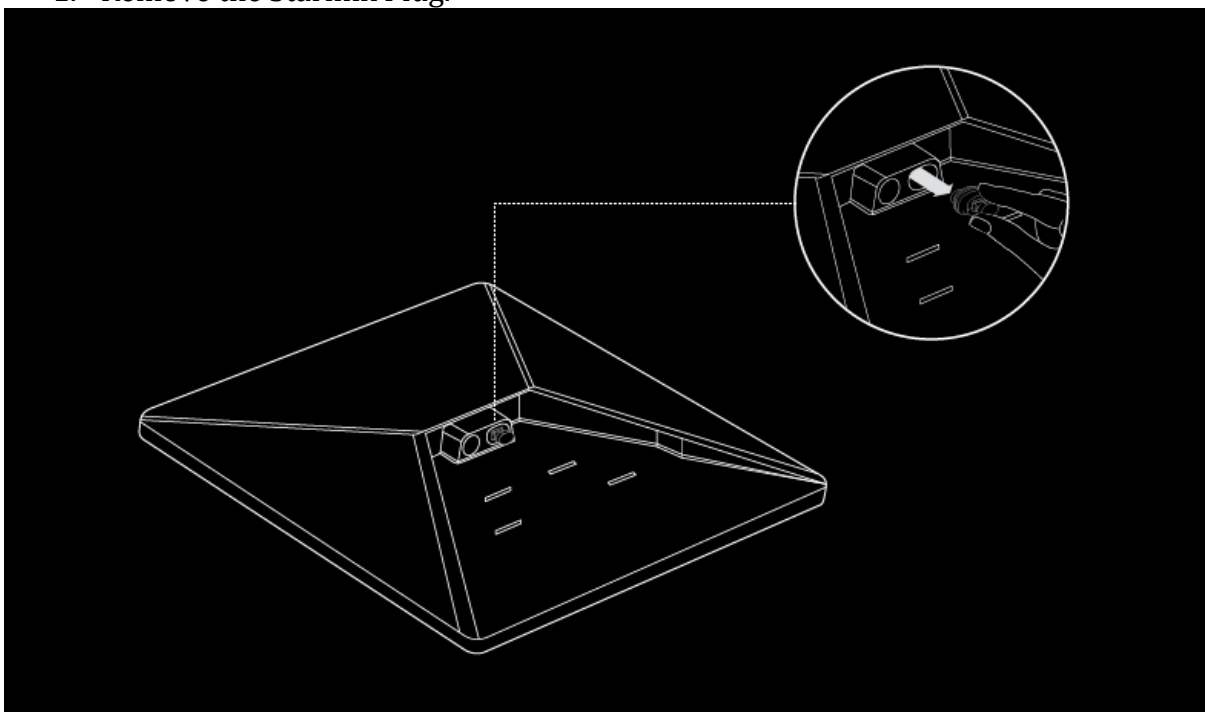
Note: Your network name and password will be reset after completing factory reset. Look for 'Starlink' network during setup and configure your network to your preferred network name and password.



Using Mesh or Third-Party Router

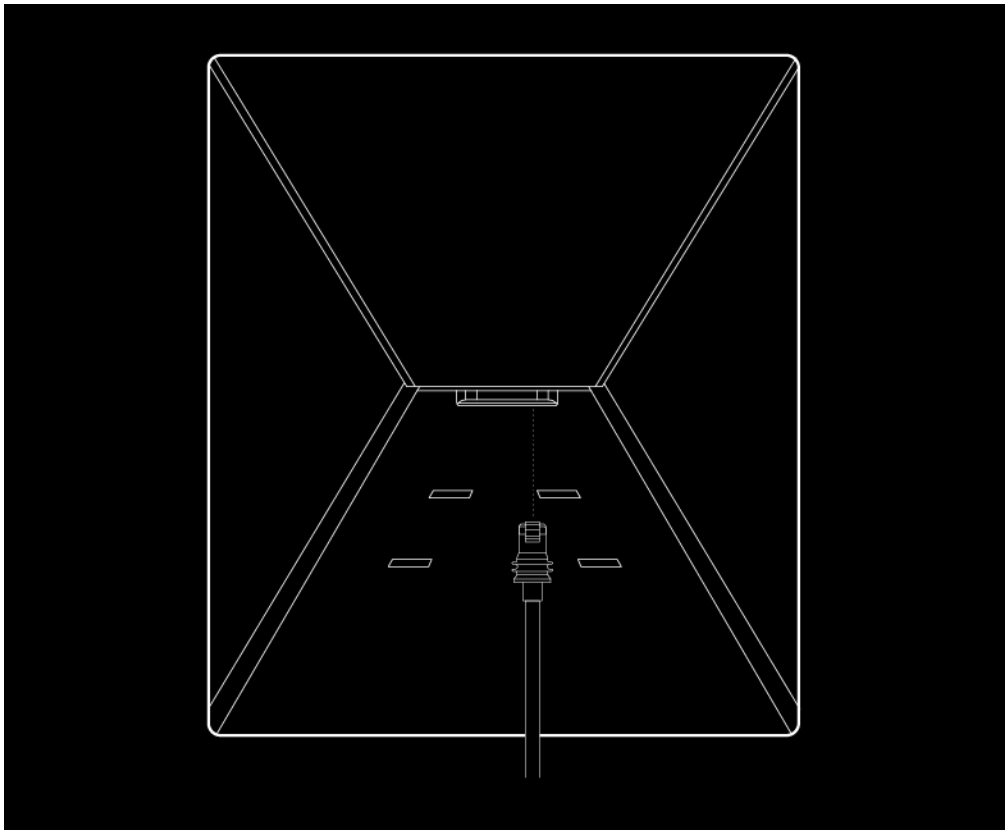
If you want to set up a mesh system with a Starlink router, you can hardwire a router via an ethernet cable into the RJ45 port or create a wireless mesh network. You can also use your own router via the RJ45 port in bypass mode.
To hardwire a router to your Mini:

1. Remove the Starlink Plug.



2. Plug the Mini Starlink Cable available on starlink.com/shop or your own ethernet cable into the ethernet port. Connect the other end of your cable to a Starlink Gen 3 router or third-party hardware.

Note: Use the Mini Starlink Cable available on starlink.com/shop to protect your dish against water ingress. The Mini is no longer IP67 rated waterproof with a third-party RJ45 cable.



3. If you're using a third-party router, use the Starlink App to put the integrated Wi-Fi router into bypass mode. Manual factory reset is required to disable bypass mode.

TIFFIN

GH SERIES

EXTERIOR FEATURES

Chapter

7

Towing Hitch:

The Tiffin GH Series is equipped with a sturdy towing hitch (Figure 7-1) located at the rear, designed to accommodate a maximum towing capacity of 5,000 pounds. This feature allows for effortless hauling of trailers, small vehicles, or additional gear, making it ideal for extended road trips or recreational adventures. Engineered for durability and reliability, the hitch is seamlessly integrated into the vehicle's frame, ensuring a secure and stable towing experience.

Figure 7-1: Towing Hitch

The towing hitch features a standard 7 pin wiring connector. If desired, a trailer brake actuator can be added.

The Van is capable of towing light loads, and instructions are in the chassis manufacturer's literature in the Owner's Information Package provided with the Van.

The total weight of the Van and any vehicle towed by that Van must not exceed the Gross Combined Weight Rating (GCWR).

NOTICE. If drop hitch or receiver extension is added to coach, it reduces ton capacity by half.

The tongue weight must not exceed 10 percent of the towing capacity. Information related to the Van weight and GCWR can be found on a sticker inside the Van closet. Any vehicles to be towed by the Van must have adequate active braking.

Tiffin Motorhomes does not recommend using any type of hydraulic towing lift that attaches to the rear of the Van designed to carry motorcycles, scooters, golf carts, etc.

Mirrors:

The Tiffin GH Series is equipped with the standard rear-view mirror, as well as driver-side and passenger-side mirrors, all of which come as part of the Mercedes chassis. These mirrors are designed to provide optimal visibility, enhancing safety and ease of navigation on the road. The rear-view mirror offers a clear view of the area behind the vehicle, aiding in parking and reversing maneuvers, while the side mirrors help drivers maintain awareness of surrounding traffic and blind spots. Built with high-quality materials and engineered for stability, these mirrors ensure a reliable and seamless driving experience, whether traveling on highways or maneuvering through tighter spaces.

Roof Rack:

The Tiffin GH Series was designed with a roof rack specifically engineered for securely transporting luggage and other gear. This sturdy and well-integrated feature allows travelers to maximize storage space by safely securing suitcases, outdoor equipment, or additional travel essentials on the roof of the vehicle. Built for durability, the rack is constructed from high-quality materials to withstand various weather conditions and road vibrations, ensuring that cargo remains stable and secure throughout the journey. Whether embarking on long road trips or weekend getaways, the roof rack adds a practical element to the GH Series, enhancing its versatility and convenience for travelers who require extra storage capacity.

Ladder:

Figure 7-2: Side-Mounted Ladder

The Tiffin GH Series is equipped with a side-mounted ladder (Figure 7-2), strategically positioned to provide easy and secure access to the roof. Designed with both functionality and durability in mind, the ladder is constructed from high-quality materials to withstand various weather conditions and frequent use. With a 500-pound capacity, it offers robust support for users, ensuring a stable climb. This feature is particularly useful for travelers who need to reach the roof rack for loading and unloading luggage, accessing rooftop equipment, or performing routine maintenance. The ladder's sturdy design allows users to ascend with confidence while maximizing the vehicle's practicality for outdoor adventures and extended road trips.

Running Boards:

A durable and functional running board designed to facilitate easy and safe entry into the van. This running board is equipped with bright, energy-efficient 12V LED lighting, ensuring enhanced visibility and style during nighttime use. Its sleek design and reliable construction make it an ideal addition for added convenience and safety.

Figure 7-3: Driver-Side Running Board

The driver-side running board (Figure 7-3) on the Tiffin GH Series is designed to provide a sturdy and convenient step for the driver when entering or exiting the vehicle. Built from durable materials, it ensures long-lasting performance and resistance to wear from frequent use and various weather conditions. Its non-slip surface enhances safety, allowing the driver to step confidently, even in wet or muddy environments. Positioned at an optimal height, the running board improves accessibility, making entry more effortless while complementing the vehicle's overall design.

Figure 7-4: Passenger-Side Running Board

The passenger-side running board (Figure 7-4) serves a similar function but is specifically tailored for ease of access to the main cabin. This wider, well-constructed step accommodates passengers with a comfortable and secure footing as they enter and exit the vehicle. Whether loading gear for a road trip or stepping into the RV for a relaxing journey, the passenger-side running board contributes to the overall convenience and practicality of the Tiffin GH Series. Like the driver-side counterpart, it is built to withstand daily use and varying environmental conditions, reinforcing the vehicle's commitment to functionality and durability.

Air Compressor:

The Tiffin GH Series is equipped with an onboard ARB air compressor featuring both front and rear mounted chucks (Figure 7-5). This system allows for convenient access to compressed air for inflating tires, powering pneumatic tools, and other applications. The switch (Figure 7-6) for the compressor is strategically placed on the driver seat base (Figure 7-7), making it easily accessible when the driver's door is open. This thoughtful placement ensures quick operation without needing to search for controls, enhancing the vehicle's practicality for off-road adventures or roadside maintenance.

To use the air chucks, first ensure the compressor is powered on by pressing the button on the driver seat base. Then, locate the front or rear air chuck, depending on your needs. Attach the air hose securely to the chuck, ensuring a tight connection to prevent leaks. If inflating tires, connect the hose to the tire valve and monitor the pressure using a gauge. Once the desired pressure is reached, disconnect the hose and secure the chuck cover to protect it from dirt and debris. The system is designed for efficiency and ease of use, making it a valuable feature for travelers and outdoor enthusiasts.

Figure 7-5: Air Chuck

Figure 7-6: Air Compressor Switch

Figure 7-7: Air Compressor Switch Location

TIFFIN

GH SERIES

INTERIOR FEATURES

Chapter

8

Flooring:

The Tiffin GH Series is thoughtfully designed with durable and high-performance Thermoplastic Polyolefin (TPO) flooring (Figure 8-1), providing a resilient, water-resistant, and easy-to-maintain surface that enhances both the comfort and longevity of the vehicle's interior. This specialized flooring material offers excellent resistance to wear and tear, ensuring it remains in top condition even under heavy use, making it an ideal choice for the adventurous traveller.

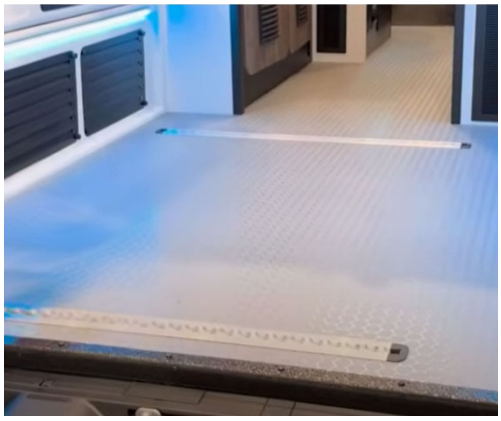


Figure 8-1: TPO Flooring

To maintain and clean your Tiffin GH Series TPO flooring effectively, follow these professional guidelines:

1. **Sprinkle Baking Soda** – Baking soda acts as a gentle abrasive, helping to lift dirt and grime without scratching the surface.
2. **Mix Cleaning Solution** – Combining vinegar, water, and a few drops of dish soap creates a natural cleaner that cuts through grease while being safe for the flooring. **DO NOT** use any abrasive (cleaners, scouring pads and the like) as they can scratch or mark up the flooring surfaces and may cause permanent damage to the flooring.
3. **Mop with Microfiber Mop** – A microfiber mop ensures effective cleaning while avoiding scratches, and the baking soda works to remove stubborn residues.
4. **Rinse Thoroughly** – It's essential to remove all traces of soap and baking soda to prevent buildup and streaking. However, do not over saturate the floor surfaces with water, as this could damage the flooring substrate.
5. **Dry Properly** – Either air-dry the flooring or use a dry microfiber cloth to prevent excess moisture from sitting on the surface.

Owl Components:

When applying Owl Products to the Tiffin GH Series, it is essential to coordinate with Owl for precise securement locations on the floor. Owl maintains a comprehensive collection of floor prints, ensuring that all installations are properly aligned for optimal performance and durability. By consulting Owl, you can access detailed specifications that facilitate a seamless application while allowing you to customize the Tiffin GH Series to suit your preferences. This collaboration ensures that every modification meets the highest standards of functionality and design.

Ceiling:

The ceiling of the TIFFIN GH Series is adorned with a padded vinyl headliner, combining both aesthetic appeal and functionality. This material is designed for durability and ease of maintenance, ensuring it remains in excellent condition with minimal effort.

1. **Prepare the Cleaning Solution:** Dampen a soft cloth with water and a mild detergent.
2. **Wipe the Surface Gently:** Use the cloth to remove dust, dirt, or stains, ensuring a smooth and even application.
3. **Avoid Abrasive Materials:** Do not use harsh brushes or scrubbing tools, as they may damage the vinyl's texture.
4. **Steer Clear of Harsh Chemicals:** Refrain from using strong cleaning agents, such as bleach or ammonia, to preserve the vinyl's appearance and integrity.

It is particularly important to pay close attention to cleaning around the vent areas. Vents can accumulate dirt, grease, or other debris over time, which may impact airflow and overall cleanliness. Regular cleaning in these areas will not only maintain the appearance of the ceiling but also ensure optimal functioning of the ventilation system. Periodic upkeep of the headliner and vents will contribute to a more comfortable and hygienic environment within your vehicle.

Window Treatments:

The TIFFIN GH Series is outfitted with high-quality blackout window shades and a sliding screen shade (Figure 8-2), offering a flexible and customizable window covering system. The blackout shade is designed to completely block out external light, providing optimal privacy and a darkened interior when needed. Meanwhile, the sliding screen shade allows for airflow while preventing insects from entering, making it ideal for ventilation without compromising comfort.

Figure 8-2: Window Shades

Both shades are fully adjustable, allowing you to control how much of the window you wish to cover. By sliding the shades, you can choose to fully block the window for complete privacy or selectively adjust them to cover only a portion, depending on your preference. This versatility ensures that you can create the perfect balance of light, airflow, and privacy to suit your needs, whether you're enjoying natural light during the day or seeking a restful environment at night.

The design and operation of these shades are user-friendly, allowing occupants to easily adjust or deploy them as needed. Regular maintenance and cleaning are recommended to ensure their longevity and continued performance.

Operating the Shade:

1. **Opening the Shade** – Gently slide the shade to expose the screen. This allows fresh air to circulate while keeping insects out.
2. **Adjusting Airflow** – The pleated design enables partial opening, so you can control ventilation while maintaining bug protection.

3. **Blackout Mode** – When full shade is needed, extend the blackout fabric completely to block sunlight and create a cool, dark interior.
4. **Closing the Shade** – Simply slide the shade back into its housing when not in use.

Cleaning the Shade:

1. **Dust Regularly** – Use a soft brush or a vacuum with a brush attachment to remove dust and debris from the shade. This prevents buildup and keeps the fabric looking fresh.
2. **Spot Cleaning** – If there are stains, gently blot the affected area with a damp cloth and mild soap. Avoid scrubbing, as it may damage the fabric.
3. **Avoid Harsh Chemicals** – Stick to mild detergents and avoid strong cleaners that could degrade the material.
4. **Dry Properly** – Allow the shade to air dry completely before retracting it to prevent moisture buildup and mold growth.
5. **Check Mechanisms** – If your shade has magnetic connectors or clip-together moldings, ensure they are clean and functioning properly for smooth operation.

TIFFIN

GH SERIES

PLUMBING & BATH FEATURES

Chapter

9

Kitchen Sink:

The Tiffin GH Series kitchen is a leap into bold innovation, where the benefits of a stainless-steel single bowl sink (Figure 9-1) with a built-in sprayer go beyond aesthetics, transforming your space into a fortress of style and utility.

Stainless steel is known for its durability, resistance to rust, and ease of cleaning, making it a reliable choice for busy kitchens. The single bowl design offers plenty of space for washing large pots, pans, and baking trays, which can be challenging in other sinks. The built-in sprayer adds extra convenience, allowing you to rinse dishes effortlessly and clean hard-to-reach areas. With its sleek design and functional features, this type of sink enhances both the practicality and style of your kitchen setup, making everyday tasks more efficient and enjoyable.

Figure 9-1: Stainless-Steel Sink

Keeping the single-bowl sink and built-in sprayer faucet clean is simple, requiring only regular maintenance and gentle cleaning to preserve its functionality and appearance. Begin by rinsing the sink and faucet with warm water to remove debris. Use a mild dish soap and a soft sponge or cloth to gently scrub the surfaces, steering clear of abrasive materials that could scratch the stainless steel. For stubborn stains or mineral buildup, applying a vinegar-water solution can be highly effective. Allow it to sit for a few minutes before wiping clean. Dry the sink and faucet with a soft towel to prevent water spots and finish with a stainless-steel cleaner for a polished look. Regular maintenance like this keeps the sink and faucet in excellent condition.

Your unit is equipped with a galley macerator pump, designed to efficiently manage waste disposal. To activate the pump, locate the switch on the galley base cabinet (Figure 9-2). Simply push and hold the switch to run the pump, allowing for smooth operation. When you're ready to stop the pump, release the switch, and the system will immediately halt its function. This straightforward mechanism ensures seamless usability, making waste management in the galley both convenient and efficient.

Figure 9-2: Macerator Switch

Shower:

The TIFFIN GH Series is equipped with a well-designed wet bath that maximizes space and functionality. It features a shower that also accommodates the toilet, complemented by a removable, magnetic shower curtain and a detachable shelf for added convenience. Additionally, a built-in storage compartment provides designated space for soap, shampoo, and other toiletries, ensuring everything stays organized and easily accessible. A built-in toilet paper holder further enhances convenience by keeping necessities within reach (Figure 9-3).

Figure 9-3: Wet Bath

To open the shower doors, rotate the latches (Figure 9 -4) located at the top to disengage the locking mechanism (Figure 9 – 5). This design ensures secure closure while providing effortless access when needed. For safety and stability, always verify that the shower doors are securely closed before the van is in transit. Properly securing the doors prevents unnecessary movement and potential damage, ensuring a reliable and well-maintained interior during travel.

Figure 9-4: Shower Door Latches

Figure 9-5: Locking Mechanism

Shower Operation:

Tiffin GH Series features a ShowerMiser (Figure 9-6), an innovative and highly efficient system engineered to enhance water conservation. Its main purpose is to conserve water by redirecting cold water that would typically go down the drain while you're waiting for the hot water to arrive. Here's how it works:

Recirculating Cold Water: When you turn on the shower, the cold water is rerouted back into the freshwater tank instead of being wasted in the gray water tank.

1. **Indicator System**: The ShowerMiser has a color-changing indicator (Figure 9-7) that lets you know when the water is hot and ready for use.
2. **Simple Operation**: To operate the system, simply adjust the lever (Figure 9-8) ensuring a seamless and user-friendly experience.

This system is especially useful for dry camping, as it helps extend the capacity of both your fresh and gray water tanks.

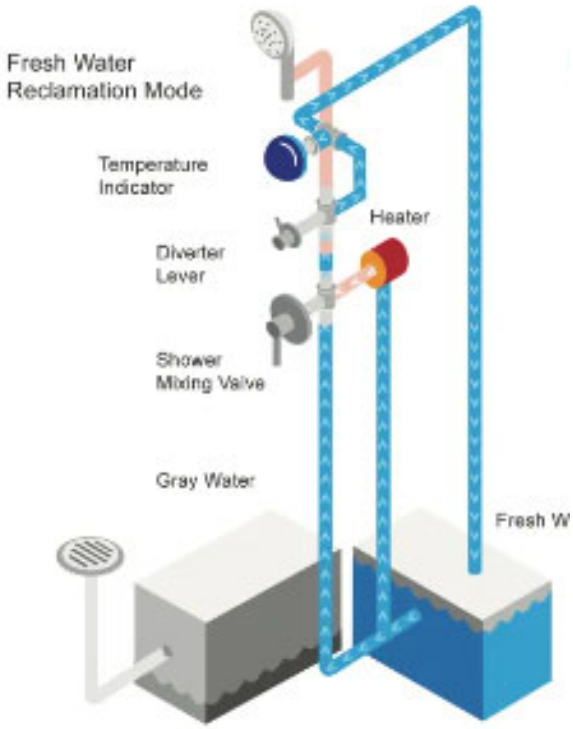


Figure 9-6: ShowerMiser

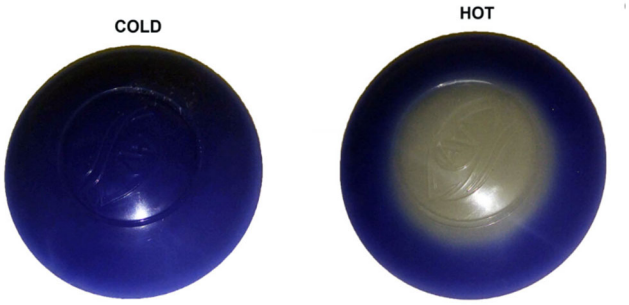


Figure 9-7: ShowerMiser Indicator

Figure 9-8: ShowerMiser Lever

Water Pump:

The water pump is used to pressurize the freshwater system when the unit is not connected to city water.

How to Start the Water Pump

1. Fill the Freshwater Tank
    - Completely or partially fill the freshwater tank to ensure an adequate supply.
2. Open Faucets
    - Turn on both the kitchen and bathroom faucets to allow air to escape from the system.
3. Power On the Water Pump
    - Switch the water pump to the “ON” position and let it run until the water fills the lines.
4. Close Faucets Gradually
    - Once a steady stream of water flows, close each faucet, starting with the cold-water faucet first.
    - Leave the hot water faucets open until they also deliver a steady stream, then close them.
5. Pump Operation Check
    - The pump should automatically shut off when all faucets are closed.
    - It will run when a faucet is opened and stop when the faucet is closed.

Important Maintenance Notes

- Avoid Dry Running: Never let the pump operate for extended periods without water in the supply tank, as this can cause damage to components or blown fuses.
- Drain System When Not in Use: If the van will be unused for an extended time, drain the entire freshwater system to prevent buildup or damage.

Here are some troubleshooting tips for water pump on the Tiffin GH1 van:

Common Issues & Fixes

1. Pump Won’t Start
    - Check if the pump is receiving 12V power.
    - Inspect loose wires or a blown fuse.
    - Ensure the switch is turned on.
2. Pump Runs But No Water Flow
    - Verify that the freshwater tank is full.
    - Check for clogged filters or blocked hoses.
    - Inspect for air leaks in the system.

3. Pump Won't Shut Off
    - Look for leaks in the plumbing system.
    - Ensure the pressure switch is functioning properly.
    - Check for air trapped in the lines.
4. Low Water Pressure
    - Clean or replace clogged faucet aerators.
    - Inspect for kinked hoses or blockages.
    - Check if the pump diaphragm is worn out.
5. Pump Cycles On & Off Frequently
    - Look for small leaks in the system.
    - Ensure the pressure tank is working correctly.
    - Check for faulty check valves.

Sewer Bay:

The Tiffin GH Series is equipped with the state-of-the-art Nautilus P3 Sewer Board (Figure 9-9); designed to simplify water management with efficiency and reliability. This innovative system allows seamless control over freshwater tank filling, city water connection, sanitation, and winterization, ensuring a hassle-free experience for RV owners. Its intuitive interface clearly marked handles, and user-friendly operation make adjusting water flow effortless. Additionally, the Nautilus P3 is engineered for easy maintenance, featuring smooth surfaces and accessible components that facilitate quick cleaning. Whether preparing for travel or winterizing the system, the Tiffin GH Series integration of the Nautilus P3 Sewer Board enhances convenience and reliability on the road.

Figure 9-9: Nautilus Sewer Board

Sewer Bay System Overview:

The operational guidelines for the Nautilus P3 valve system are as follows:

1. White Handle:
    - Function: Receives water from the inlet located on the front panel.
    - Sideways Position: Directs water to the pump inlet.
    - Downward Position: Channels water into the blue-handled diverter.
2. Blue Handle:
    - Function: Receives water from the white-handled valve, connected to the inlet on the front panel.
    - Sideways Position: Facilitates water flow to the cold-water fixtures.
    - Downward Position: Allows water to flow to or from the freshwater tank.

3. Green Handle:
    - Function: Serves as an on/off valve controlling water flow from the freshwater tank to the pump.
    - Sideways Position: Water will not flow through the valve.
    - Up Position: Water will go to or come from freshwater tank.
4. Red Handle:
    - Function: Receives water from the cold-water supply line.
    - Sideways Position: Routes water directly to the hot-water fixtures, bypassing the hot water heater.
5. Red Handle:
    - Function: Receives water from the cold-water supply line.
    - Sideways Position: Routes water directly to the hot-water fixtures, bypassing the hot water heater.

City Water Connections:

To establish a reliable connection to the city water supply, begin by attaching one end of the hose to the designated city water inlet (Figure 9-10), located on the sewer board. This standard connection ensures a direct and consistent supply of water to your unit. Alternatively, for enhanced security and convenience, you may opt to connect the city water hose to the auxiliary port positioned on the passenger side of the unit, located behind the rear tire (Figure 9-11). This secondary connection option allows you to shut and lock the rear doors of the van while maintaining a full-time link to the city water supply. Using this setup provides added protection against potential external interference while preserving accessibility to running water. Regardless of which method you choose, always ensure that the hose used is specifically manufactured and labeled for potable water service to maintain optimal water quality and prevent any alteration to the taste of the water. Proper connection and routine inspection of the fittings and hoses will help sustain an uninterrupted and dependable flow of water for extended use.

Figure 9-10: Nautilus City Water Inlet

Figure 9-11: Outside City Water Inlet

Turn the city water supply “on” for a few seconds to clear the line. Once the hose has been flushed, turn the supply “off.” Connect the other end of the hose to the inlet valve on the sewer board or outside inlet; turn the blue handle valve on the sewer board to the city water fixtures turn the red handle valve on the sewer board to normal. (Note: As the water goes through the inlet and then passes through the filter ensuring that all water exiting the faucets and showers have been filtered). Once the city water fill valve is opened, water is supplied to the freshwater system including the water heater, faucets, and toilet. Turn “on” the water supply and open all the faucets to clear any trapped air within the plumbing lines within the motor home.

Once any air pockets have purged from the water lines and water flows freely, close all the faucets. The city water supply is pressurized; therefore, the water pump is not needed when the water system of the vehicle is connected to the city water system.

The valves should never be turned while there is pressure on the lines.

The freshwater tank is normally filled from the city water inlet on the sewer board. The red and blue handle valves located on the sewer board determine whether the city water is going through the water system or into the freshwater tank. To fill the freshwater tank, turn the blue handle valve to city fill tank, turn the red handle valve to normal. Since there is no automatic shut-off when filling the freshwater tank, check the level from the monitor panel while filling the freshwater tank on the motorhome. (NOTE: As your freshwater tank fills the water passes through the filter ensuring that the water in the freshwater tank has been filtered before use).

To ensure proper maintenance of your Tiffin Van freshwater system, begin by turning the chrome valve to the vertical position, allowing water to drain from the lines and tank. Once the drainage process is complete, return the valves to the horizontal position to securely close them. When filling the freshwater tank or utilizing city water, always verify that the valves remain in the closed position to prevent unintended water loss. Additionally, if the Tiffin Van will be unused for an extended period, it is essential to drain all water from the freshwater system to prevent damage and maintain optimal sanitation.

Figure 9-12: Freshwater Drain Board

The freshwater drain board is positioned on the passenger side beneath the galley base. To access the valves, open the sliding passenger door. Adhering to proper valve management and drainage procedures will ensure the efficiency and longevity of your Tiffin Van water system, promoting reliable operation throughout your travels.

Run Hot and Cold Fixtures from Fresh Water Tank:

After filling the freshwater, you are ready to run the water system from the freshwater tank supply.

1. Turn “on” water pump.
2. On the sewer board turn the blue handle valve to the normal position and turn the red handle valve to the normal position.

Sanitizing Hot and Cold Fixtures and Freshwater Tank:

To assure complete disinfecting of the freshwater system, it is recommended that the following procedures be performed on a new system, on one that has not been used for a length of time, or one that may have become contaminated. This procedure is also recommended before long periods of storage, such as during the winter months:

1. Drain the freshwater tank by opening the drain valve. All the faucets should be in the closed or “off” position.
2. Prepare a chlorine solution using one gallon of water and one-half cup of chlorine bleach (5% sodium-hypochlorite solution). Prepare enough of the chlorine solution to administer one gallon of solution for every 15 gallons of tank capacity. Concentrations greater than 50 ppm may damage the water lines and/or the tank.
3. Once the freshwater tank is empty, close the drain valves in the water tank.
4. Pour the solution into the gravity fill which is located on the rear of this coach.

5. Turn “on” the water pump. On the sewer board turn the blue handle valve to “normal” position and turn the red handle valve to “normal” position.
6. Open each faucet, in turning “on” both the hot and cold faucets and flushing the toilet until all the air has been purged from the pipes and the water runs freely. The entire system will then be filled with the sanitizing solution.
7. Allow the 50-ppm disinfecting solution to stand in the system at least four hours.
8. Drain the system and flush it with freshwater. The water system needs to be flushed with water repeatedly, if necessary, until there is no chlorine taste or smell left in the system. To remove any excessive chlorine taste or odor that might remain, prepare a solution of one quart of vinegar to five gallons of water. “Rock” the tank containing the solution; by moving the vehicle forward and backward several times to clean the tank; then drain that tank and refill with clean water.

Sanitizing Hot and Cold Fixtures Only (Not Freshwater Tank):

1. All faucets should be in the closed or “off” position.
2. Prepare a chlorine solution using one gallon of water and one-half cup of chlorine bleach (5% sodium-hypochlorite solution). Concentrations greater than 50 ppm may damage the water lines.
3. Connect one end of the vinyl hose to the inlet valve on the sewer board; place the other end of the hose into the solution that has been prepared.
4. Turn “on” the water pump. On the sewer board turn the blue handle valve sanitize/winterize and turn the red handle valve to bypass.
5. Open each faucet, in turning “on” both the hot and cold faucets and flushing the toilet until all the air has been purged from the pipes and the water runs freely. The entire water lines will then be filled with the sanitizing solution.
6. When the sanitizing process is completed, turn the water pump “off”.
7. Allow the 50-ppm disinfecting solution to stand in the system at least four hours.
8. Drain the system and flush it with freshwater. The water lines will need to be flushed with water repeatedly, if necessary, until there is no chlorine taste or smell left in the system. To remove any excessive chlorine taste or odor that might remain, prepare a solution of one quart of vinegar to five gallons of water. Repeat steps four, five and six to run the solution through the water lines. Drain the system and flush with freshwater.

Toilet:

The toilet in your Tiffin GH Series is designed for ease of use, efficient waste management, and long-term reliability. Proper operation and regular maintenance ensure maximum sanitation, functionality, and longevity.

To adjust the orientation of the toilet bowl, begin by closing the cover to prevent accidental movement of internal components. Using both hands, firmly grip the toilet bowl and rotate it to the

desired position, keeping in mind that it has a maximum rotation of 90 degrees clockwise (Figure 9-13). This adjustability allows users to optimize the positioning of the toilet within the available space for enhanced comfort and convenience.

Figure 9-13: Toilet Bowl Rotation

To ensure an efficient flush, always verify that the blade (Figure 9-14) is fully open before proceeding. Press and hold the flush button (Figure 9-15) for several seconds to initiate the flushing process. If needed, pulsating the flush by pressing the button multiple times in quick succession can enhance the effectiveness of the flush and promote thorough waste removal.

Your toilet is equipped with a level indication system for the waste-holding tank. When the slide transitions from green to red, it signals that the waste-holding tank is full and requires emptying to maintain optimal performance and hygiene. Regularly monitoring this indicator will help prevent overfilling and ensure smooth operation.

This toilet system is highly versatile, operating effectively with water from either the freshwater tank (with the water pump turned "on") or directly from the city water supply when connected. This dual-source functionality ensures continuous availability of flushing water in different scenarios, providing flexibility for various conditions and user preferences.

Figure 9-14: Blade Lever

Figure 9-15: Toilet Button

Before each use, it is essential to add water to the bottom of the toilet bowl to ensure efficient waste movement and flushing. Proper pre-use preparation prevents waste from sticking to the bowl surface and improves overall sanitation.

The toilet flushes waste directly into the black water holding tank, which serves as a containment system for wastewater until it is properly emptied at an appropriate disposal station. Regular monitoring of the black-water tank levels is advised to prevent overfilling, which may lead to system inefficiencies or unpleasant odors.

To maintain the highest standards of hygiene and operational efficiency, the toilet should be cleaned regularly. Routine cleaning helps prevent buildup of waste residue, bacteria, and odors, ensuring a fresh and sanitary environment. It is recommended to use a mild bathroom cleaner specifically formulated for toilet surfaces to avoid damage to the materials. Avoid harsh chemicals or abrasive scrubbing tools, as they may degrade the finish or weaken components over time.

By following these operational and maintenance guidelines, users can maximize the performance, hygiene, and lifespan of the toilet system, ensuring a comfortable and sanitary experience. Regular inspections and proper use will contribute to long-term reliability and convenience.

Never add toilet additives directly via the valve blade or via the toilet bowl as this could damage the lip seal of the waste-holding tank. Only fill the waste-holding tank via the pour out spout.

Never use force if you cannot get the waste-holding tank back into place easily. If blockage occurs, always check if the blade handle is in the closed position.

Waste Water Disposal:

Your toilet is equipped with a streamlined waste-holding tank level indicator (Figure 9-16), designed for efficient monitoring—when the slide transitions from green to red, it signals that the tank is full and requires emptying. To ensure proper maintenance, begin by removing the waste-holding tank from the outside toilet tank door (Figure 9-17) and fully extend the pull handle before transporting it to an authorized waste disposal facility. Once positioned, place the tank upright, rotate the pour-out spout upward, and remove the cap. While keeping the pour-out spout angled downward, press and hold the vent button to facilitate a controlled and thorough emptying process. After disposal, introduce approximately five liters of water into the tank, securely replace the cap, and gently shake the unit to ensure internal cleanliness before emptying it again. Additionally, detach the float by rotating it clockwise and rinse it thoroughly with tap water to maintain optimal function. Conclude the process by retracting the pull handle until it locks securely, reinserting the waste-holding tank into the toilet, and closing the service door. If further use of the toilet is required, properly prepare the waste-holding tank for continued operation.

Figure 9-16: Level Indicator

Figure 9-17: Waste-Holding Tank

Sewer Connection and Camping:

The Tiffin GH Series is designed with convenience and sanitation in mind. The gate valve and grey water dump connection (Figure 9-18) are strategically placed on the driver's side, just in front of the rear tire, making it easy to access and manage waste disposal. Additionally, Tiffin provides a dedicated holding compartment for the sewer hose (Figure 9-19) at the rear of the van, ensuring a clean and organized storage solution. This feature helps maintain hygiene by keeping the sewer hose separate from other equipment, preventing contamination and making waste disposal more efficient.

Figure 9-18: Gate Valve and Grey Water Dump Connection

While using the van, it is crucial to always maintain the greywater holding-tank gate valve is in the closed position, except when actively dumping the contents. This practice helps ensure that enough liquid remains inside the tank, which plays a vital role in facilitating an effective and efficient draining process. Keeping the valve closed allows waste liquids to accumulate, preventing premature leakage and ensuring that the waste materials have ample fluid to mix with.

When the time comes to empty the holding tank, having a generous amount of liquid within it promotes a smoother outflow through both the gate and drain valves. The presence of an adequate liquid volume encourages a swirling motion inside the tank, which is beneficial for loosening and carrying away accumulated solid waste. This swirling action helps break down waste deposits that might otherwise stick to the interior surfaces of the tank, minimizing the chances of blockages and making the overall dumping process more thorough and effective.

Figure 9-19: Sewer Hose Storage Compartment

Additionally, maintaining a closed valve when not dumping reduces the risk of unwanted odors escaping from the tank and helps prevent clogs by allowing solid waste to mix with the liquid over time. It also extends the longevity of the system by ensuring proper waste disposal and minimizing residue buildup inside the tank. By following this method consistently, van users can maintain a more sanitary and hassle-free waste management system, avoiding common issues associated with improper dumping practices.

Using the gate valve and grey water dump on the Tiffin GH Series is a straightforward process, but it's important to follow the correct steps to maintain sanitation and efficiency. Here's how to do it:

1. **Prepare the Dumping Area** – Park your van at an approved dump station or designated wastewater disposal area. Make sure you have proper drainage access.
2. **Retrieve the Sewer Hose** – Open the holding compartment for the sewer hose located at the rear of the van and connect the hose to the dump station.
3. **Attach the Hose to the Dump Connection** – Securely connect the other end of the sewer hose to the grey water dump connection on the driver's side, in front of the rear tire.
4. **Open the Gate Valve** – Pull the gate valve handle to release the grey water waste into the sewer hose. Always ensure the valve is fully opened to allow complete drainage.
5. **Monitor the Flow** – Keep an eye on the draining process to make sure all waste is emptied efficiently.
6. **Close the Valve** – Once the tank is empty, close the gate valve completely to prevent any residual leakage and allow liquid to accumulate for the next use.
7. **Flush & Clean** – If possible, flush the tank with clean water to remove remaining residue, then detach the sewer hose.
8. **Store the Hose Safely** – Disconnect the hose, rinse it, and return it to the holding compartment at the rear of the van.

Following these steps ensures a smooth and hygienic dumping process while maintaining the longevity of your system.

TIFFIN

GH SERIES

AWNINGS, VENTS, AND DOORS

Chapter

10

Windows:

The TIFFIN GH Series is equipped with a total of seven windows, strategically placed to enhance natural light and ventilation throughout the vehicle. These include one window in each cab door, providing visibility and airflow for the driver and passenger; one window on each side of the bedroom area, designed to maximize daylight and create a more open, inviting space; and one window in each rear door, allowing additional light entry while offering visibility to the outside environment.

Figure 10-1: Window

In the bedroom area, the two larger windows contain smaller opening windows within them, which provide adjustable ventilation options. This feature allows occupants to enjoy fresh air without fully opening the entire window, improving airflow while maintaining privacy and comfort.

To enhance interior temperature control and protect furnishings, the windows may be equipped with a reflective coating designed to deflect a portion of sunlight. This reduces heat buildup inside the van, contributing to a more comfortable environment, especially during warm weather. Additionally, the reflective coating helps minimize sun-induced fading or "bleaching" of interior fabrics such as curtains and upholstery, preserving their appearance and longevity over time.

Awning:

The Girard Systems power awning (Figure 10-2) comes standard on the TIFFIN GH Series, providing users with a reliable and convenient outdoor shade solution. Engineered for durability and ease of use, this awning enhances outdoor comfort by offering protection from the sun and light weather conditions.

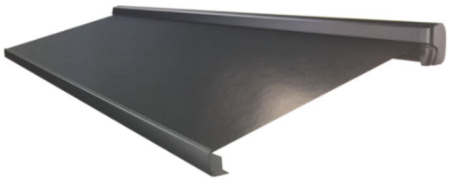


Figure 10-2: Girard Awning

Designed to withstand light rain and mild wind, the awning can be safely deployed under these conditions to enhance usability and enjoyment. However, if strong winds or heavy rain are expected, or if the awning will be left unattended for an extended period, it is highly recommended to retract it to prevent potential damage. Inclement weather can place excessive stress on the awning's structure, leading to unnecessary wear or failure.

To ensure longevity and maintain optimal performance, users should follow proper operation guidelines and regularly inspect the awning for signs of wear and tear. Please note: any damage resulting from wind or rain is not covered under warranty, so taking precautionary measures to protect the awning is essential for maintaining its condition over time.

To operate the awning:

- To OPEN the awning:
- Press and release the "OUT" switch to fully open the awning.
- To pause while it's moving, press and release the "STOP" switch.
- To CLOSE the awning:

- Press and release the “IN” switch to fully retract the awning.
- To pause while retracting, press and release the “STOP” switch.
- To control the LED light:
- Press the “ON” switch to turn the light on.
- Press the “OFF” switch to turn the light off.
- For further details, refer to the owner’s awning manual.

Retracting the awning in the instance of power failure (Figure 10-3):

- The Girard awning has a manual override to close the awning in case of power failures.
- To use the manual override:
    1. Remove the endcap opposite the motor by unscrewing the 3 Philips head screws.
    2. Use a 13mm wrench to turn the square manual override shaft to close the awning.
       Note: The manual override is one-way and can only be used to close the awning.
    3. Replace the endcap using the 3 Philips head screws.
- The accompanying figure shows a right-hand motor version of the awning. For a left-hand motor version, the manual override will be on the opposite side.

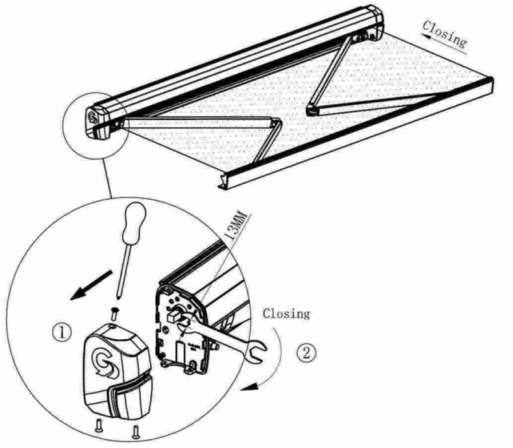


Figure 10-3: Manual Override

- Once power is restored, the awning will resume normal operation.

Vents:

The roof of the TIFFIN GH Series is equipped with two 12V DC exhaust vent fans, (Figure 10-4). These fans are controlled by a three-speed switch, allowing for adjustable airflow based on user preference and environmental conditions.

To ensure optimal operation and safety, the vent fans should only be activated when the van is stationary and actively in use. Additionally, the fans will not function unless the vent is fully open, preventing unintended operation when closed. Proper use of this ventilation system helps maintain air circulation and comfort within the vehicle.


Figure 10-4:

TIFFIN

GH SERIES

DRIVING YOUR VAN

Chapter

11

Driving Features:

1. **Active Distance Assist Distronic® (Adaptive Cruise Control)**
   This feature maintains a safe distance from the vehicle ahead by automatically adjusting the speed of the Tiffin Van. It ensures a smoother and safer driving experience, especially during long journeys or in heavy traffic.
2. **Hill Start Assist**
   Prevents the vehicle from rolling backward when starting on an incline. It holds the brakes momentarily as you transition from the brake pedal to the accelerator, making uphill starts effortless.
3. **Attention Assist**
   Monitors driver behavior and provides alerts if signs of drowsiness or inattention are detected. This system enhances safety by encouraging breaks when needed.
4. **Traffic Sign Assist**
   Uses cameras to detect and display traffic signs, such as speed limits or no-entry signs, on the dashboard. This helps drivers stay informed and compliant with road regulations.
5. **Load Adaptive Electronic Stability Program (ESP)**
   Adjusts the vehicle's stability control system based on the load being carried. This ensures optimal handling and safety, regardless of the weight or distribution of cargo.
6. **High Beam Assist**
   Automatically switches between high and low beams depending on the presence of oncoming traffic or vehicles ahead. This improves visibility without causing glare for other drivers.
7. **Active Lane Keeping Assist**
   Helps the driver stay within their lane by providing gentle steering corrections if unintentional lane departure is detected. This feature is particularly useful on highways and long-distance drives.
8. **Heated Leather Seats with Electronic Controls** – Adjust the seat position and temperature using electronic buttons on the side of the seat to find your ideal comfort level.
9. **Swivel Bases for Driver and Passenger Seats** – Unlock the swivel mechanism (usually a lever near the base) and rotate the seat as needed for easier access or workspace flexibility.
10. **Leather-Wrapped Steering Wheel with Integrated Controls** – Use the buttons on the steering wheel to control functions such as audio, cruise control, and hands-free phone operation without taking your hands off the wheel.
11. **Keyless Start** – With the key fob inside the vehicle, press the start button to turn the engine on or off without inserting a key.
12. **Rain Sensor for Windshield Wipers** – Activate the automatic wiper setting, and the system will detect moisture on the windshield, engaging the wipers at an appropriate speed.

13. **Automatic LED Headlights** – Keep headlights set to the "Auto" mode, and they will turn on and adjust brightness based on ambient lighting conditions.
14. **Instrument Cluster with Color Display** – View vehicle diagnostics, speed, fuel levels, and navigation guidance on the digital screen located behind the steering wheel.
15. **Parking Package with 360° View Camera** – When parking, use the 360-degree camera view displayed on the infotainment screen to see all angles around the van for safer maneuvering.
16. **Interior Rear-view Mirror** – Adjust the mirror manually for better visibility inside the cabin and rear area.
17. **Crosswind Assist** – The system automatically engages at higher speeds to stabilize the van during strong crosswinds; no manual activation is required.
18. **Driver and Passenger Airbags** – These deploy automatically in the event of a collision, providing impact protection.
19. **Blind Spot Monitoring System** – If a vehicle is in your blind spot, the system alerts you with a light on the side mirrors, helping you make safer lane changes.
20. **Emergency Call System** – In the event of a serious accident, the van automatically contacts emergency services through its built-in communication system.
21. **Smartphone Integration for Apple CarPlay® and Android™ Auto** – Connect your smartphone via USB or Bluetooth to access apps, navigation, and media directly on the infotainment screen.
22. **Mercedes-Benz MBUX Multimedia System with 10.25" Touchscreen** – Use the touchscreen to access navigation, entertainment, and vehicle settings, or use voice commands for hands-free operation.
23. **Smartphone Tray with Charging Ports** – Place your phone in the designated tray and connect it to a USB or wireless charger to keep it powered.
24. **Intelligent Navigation** – Enter your destination via the touchscreen or voice commands, and the system will provide real-time traffic updates and the best route suggestions.
25. **Powered Windows** – Use the window control buttons on the door panel to raise or lower the windows with ease.
26. **Door-mounted Driver and Passenger Assist Handles** – Grip these handles to make entry and exit easier, especially in high-ground-clearance situations.
27. **Powered Door Locks** – Lock or unlock all doors using the button on the dashboard or the key fob for convenience and security.

These advanced features collectively enhance the safety, comfort, and convenience of the Tiffin GH Series, making it a reliable choice for both everyday use and adventurous journeys.

Audio System:

Figure 11-1: Audio System

The Tiffin GH Series Upgraded Audio System (Figure 11-1) enhances the acoustic experience, delivering premium sound quality through carefully engineered components. This system features two 5¼-inch JBL speakers, a subwoofer, and an amplifier, all designed to provide a balanced and immersive audio environment. The JBL speakers produce crisp, detailed highs and well-defined midrange frequencies, ensuring clarity in both music and spoken content. The subwoofer is strategically tuned to enhance bass response, adding depth and richness to the overall sound profile. Meanwhile, the amplifier optimizes power distribution across the system, ensuring consistent volume levels and minimizing distortion even at higher outputs. Whether used for entertainment, communication, or navigation assistance, this advanced audio system offers superior performance, making every drive more engaging and enjoyable.

The entire audio system is seamlessly integrated into the Tiffin Van's 12-volt DC power system, ensuring stable and reliable operation without additional power sources. All controls are intuitive and accessible, designed for effortless operation while driving or at rest.

The audio system in the Tiffin Van has been thoughtfully designed to provide a balance of classic and modern entertainment options. Whether tuning into local stations, playing cherished CDs, or exploring the vast world of satellite radio, this system enhances every journey by offering personalized, high-quality audio experiences. For additional setup and operational guidance, please refer to the Owner's Information Package.

Dashboard Climate Control:

Figure 11-2: Dashboard Climate Control Panel

1. Adjusting Temperature – Locate the climate control panel (Figure 11-2), positioned on the dashboard. Use the temperature dial controls to set the desired cabin temperature. If equipped with dual-zone climate control, you can independently adjust settings for the driver and passenger sides.
2. Selecting Airflow Mode – Choose where you want the air to be directed by using the airflow settings. Options include front-facing vents, foot-level vents, defrost for the windshield, or a combination of these.
3. Controlling Fan Speed – Adjust the blower speed using the fan control buttons. Increasing the fan speed will circulate air more rapidly, while lower settings provide a gentle airflow.
4. Activating Air Conditioning (A/C) – Press the A/C button to engage the air conditioning system, which cools the cabin by removing humidity and lowering the temperature. This function works best with windows closed to maintain efficiency.
5. Using the Heating System – For cold weather, adjust the temperature dial towards the hot setting. This will activate the van's heating system, warming the interior using engine-generated heat.

6. Defrosting Windows – If windows fog up, press the defrost button to direct warm air toward the windshield and side windows, clearing condensation for better visibility.
7. Recirculating Air – To keep cabin air circulating without bringing in outside air, press the recirculation button. This is useful for maintaining interior temperatures and reducing external pollutants from entering.

By using these controls effectively, you can maintain a comfortable cabin environment, whether driving in extreme heat or freezing temperatures.

The dash air conditioner and heater in the Tiffin Van are designed to regulate the climate within the cab area, rather than the entire interior. While they efficiently provide cooling and heating for the front occupants, they are not intended to control the temperature in the full cargo space or passenger area. Additionally, regardless of the selected mode settings, a small amount of airflow will continue to be emitted from the defrost and dash vents, ensuring a continuous circulation of air.

Owl-Ready – Pre-Wired for Always-On Wolfbox Rearview Camera:

The Tiffin GH Series comes prewired for the Owl Always-On Wolfbox Rearview Camera, ensuring seamless integration and effortless installation. This prewired setup eliminates the need for complex modifications, allowing users to connect the system directly to the vehicle's existing wiring. By leveraging the factory-installed connections, the Owl Always-On Wolfbox Rearview Camera provides a consistently powered display, enhancing rear visibility in all driving conditions. This feature ensures an optimized and reliable rearview experience, improving safety and convenience for drivers without requiring extensive aftermarket adjustments.

1. Pre-Installation Preparation

Before beginning the installation process, ensure that you have the following:

- Wolfbox Rearview Camera
- Essential tools, including a screwdriver and panel removal tool
- A well-lit and clean workspace to facilitate the installation

Figure 11-3: Rearview Mirror Housing Cover

2. Accessing the Rearview Mirror Wiring
   - Carefully detach the rearview mirror housing cover (Figure 11-3) to expose the underlying wiring.
   - Within the housing, you will find two primary cables (Figure 11-4):
     - Power cable – Provides electrical supply to the rearview mirror display.
     - Communication cable – Establishes a connection between the mirror and the system for video signal transmission.

3. Removing the Third Brake Light Cover
    - Locate the third brake light (Figure 11-5) on the vehicle.
    - Utilize a panel removal tool, if necessary, to gently detach the brake light cover.
    - Upon removal, you will gain access to the pre-wired cables required for proper installation.
4. Installing the Wolfbox Rearview Camera
    - Connect the camera cables to their respective pre-wired connections.
    - Ensure secure attachment to maintain a stable and uninterrupted power and communication link.
    - Reinstall the third brake light cover and the rearview mirror housing, verifying proper alignment and fit.
    - Conduct a visual inspection to confirm all components are securely in place.

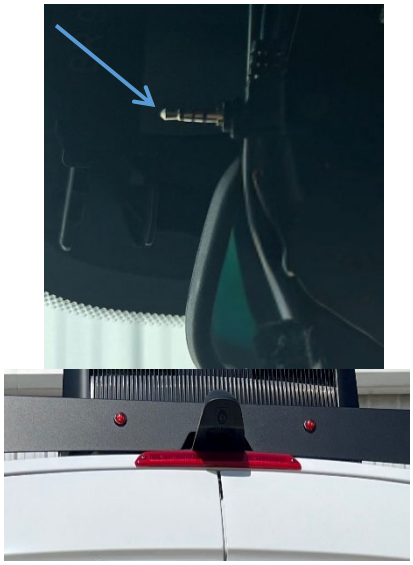


Figure 11-5: Third Brake Light

5. System Testing and Adjustment
    - Turn on the vehicle to activate the rearview camera display.
    - Check the functionality of the camera to ensure optimal visibility.
    - Adjust the mirror's positioning as needed to achieve the best viewing angle.
6. Finalization and Quality Assurance
    - Secure all covers and housings to ensure a firm and stable installation.
    - Confirm that the camera remains securely in place under driving conditions.
    - Perform a comprehensive system test to verify optimal performance.

TIFFIN

GH SERIES

MAINTENANCE WASHING AND DRYING

Chapter

12

Washing:

To hand-wash your TIFFIN Van, follow these guidelines:

1. Use a mild cleaning agent, such as car shampoo, along with lukewarm water and a soft car sponge. Avoid exposing the vehicle to direct sunlight during cleaning.
2. Rinse the vehicle thoroughly with water, taking care not to aim the water jet directly at the air inlet grilles. Ensure the blower is switched off during this process.
3. Dry the vehicle using a leather cloth to prevent water spots. Do not allow the cleaning agent to dry on the paintwork.
4. At the start of winter, promptly and thoroughly remove all road salt deposits to protect the vehicle's surface.

For more detailed instructions on washing your TIFFIN Van, consult the Mercedes-Benz Sprinter manual.

Seals:

The seals around the doors, windows, vents, and external seams should be checked at least semi-annually.

If deterioration is noted during a routine maintenance inspection, reseal the seams or seals with an approved sealant to prevent leaks.

Your TIFFIN GH Series dealer can perform resealing inspections and subsequent work for you. It is recommended that a TIFFIN GH Series authorized service center perform these inspections periodically and perform the necessary resealing as required.

Proper Sealants For Application:

The following sealants are recommended for specific applications, as noted in the table. These can be purchased through TIFFIN Motorhomes parts and service department by calling 205-487-4710.

Recommended Sealants For Specific Sealing Applications	
SEALANT	APPLICATION
Plas-T-Code	Metal or Fiberglass Roof
Surebond #SB-140	Rubber Laminated to Metal Roof and All Skylights
Carlisle #502 LSW Self Leveling Sealant	Rubber Roof Over Wood Base
Silicone Sealant	Cover Butyl and Other Sealants
Parbond	Seal Across Tops Of Windows on Exterior Surfaces Where Silicone Is Not Used

Roof Care & Maintenance:

Proper care and maintenance of your Van including your roof is important for sustained trouble-free performance. Normal maintenance is simple and easy and does not require special materials.

The roof of the Van is metal and can be cared for in the conventional manner. Clean the roof at least every three months. The roof should be professionally inspected by a dealer annually.

Moisture Maintenance:

This section outlines important recommendations to manage moisture in your Van to avoid moisture related damage such as mold. The materials and methods used to construct your Van were selected in part to minimize air leakage and to create a weather tight exterior shell.

However, in order to protect your investment and reduce the risk of moisture related damage and costly repairs, attention and care has to be taken to manage moisture inside of your Van.

NOTE: These are only suggestions intended to minimize moisture related issues with your Van. If any concerns arise, contact Tiffin Motorhomes' Service Department

Interior Care:

Signs of excessive moisture can be obvious, such as water droplets forming on surfaces or wet carpet. Conversely, signs of excess moisture can be subtle, such as condensation forming on metal surfaces.

When symptoms appear, it is important to immediately determine the cause of the excess moisture and take appropriate corrective action to prevent moisture related damage.

Condensation:

NOTICE

Use only RV odor-controlling chemicals in the holding tanks. Products containing ammonia and petroleum will damage the ABS plastic holding tanks and seals.

Damage may occur to your vehicle if excessive condensation exists. Accumulation of condensation on surfaces within your Van occurs when warm, moist air contacts a cool surface. It is most evident on the inside of windows, but this problem can be controlled by:

Slightly opening a window or roof vent to allow the moisture to escape from the motor home.

A small dehumidifier is also very effective in removing moisture from the air.

Fabrics:

The fabrics used in the Tiffin GH Series for the bedspread contain fire retardant additives that may be damaged by use of improper cleaning products. Cleaning instructions for these items are "DRY CLEAN ONLY".

Water based products are not recommended for cleaning the fabrics in your Van. Most water-based household cleaning products are not formulated for use on these fabrics and may cause excessive shrinkage or fading.

For best results, the fabrics in your Van should be cleaned by a professional carpet and upholstery cleaner.

Spills, spots or stains should be treated as soon as possible to avoid permanent damage to the fabrics. If a spill occurs, blot the fluid with a dry towel, do nut rub the spill as rubbing may cause the liquid to "set" in the fabric and cause a stain.

While attempting to clean a spot or stain, always start from the outside and work inward to avoid spreading the stain further. Some stains or soils are extremely difficult or impossible to totally remove. These stains should receive immediate professional attention.

Spills, spots, stains or soiled areas are the responsibility of the owner and are not covered by the TIFFIN GH Series Motorhomes Limited Warranty.

Walls & Ceiling:

The wall and ceiling coverings should be cleaned periodically to maintain a new appearance. Use a nonabrasive cleaner with a soft cloth on the walls. Do not use solvents of any kind, as those solvents may damage the surfaces being cleaned.

Dashboard:

To keep the Van dashboard in like-new condition, regularly follow these guidelines:

DO:

Dust and clean the dashboard with a soft, damp cloth or chamois, wiping the surface gently

Use a mild detergent and lukewarm water

After washing and rinsing the dashboard, dry it by blotting with a damp cloth or chamois

DO NOT:

Use harsh chemicals that may damage the dashboard

Use cloths containing grit or abrasive particles or kitchen scouring compounds to clean or dust the dashboard

Subject the dashboard to hard, direct blows

Use boiled water, strong solvents, or other such materials to clean the dashboard, as they will soften the plastic

Woodwork & Floors:

The wood cabinetry should be cared for with furniture polish to sustain the natural beauty and luster of the wood. This procedure will also keep the cabinetry looking new, prevent the wood from drying and reduce chances of accidental staining or aging.

Use area rugs and floor mats by the side entrance door to trap dirt.

Use soap and water to clean the flooring, begin by vacuuming the floor to remove loose dust and dirt. Then, damp mop the floor with a standard cleaning solution. The mop should be damp but not dripping.

Feel free to use soap-based cleaners, scouring powders, steel wool, abrasive cleaners, wax or polish on the ceramic floor as this floor is impervious to these cleaning agents.

To remove stubborn spots like shoe polish, oil, tar, markers, scuffs and the like; use a household solvent or nail polish remover on those spots then wipe those treated areas with a damp cloth.

To remove chocolate, grease, juice or wine, use warm water and any off the shelf abrasive cleaner. To remove candle wax or chewing gum, carefully scrape off when the material has hardened. For further tips, please see the manufacturer's information sheet in your TIFFIN GH Series Owner Information Package.

Countertops:

To care properly for the countertops in your Van, always use a heat pad or trivet to protect the surface from hot objects that may mar or damage the countertop surface. Hot pans and heat producing appliances (such as electric skillets), when set directly on top of the countertop, can possibly mar the beauty and finish of the product.

Additionally, since heat producing appliances can also damage the countertop seams, it is essential to check with TIFFIN GH Series Motorhomes to identify seam locations to avoid them during subsequent use of the Van.

Although solid surfacing is repaired easily, certain steps should be taken to protect it. Be sure to use a cutting board rather than cutting an item directly on the countertop surface. Although minor scratches and cuts can be repaired a little care will assure that the countertop surface will keep looking new for years.

Do not expose the surface to harsh chemicals such as paint remover, turpentine, nail polish remover or any stove and drain cleaners. If these chemicals should come into contact with the countertop surface, immediately wash off these chemicals, using appropriate safety to avoid injury.

Accessories:

The metallic light fixtures, bath accessories and faucets can be cleaned by wiping with a soft, damp cloth. Washing with warm water will remove dry water spots. Polishing those fixtures with a soft cloth will also enhance the appearance.

Do not use cleaners that contain harsh or abrasive chemicals. Alcohol or other similar solvents should never be used either.

Detectors:

The CO propane gas detectors are self-contained and DO NOT require any maintenance other than normal cleaning and periodic testing. The smoke detector installed in your Van is a nine-volt, battery operated detector.

The CO gas detector is wired directly to the house batteries. The batteries in the smoke detector need to be tested periodically and replaced when necessary. When cleaning the case use a damp cloth or paper towel.

DO NOT spray cleaners or wax directly into the detectors case as this action may cause false alarms or hinder the normal operation of the detectors.

An inexpensive battery detector tester would be a good investment to make. This tester would allow checking of the batteries in the various alarms, any flashlights used in the Van and batteries in other appliances which may be in the Van during travels.

Routine Maintenance Schedules:

NOTICE

Always follow the chassis maintenance guidelines found in the chassis manufacturer's manual.

All routine maintenance is the responsibility of the owner and is not covered by the TIFFIN GH Series Limited Warranty. Use the maintenance record found in Chapter 13 to record all performed maintenance as required.

Please note that any damage caused by improper or unperformed maintenance is not covered by the TIFFIN GH Series Motorhomes Limited Warranty. Items supplied by other manufacturers may require specific individual maintenance not listed herein. Please refer to the manufacturers' suggested maintenance guidelines in the Owners Information Package.

NOTICE

Cosmetic adjustments and alignments must be performed within the first three months from date of original purchase for warranty consideration. Thereafter, these items are considered routine maintenance.

MONTHLY:

- Check the water levels of the batteries

EVERY THREE MONTHS:

- Test smoke alarm and carbon monoxide/LP gas detector.
- Check operation of windows, latches, and hinges.
- Clean the roof ducted air conditioner filter or filters.
- Clean and inspect door and window seals; reseal where necessary.
- Inspect and reseal around the tub and shower area where necessary.
- Lubricate the exterior door hinges and latches with a graphite (silicone) lubricant.
- Check, clean, and tighten battery cables and inspect batteries for proper fluid levels.

EVERY SIX MONTHS:

- Change the battery in the smoke detector.
- Rotate tires as recommended by the tire manufacturer.
- Check all gas appliances for proper operation.
- Change the batteries in both the smoke detector

ANNUALLY:

- Inspection of roof seams and joints should be performed by an authorized Motorhomes
- Service Center. If resealing is necessary, it is the owner's responsibility and is not covered by the TIFFIN GH Series Limited warranty.
- Sanitize the freshwater system.

Winterizing:

To store your vehicle for the winter months, it is necessary to winterize the water system to help prevent freezing of this system. To do this, follow these instructions:

Drain all the water from the water system including the holding tank(s) and freshwater tank. Also, drain the water filter. For the holding tank(s), open the gate valve(s) to drain the tanks.

NOTE: This procedure is to be performed only at a wastewater pumping station to prevent dumping of contaminated water elsewhere. For the water tank, open the red-handled valve to drain the tank; then close the valve. Remove the filter cartridge from the water filter and store it in a clean environment. Empty any excess water from the filter housing and replace the housing.

At the sewer board turn the blue handle valve to the sanitize/winterize position turn the red handle valve to the bypass position.

Connect a vinyl hose to the inlet valve on the sewer board place the other end of the hose into a gallon of freshwater system antifreeze. NOTE: Do not use automotive antifreeze; use only antifreeze approved for RV applications. Otherwise, damage to the systems being protected may result.

Turn "on" the water pump to start the flow of antifreeze. Turn "on" each faucet, one at a time, including the kitchen faucet, bath faucet, inside and outside showers and allow pure antifreeze to run through that piping. Let about one cup drop into the drains to protect the traps.

When all the antifreeze is withdrawn from the bottle, disconnect the vinyl hose from the inlet valve on the sewer board. (This may require more than one gallon of antifreeze).

When the winterize process is completed, turn the water pump "off". Store the vinyl hose for future use.

De-Winterizing:

To de-winterize your vehicle, open both of the low point drains to allow the antifreeze solution to drain from the water system.

Next, close the low point drains and connect your vehicle to the city water system. Put water in the freshwater tank and pump at least one gallon through the water pump to remove the antifreeze from the water pump.

As in winterizing, open the kitchen faucet, bath faucet, inside and outside showers, turning "on" both the hot- and the cold-water valves and flushing the stool until the antifreeze solution is flushed out of the system and the water flow is clear.

Open the freshwater tank supply valve from the pump.

Be sure to close the freshwater tank drain valves to allow the tank to fill.

Tire & Safety Information:

This portion of the Owner's Manual contains tire safety information as required by 49 CFR 575.6. The National Traffic Safety Administration (NHTSA) can be contacted at 1-888-327-4236. Their web site is http://www.safecar.gov and their address is: NHTSA, 400 Seventh St, S.W., Washington, D.C. 20590.

CAUTION

Do not use harsh detergents, acids, abrasives which may scratch or dull the surfaces. The applicator cloth, sponge, or soft-bristled brush should be non-metallic and non-abrasive, Also, remember to check the tightness of the wheel lug nuts frequently.

The National Traffic Safety (NHTSA) has published a brochure (DOT HS 809 361) that discusses all aspects of Tire Safety, as required by CFR 575.6. This brochure is reproduced in part below. It can be obtained and downloaded from NHTSA, free of charge, from the following web site:

http://www.nhtsa.dot.gov/cars/rules/TireSafety/ridesonit/tires index.html

Studies of tire safety show that maintaining proper tire pressure, observing tire and vehicle load limits, avoiding road hazards, and inspecting tires for cuts, slashes, and other irregularities are the most important things you can do to avoid tire failure, such as tread separation or blowout and flat tires. These actions, along with other care and maintenance activities, can also:

- Improve vehicle handling
- Help protect you and others from avoidable breakdowns and accidents
- Improve fuel economy
- Increase the life of your tires

This section presents a comprehensive overview of tire safety, including information on the following topics:

- Basic tire maintenance
- Uniform Tire Quality Grading System
- Fundamental characteristics of tires
- Tire safety tips

Use this information to make tire safety a regular part of your vehicle maintenance routine. Recognize that the time you spend is minimal compared with the inconvenience and safety consequences of a flat tire or other tire failure.

Safety First Basic Tire Maintenance:

Properly maintained tires improve the steering, stopping, traction, and load carrying capability of your Van. Under-inflated tires and overloaded vehicles are a major cause of tire failure. Therefore, as mentioned above; to avoid flat tires and other types of tire failure, you should maintain proper tire pressure, observe tire and vehicle load limits, avoid road hazards and regularly inspect your tires.

Finding Your Van's Recommended Tire Pressure and Load Limits:

Tire information placards and vehicle certification labels contain information on tires and load limits. These labels indicate the vehicle manufacturer's information including:

- Recommended tire size
- Recommended tire inflation pressure
- Vehicle capacity weight (VCW – the maximum occupant and cargo weight a Van is designed to carry.)
- Front and rear gross axle weight ratings (GAWR – the maximum weight the axle systems are designed to carry).

Understanding Tire Pressure and Load Limits:

Tire inflation pressure is the level of air in the tire that provides it with load carrying capacity and affects the overall performance of the Van. The tire inflation pressure is a number that indicates the amount of air pressure - measured in pounds per square inch (PSI) - a tire requires to be properly inflated. (You will also find this number on the Van information placard expressed in kilopascals (kPa), which is the metric measure used internationally).

Van manufacturers determine this number based on the Van's design load limit, that is the greatest amount of weight a Van can safely carry and the Van's tire size. The proper tire pressure for your Van is referred to as the "recommended cold inflation pressure".

Because tires are designed to be used on more than one type of vehicle, tire manufacturers list the "maximum permissible inflation pressure" on the tire sidewall. This number is the greatest amount of air pressure that should ever be put in the tire under normal driving conditions.

Checking Tire Pressure:

It is important to check your vehicle's tire pressure at least once a month for the following reasons:

Most tires may naturally lose air over time

Tires can lose air suddenly if you drive over a pothole or other object or if you strike the curb when parking

With radial tires, it is usually not possible to determine under-inflation by visual inspection for convenience, purchase a tire pressure gauge to keep in your vehicle. Gauges can be purchased at tire dealerships, auto supply stores, and other retail outlets.

The recommended tire inflation pressure that vehicle manufacturers provide reflects the proper psi when a tire is cold. The term cold does not relate to the outside temperature. Rather, a cold tire is one that has not been driven on for at least three hours. When you drive, your tires get warmer, causing the air pressure within them to increase. Therefore, to get an accurate tire pressure

reading, you must measure tire pressure when the tires are cold or compensate for the extra pressure in warm tires.

Steps For Maintaining Proper Tire Pressure:

1. Locate the recommended tire pressure on the vehicle's tire information placard, certification label, or in the owner's manual.
2. Record the tire pressure of all tires.
3. If the tire pressure is too high in any of the tires, slowly release air by gently pressing on the tire valve stem with the edge of your tire gauge until you get to the correct pressure •
4. If the tire pressure is too low, note the difference between the measured tire pressure and correct tire pressure. These "missing" pounds of pressure are what you will need to add •
5. At a service station, add the missing pounds of air pressure to each tire that is under inflated.
6. Check all the tires to make sure they have the same air pressure (except in cases in which the front and rear tires are supposed to have different amounts of pressure)

If you have been driving your vehicle and think that a tire is under-inflated, fill it to the recommended cold inflation pressure indicated on your vehicle's tire information placard of certification label.

While your tire may still be slightly under-inflated due to the extra pounds of pressure in the warm tire, it is safer to drive with air pressure that is slightly lower than the vehicle manufacturer's recommended cold inflation pressure than to drive with a significantly under-inflated tire.

Since this is a temporary fix, don't forget to recheck and adjust the tire's pressure when you can obtain a cold temperature reading.

Tire Size:

To maintain tire safety, purchase new tires that are the same size as the Vans original tires, or another size recommended by the chassis manufacturer.

Look at the tire information placard, the owner's manual or the sidewall of the tire you are replacing to find this information. If you have any doubt about the correct size to choose, consult with a tire dealer.

Tire Tread:

The tire tread provides the gripping action and traction that prevents your Van from slipping and sliding, especially when the road is wet or icy. In general, tires are not safe and should be replaced when the tread is worn down to 1/16 of an inch. Tires have built in tread wear indicators that let you know when it is time to replace your tires.

These indicators are raised sections spaced intermittently in the bottom of the tread grooves. When they appear "even" with the outside of the tread, it is time to replace your tires.

Another method of checking your tread depth is to place a penny in the tread with Lincolns head upside down and facing you. If you can see the top of Lincolns head, you are ready for new tires. If you are still unsure if your tires need to be replaced, contact your local professional tire dealer and have your tires inspected.

Tire Balance and Wheel Alignment:

To avoid vibration or shaking of the vehicle when a tire rotates, the tire must be properly balanced. This balance is achieved by positioning weights on the wheel to counterbalance heavy spots on the wheel and-tire assembly.

A wheel alignment adjusts the angles of the wheels so that they are positioned correctly relative to the vehicle's frame. This adjustment maximizes the life of your tires. These adjustments require special equipment and should be performed by a qualified technician.

Tire Rotation:

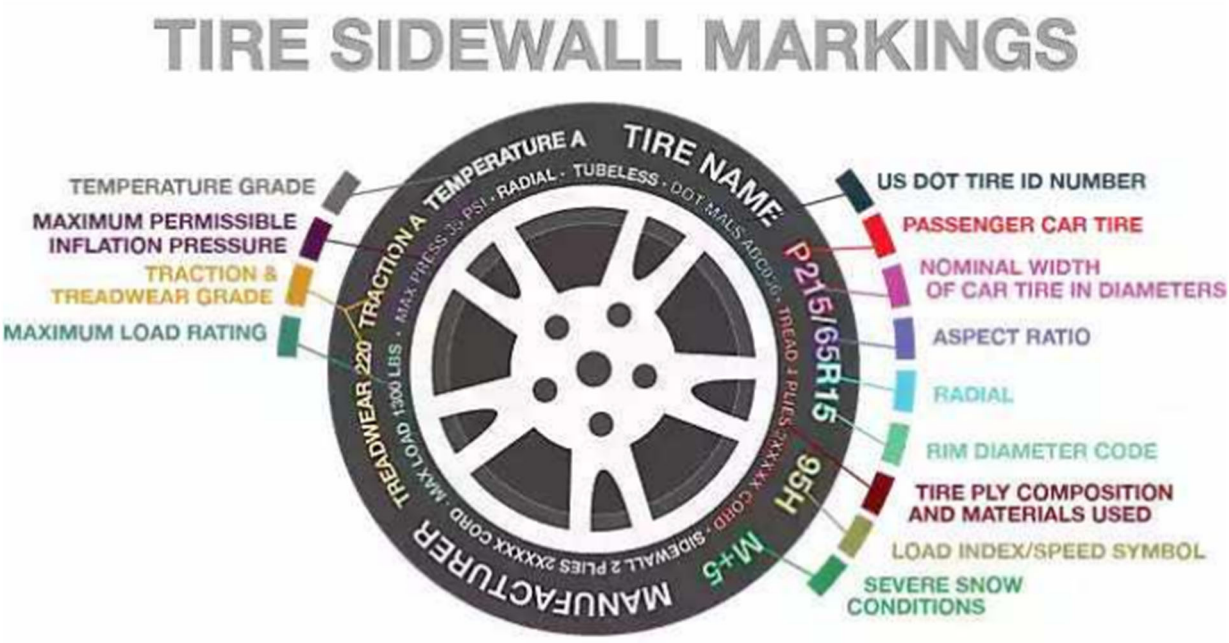
Rotating tires from front to back and from side to side can reduce irregular wear (for vehicles that have tires that are all the same size). Look in your tire manufacturer's owner's manual for information on how frequently the tires on your Van should be rotated and the best pattern for rotation.

Tire Repair:

The proper repair of a punctured tire requires a plug for the hole and a patch for the area inside the tire surrounds the puncture hole. Punctures through the tread can be repaired if they are not too large, but punctures to the sidewall should not be repaired.

Tires must be removed from the rim to be properly inspected before being plugged and patched.

Information on Passenger Van Tires:



The image above provides an example summary of the sidewall markings on passenger vehicle tires.

For specific information regarding the tires on your Van, please refer to the tire manufacturer's manual which is located in your Owners Information Package.

Vehicle Load Limits:

Determining the load limits of a Van includes more than understanding the load limits of the tires alone. On a Van, there is a federal certification label that is affixed in the rear closet.

The certification label will indicate the Vans gross vehicle weight rating (GVWR). This is the most weight the fully loaded vehicle can weigh. It will also provide the gross axle weight rating (GAWR).

Cargo Capacities:

For Vans, cargo can be added to the vehicle, up to the maximum weight specified on the placard. For motorized vehicles, the combined weight of passengers and cargo is provided as a single number. If fewer people are traveling, more cargo can be added.

If more people are involved, the weight of cargo must be reduced. In any case, remember: the total weight of a fully loaded vehicle, including passengers is not recommended to exceed the (GVWR).

Understanding this flexibility will allow you to make choices that fit your travel and camping needs. When loading your cargo, be sure it is distributed evenly to prevent overloading front to back and side to side.

Heavy items should be placed low as close to the axles positions as allowed. Too many items on one side may overload a tire.

The best way to know the actual weight of the Van is to weigh it at a certified public scale. Talk to your RV dealer to discuss the weighing methods needed to determine the various weights related to the Van. This would include weights for the following: axles, wheels, hitch and total weight.

How Overloading Affects Your Van and Tires:

The results of overloading can have serious consequences for passenger safety. Too much weight on your Vans suspension system can cause:

- Spring issues
- Shock absorber issues
- Brake failure
- Handling or steering problems
- Irregular tire wear
- Tire failure
- Other serious damage

Tire Safety Tips:

Preventing tire damage:

Slow down if you have to go over a pothole or other objects in the road

Do not run over curbs or other foreign objects in the roadway, and try not to strike the curb when turning corners or when parking

Tire safety checklist:

Check the tire pressure regularly (at least once a month), this check should also include the spare tire

Inspect tires for uneven wear pattern on the tread, cracks, foreign objects or other signs of wear or trauma

Remove bits of glass or foreign objects wedged in the tire tread. (Use caution when removing such debris as to not cause personal injury).

Make sure your tire valves have valve caps

Check tire pressure before, during, and after a long trip

DO NOT overload your vehicle. Check the tire information and loading placard or tire manufacturer's owner's manual for the maximum recommended load for the Van

Tire Pressure:

Correct tire inflation pressure is essential to maximizing the life of your tires and assuring the safety of the Van and its occupants. Driving with tires that are not correctly inflated for the load of the Van is dangerous and may cause premature wear, tire damage and/or loss of control of the Van.

An under inflated tire will build up excessive heat that may actually approach the vulcanization temperature of the rubber and lead to tread separation and/or disintegration of the tire.

Under inflated tires will also cause poor handling of the Van, rapid and/or irregular tire wear and an increase in rolling resistance of the Van which, in turn produces a decrease in fuel economy of operation.

An over inflated tire will reduce the tire's "footprint" (i.e., its actual contact with the road); thus, reducing traction, braking capacity and handling of the Van.

A tire that is over inflated for the load that it is carrying will also contribute to a harsh ride, uneven tire wear and the tire itself will be more susceptible to impact damage.

Maintaining correct tire pressure for each loaded wheel position on the Van is critically important and must be a part of regular Van maintenance.

Frequency of Checking Tire Inflation Pressures:

When you have determined the "correct" tire inflation pressures for each of the Van tires and inflated the tires under "cold" conditions, meaning the tires haven't been driven for more than one mile, then the air pressures in the tires should be periodically checked to make sure that they keep their proper pressure.

It is recommended that tire pressures be checked at least once a month or preferably every two weeks and before any major trip.

On long trips, the tires should be checked every "drive" morning. On short trips (a day or less), the tires should be checked before one departs on the trip and again before one returns home.

Check tire pressures when they are "cold"; that is tires haven't been driven at all or at most, less than one mile before being measured. In this manner, the tire pressure has not been increased by the heating associated with tire sidewall and tread flexure associated with traveling.

If you check tires that are warm or hot, remember that they will necessarily read higher than normal. Do not "bleed" these tires down to "cold pressure" readings as they will probably be under inflated when they are actually cool. Do not make any adjustments to tire pressures when the tires are warm or hot, if such can be avoided.

To make these tire pressure measurements, it is recommended that you purchase a high quality, truck tire air gauge which has an angled dual head. This type of gauge allows you to check inflation pressures of both the inner dual wheel which has the valve stem pointing towards one and on the outer wheel which has the valve stem pointing away from one. Pressure sealing valve caps should always be used to protect the valve stems and prevent air from escaping from the valve stems.

Tire Wear, Balance, and Wheel Alignment:

In addition to tire inflation considerations, the tires should also be periodically examined for other types of normal "wear and tear". If installed and maintained properly, all tires mounted on the Van should wear in a smooth and even pattern.

If the tires begin to show irregular wear patterns and the Van alignment is still correct, then sometimes having the tires rotated and changing their wheel position will allow the tires to wear evenly. Check the chassis manufacturer (Mercedes Benz) and its literature in the Owners Information Package for particulars on maintaining proper wheel alignment.

Tire Cleaning:

Proper cleaning of the tires will assure maximum years of service. A soft brush and a normal mild soap should be used to clean the tires. Use care in applying any tire "dressing" product as these contain petroleum derivatives, alcohol or silicones which may cause deterioration of the rubber. This could lead to cracking and accelerate the aging process. In many instances it isn't the actual dressing itself, but the reaction of the product with the antioxidant in the tire. Heat can compound this problem also.

TIFFIN

GH SERIES

MAINTENANCE & DATA CHART

Chapter

13

RV Owner's Data Sheet:

Please enter the following information in the table for your future use:

TIFFIN VAN: _____ YEAR: _____ MODEL # _____ TIFFIN VAN SERIAL # _____			
DATE/MILEAGE	WORK PERFORMED	PERFORMED BY	COST

Reproduction Master – Copy this sheet and use copy to maintain your maintenance records. You may wish to keep the completed sheets in a three-ring binder for your permanent record.

RV Owner's Maintenance Record:

TIFFIN VAN: _____ YEAR: _____ MODEL # _____

TIFFIN VAN SERIAL # _____

DATE/MILEAGE	WORK PERFORMED	PERFORMED BY	COST

RV Owner's Maintenance Record:

TIFFIN VAN: _____ YEAR: _____ MODEL # _____

TIFFIN VAN SERIAL # _____

DATE/MILEAGE	WORK PERFORMED	PERFORMED BY	COST

RV Owner's Maintenance Record:

TIFFIN VAN: _____ YEAR: _____ MODEL # _____

TIFFIN VAN SERIAL # _____

DATE/MILEAGE	WORK PERFORMED	PERFORMED BY	COST

TIFFIN

MOTORHOMES

Tiffin Motor Homes, Inc. | 105 2nd St. NW | Red Bay, AL 35582

tiffinVans.com

Phone:256-356-8661 | Email: fxvwrp huvxssruwC wiilqY dqv1frp

To view or download a full color, printable version of this owner's manual, visit

www.tiffinVans.com/resources/owners-manual

OR SCAN BELOW

Because of progressive improvements and specifications, standard and optional equipment are subject to change without notice or obligation. For a complete and up-to-date list of available options and specifications, visit tiffinMotorHomes.com.