



2026 Owner's Manual

TIFFIN
GT 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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TIFFIN

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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 are taking 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 Transport Canada Pour Les Proprietaires 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 GT 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.



WARNING

WARNING indicates a hazardous situation, which, if not avoided, could result in death or serious personal injury, or damage to the equipment.



CAUTION

CAUTION indicates a hazardous situation, which, if not avoided, could result in minor or moderate personal injury, or damage to the equipment.



DANGER

DANGER indicates a hazardous situation, which, if not avoided, will result in death or serious personal injury, and damage to the equipment.

NOTICE

NOTICE is used to address practices not related to personal injury, or damage to the equipment.

TIFFIN

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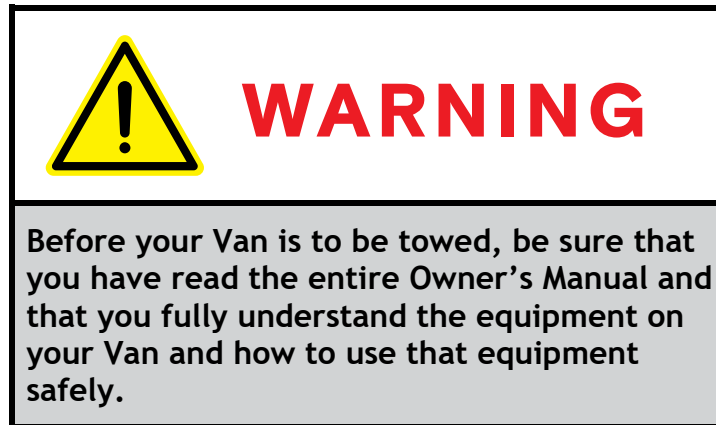
SAFETY INSTRUCTIONS

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.



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.
- ✓ 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 (Figure 2-2). 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.

The CO detector 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.



Figure 2-2: CO Detector

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 GT Series is equipped with a fire extinguisher (Figure 2-3) located in the side 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.

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 (Figure 2-4) located on the ceiling in the living area of the Van.

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.



Figure 2-3: Fire Extinguisher



Figure 2-4: Smoke Detector

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.

TIFFIN

GT SERIES

APPLIANCES

Chapter

3

Refrigerator:

The Vitrifrigo Built-in Refrigerator (Figure 3-1) is a compact and durable cooling solution designed for off-grid travel, offering seamless integration with a 12-volt system that ensures efficient power usage and precise temperature control. Constructed from corrosion-resistant materials, it is engineered to withstand harsh environments while maintaining reliable performance. The adjustable shelving allows for customizable storage, including dedicated space for tall bottles (Figure 3-2), ensuring larger containers fit comfortably without sacrificing capacity. To further enhance durability, powder-coated zinc wire shelves resist corrosion and wear overtime, while magnetic door gaskets create a positive seal, optimizing internal temperature regulation and energy efficiency. This advanced refrigeration system combines rugged durability with modern functionality, making it an ideal choice for mobile living.

To clean the Vitrifrigo refrigerator:

- Remove all food items.
- Wipe down interior surfaces, shelves, and compartments with mild detergent and warm water.
- Avoid using harsh chemicals or abrasive scrubbers.
- Clean magnetic door gaskets with a damp cloth to maintain a tight seal.
- Use a baking soda solution if odors persist.
- Dry all surfaces thoroughly before restocking.



Figure 3-1: Vitrifrigo Refrigerator



Figure 3-2: Refrigerator

Cooktop:

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

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 further use to preserve its sleek design and optimal performance.



Figure 3-4: Induction Cooktop

Microwave:

The Tiffin GT Series features a Convection Smart Air-Fry Built-in Microwave (Figure 3-4) in stainless steel, designed for efficient and versatile cooking. This microwave combines convection cooking with air-frying technology, allowing users to bake, broil, roast, reheat, and grill with precision. The Smart Air-Fry function rapidly circulates hot air around food, achieving a crispy, golden-brown finish without the need for excess oil.

Control Panel Overview (Figure 3-5):

The microwave features an LED display with touch-sensitive buttons for easy navigation. Below are the key buttons and their functions:

1. Power Level Button

Adjusts the microwave's power settings.

Choose from 10 adjustable power levels for different cooking needs.

2. Air-Fry Button

Activates the Smart Air-Fry function.

Rapidly circulates hot air to crisp food without excess oil.

3. Convection Cooking Button



Figure 3-4: Convection Smart Air-Fry Microwave

Enables convection mode for baking, broiling, roasting, and grilling.

Uses a fan to distribute heat evenly.

4. One-Touch Cooking Menus

9 pre-programmed cooking options for common foods.

Examples: popcorn, pizza, vegetables, and beverages.

5. Express Cooking Button

Quickly reheats food with a single press.

Ideal for warming leftovers.

6. Defrost Button

Time, Weight & Auto Defrost options.

Automatically calculates the best defrosting time based on food weight.

7. Start/+30 Sec Button

Begins cooking or adds 30 seconds to the current cycle.

8. Stop/Clear Button

Cancels the current operation or clears settings.

9. Timer Button

Sets a countdown timer for cooking or reminders.

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. 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.



Figure 3-5: Microwave Control Panel



Figure 3-6: Gree Eco-Cool Control Panel

Operating Your Gree Eco-Cool Air Conditioner

1. Power On – Use the control panel (Figure 3-6) or Bluetooth app to turn on the unit.
2. Mode Selection – Choose between cooling, heating, fan, or dehumidifier.
3. Temperature Control – Set your desired temperature via the remote or app.
4. Fan Speed – Adjust airflow for comfort.
5. Bluetooth Connectivity – Use the mobile app for remote control.

Water Heater:

The TIFFIN GT 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 GT Series innovative design.

TIFFIN

GT SERIES

CABINETS & FURNITURE

Chapter

4

Cabinets:

The TIFFIN GT 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 GT 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 overhead cabinets, ensuring additional storage for everyday necessities. With strategically placed cabinets throughout the coach, the TIFFIN GT Series delivers practical and efficient storage solutions to keep your space neat and clutter-free.

The cabinets in the TIFFIN GT 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.



Figure 4-1: Cabinets

Counter Tops:

The Tiffin GT Series features solid surface countertops (Figure 4-2), designed for durability and a refined aesthetic. To further enhance functionality, it incorporates a folding extension (Figure 4-3), 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: Countertops



Figure 4-3: Folding Extension

Operating the Folding Extension

To Open:

1. Lift the extension top until it reaches its fully extended position (Figure 4-4).
2. Ensure the extension is securely in place before use.

To Close:

1. Firmly grasp the extension top on both sides for stability.
2. Simultaneously engage both lock release mechanisms (Figure 4-5) located underneath the extension top.
3. Carefully lower the extension top back to its original closed position.



Figure 4-4: Fold-Out Fully Extended

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.



Figure 4-5: Lock Release Mechanism

Rear Seating:

The Tiffin GT Series redefines comfort with its luxury rear seating, designed for both relaxation and functionality. This elegant space transforms seamlessly into a plush, high-end bed, perfect for winding down after an adventurous day or enjoying a peaceful night's rest on the road. Crafted with premium materials and ergonomic support, the seating offers superior comfort while maintaining a sophisticated design. Whether you're reclining in style or converting it into a cozy sleeping area, the Tiffin GT Series ensures that every evening out feels like a five-star experience, blending convenience with unmatched luxury.



Figure 4-6: Spyder Multiplex Control Panel

To adjust the seating or set up the sofa bed, follow these steps using the Spyder Multiplex Control Panel (Figure 4-6):

1. Access the Control Panel
 - Navigate to the Spyder Multiplex Control Panel and tap on the home page (Figure 4-7) to display available options.
2. Select Your Action
 - Tap on the Mechanical, (MECH) function (Figure 4-8) to access the Rear Seat Controls
3. Select Your Action
 - The control panel offers multiple functions (Figure 4-9):
 - **DOWN:** Lowers the seat cushion for easier access.
 - **UP:** Raises the seat cushion back into position.
4. Choose the Specific Area to Adjust
 - **D/S Ottoman:** Adjusts the Driver's Side Ottoman.
 - **P/S Ottoman:** Adjusts the Passenger's Side Ottoman.
 - **Rear Sofa:** Controls the three-passenger sofa bed.

The Spyder Multiplex Control Panel eliminates the need for manual adjustments, allowing you to transform the seating arrangement effortlessly. This system enhances comfort and functionality, ensuring a seamless transition between seating and sleeping configurations for an enjoyable journey in your Tiffin GT Series.

The Tiffin GT Series is designed with premium materials to enhance comfort and durability, including the use of Ultrafabric upholstery (4-10). This innovative fabric combines luxury with high performance, offering a soft, leather-like feel while being resistant to stains, scratches, and wear. Ultrafabric is known for its breathability, making it an excellent choice for maintaining comfort in varying temperatures. Additionally, it is easy to clean and highly durable, ensuring that the interior of the Tiffin GT Series remains stylish and functional over time. This advanced material reflects Tiffin's commitment to quality and innovation in motorhome design.

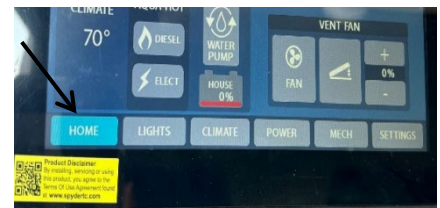


Figure 4-7: Spyder Multiplex Control

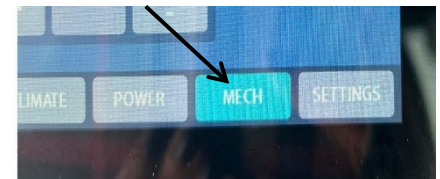


Figure 4-8: MECH Function

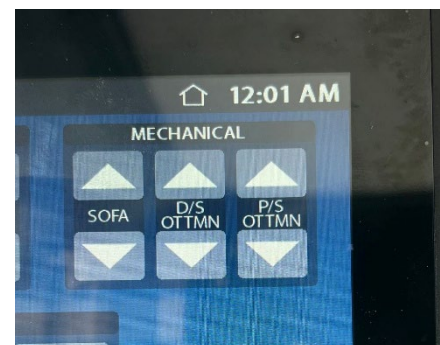


Figure 4-9: Sofa Functions

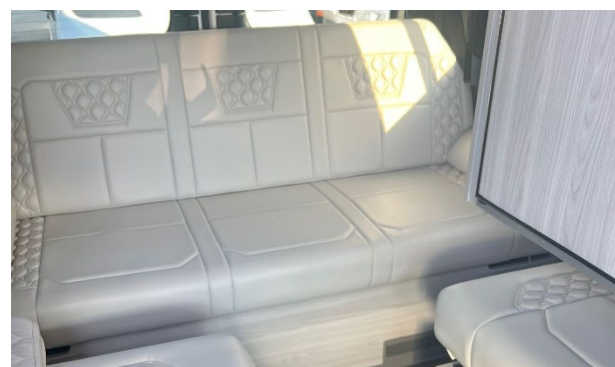


Figure 4-10: Ultrafabric Upholstery

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 Ultrafabric upholstery remains 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 seats in the Tiffin GT Series will maintain their durability, performance, and premium feel for years to come.

Lagun Table:

In the Tiffin GT Series, the lagun table mount (Figure 4-11) is conveniently positioned below the driver-side ottoman, providing a stable and adjustable support system for the table. Designed for

flexibility, the mount allows users to easily swivel and reposition the table to accommodate different seating arrangements or maximize space. This thoughtful placement ensures easy accessibility while maintaining a clean and organized interior layout. Whether used for dining, work, or leisure, the lagun table mount enhances functionality and comfort within the motorhome.

In the Tiffin GT Series, the Lagun tabletop and leg storage compartment is thoughtfully positioned behind the driver's seat, providing a designated space for securely storing the tabletop and leg when not in use. This strategic placement ensures that the components remain easily accessible while keeping the interior organized and free of clutter.

Setting Up the Lagun Table (Figure 4-13):

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.



Figure 4-11: Lagun Table Mount

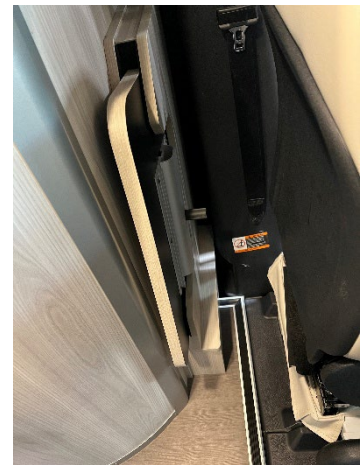


Figure 4-12: Lagun Tabletop and Leg Storage



Figure 4-13: Lagun Table

Outdoor Storage Drawer and Cutting Board:

The Tiffin GT is designed with a convenient outdoor storage drawer (Figure 4-14), that includes a cutting board (Figure 4-15), located on the exterior of the galley base for easy access to essential kitchen tools while maximizing space efficiency. The cutting board is specifically designed to fit securely and flush on top of the storage drawer, providing a stable and convenient surface for meal preparation while preventing shifting during travel. This thoughtful integration enhances functionality and keeps the cutting board neatly positioned when not in use. However, to prevent potential damage, it is important to ensure that the storage drawer is fully closed before shutting the exterior door.

The Tiffin GT Series cutting board is made from Plyboo bamboo, a durable and environmentally friendly material known for its strength, sustainability, and refined appearance. Engineered from layers of pressed bamboo, Plyboo resists warping and provides a naturally antimicrobial surface—perfect for everyday kitchen use.

To keep it clean, wash the cutting board with warm, soapy water using a soft cloth or sponge after each use. Avoid soaking it or putting it in the dishwasher, as prolonged exposure to moisture and heat can damage the bamboo. Dry thoroughly with a towel and occasionally apply a food-safe mineral oil to maintain the board's smooth finish and prevent cracking. With just a little care, your Plyboo surface will stay beautiful and functional for years to come.



Figure 4-14: Outdoor Storage Drawer



Figure 4-15: Outdoor Cutting Board

TIFFIN

GT SERIES

CHASSIS FEATURES

Chapter

5

Performance:

The Tiffin GT Series offers two distinct Mercedes-Benz Sprinter chassis options, each designed to meet different performance and cargo needs. The Mercedes-Benz 170 Extended Cab provides enhanced cargo space and versatility, featuring a 4-cylinder high-output turbo diesel engine that generates 211 horsepower at 3,800 rpm and 332 lb-ft of torque at 1,400–2,400 rpm. With its 9G-TRONIC automatic transmission and rear-wheel drive (AWD), this chassis ensures smooth handling, stability, and traction, making it an excellent choice for commercial and personal applications. The 170-inch extended wheelbase adds extra cargo capacity, making it ideal for users who require more storage for travel or business use.

In contrast, the Mercedes-Benz 2500 Sprinter Cargo Van chassis is built for robust performance and versatility, powered by a 2.0L 4-cylinder Twin Scroll Turbo Diesel Engine delivering 208 horsepower and 332 lb-ft of torque for responsive and efficient driving. Unlike the 170 Extended Cab, this chassis includes all-wheel drive (AWD) for improved traction and control across various terrains and weather conditions. Whether navigating city streets or rugged landscapes, the Sprinter 2500 Cargo Van is engineered for dependable hauling, offering a durable and reliable solution for those needing increased mobility and adaptability.

Together, these two chassis options allow the Tiffin GT Series to cater to a wide range of users, whether they prioritize maximum cargo space or all-terrain capability.

The Tiffin GT 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 250 Amp Primary and a 280 Amp with an output of 250 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 GT Series also features a Front Radiator, ensuring effective cooling even under demanding conditions. Together, these components make the Tiffin GT Series a standout vehicle in terms of capability and reliability.

Brakes:

The Tiffin GT 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 GT Series is designed with versatility in mind, offering two distinct tire configurations based on the chassis selection. For models built on the 144 chassis, the GT Series comes equipped with 245/75 R16 tires, providing a wider footprint for enhanced stability and grip. In contrast, the 170 chassis variant features 215/85 R16 tires, which offer a slightly taller profile ideal for added ground clearance and a smoother ride over varied terrain. This tailored approach ensures that whether you

are opting for the compact agility of the 144 or the extended capability of the 170, your GT Series vehicle is equipped for optimal performance.

To keep your 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

GT SERIES

ELECTRICAL FEATURES

Chapter

6

General Information:

There are two electrical systems in your Tiffin GT 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 GT 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 GT 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 GT 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 GT Series is equipped with the SmartPlug (Figure 6-1) for shore power, thoughtfully positioned at the rear of the driver's side of the van to ensure convenient access and reliable connectivity. 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.

Batteries:

The Tiffin GT 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 1080-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 GT Series a top-tier choice for travelers who require robust and efficient energy systems.

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 GT 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.



Figure 6-1: SmartPlug



Figure 6-2: 30-amp Shore Power Cord



Figure 6-3: Battle Born Battery

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



WARNING

This battery area/compartment is designed for the use of non-vented batteries only. Do not place a battery that requires venting into this area/compartment. Vented batteries can release poisonous and flammable gases. Can lead to a fire or explosion and result in death or serious injury.



AVERTISSEMENT

Cet emplacement ou ce compartiment de batterie est conçu pour l'utilisation de batteries non ventilées uniquement. Ne pas placer de batterie nécessitant une ventilation dans cet emplacement ou ce compartiment. Les batteries ventilées sont susceptibles de libérer des gaz toxiques et inflammables. Cela pourrait provoquer un incendie ou une explosion et entraîner la mort ou des blessures graves.

Inverter:

The Tiffin GT Series Van is engineered for adventure, and its electrical system is powered by the Xantrex Freedom XC 3000 Pure Sine Wave Inverter/Charger. This advanced inverter delivers clean, stable AC power for sensitive electronics and appliances, while its integrated charger ensures efficient battery management for extended off-grid capability.

To keep your Tiffin GT Series Van's electrical system performing at its best:

1. **Regular Inspection**
Check inverter and cabling for dust, corrosion, and loose connections.
2. **Cooling System Care**
Ensure ventilation openings are clear; clean fans periodically to prevent overheating.
3. **Battery Health**
Monitor voltage and charging cycles. Follow manufacturer guidelines for lithium or AGM batteries.
4. **Firmware Updates**
Update via the Xantrex app to maintain compatibility and performance.
5. **Load Management**
Avoid exceeding the inverter's 3,000 W continuous rating to prevent overload.
6. **Environmental Protection**
Keep the inverter in a dry, ventilated space away from moisture and extreme heat.
7. **Periodic Testing**
Test inverter and charger functions regularly to confirm proper operation.

Safety Precautions

- Disconnect all AC/DC power before servicing.
- Use only approved cables and fuses.
- Do not block ventilation or expose the inverter to water.



Figure 6-4: Xantrex Inverter

Battery Disconnect Switch:

The master battery disconnect switch (Figure 6-5) is strategically positioned at the rear of the GT Series on the passenger'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.



Figure 6-5: Battery Disconnect

120 – VOLT AC (VAC) Receptacles:

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

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.



Figure 6-6: 120 VAC Receptacle

Ground Fault Circuit Interrupt (GFCI) Receptacles:

The Tiffin Van has 120 VAC GFCI receptacles (Figure 6-7), which provide greater protection against inadvertent electrical shocks. 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”)

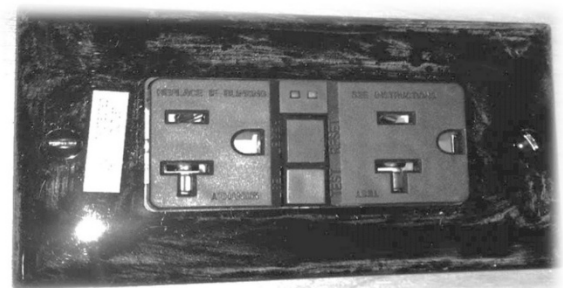


Figure 6-7: 120 VAC GFCI Receptacle

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 GT Series from any overloads. Do not attempt to change the electrical circuitry or to add appliances yourself.

Please consult an authorized Tiffin GT 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.

The circuit breakers are housed within the primary 120 VAC distribution load center (Figure 6-9), located on the base of the driver’s side ottoman (Figure 6-10), ensuring accessible and organized power management. It is neatly concealed behind a flip-down door, ensuring a streamlined and organized appearance while allowing for quick maintenance and adjustments when needed. This thoughtful placement enhances functionality while preserving the sleek interior design of the Tiffin GT Series, making it simple to manage electrical distribution without compromising aesthetics or convenience.

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 Heat Switch:

The Tiffin GT Series is equipped with a tank heat switch that is conveniently located on the home page of the Spyder Multiplex system (Figure 6-10). This placement allows for easy access and seamless operation, enabling users to quickly activate the heating feature when needed. Integrated within the intuitive Spyder Multiplex interface, the tank heat switch ensures efficient temperature regulation, enhancing comfort and protection for essential systems in various weather conditions.

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



Figure 6-9: 120 VAC Distribution Load Center



Figure 6-10: Load Center Location

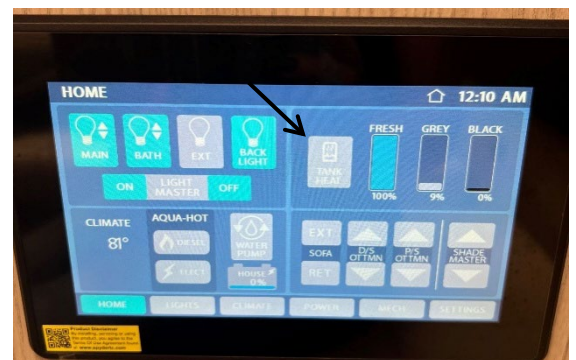


Figure 6-10: Tank Heat Switch

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.

Starlink Pro:

The Tiffin GT Series is designed with modern connectivity in mind, offering prewiring for Starlink Pro to ensure seamless satellite internet integration. Additionally, an optional Starlink installation is available for those seeking a complete setup, allowing travelers to stay connected with reliable high-speed internet wherever their journey takes them. This feature enhances convenience and flexibility, making it easier to access online resources, stream content, and communicate effortlessly while on the road.

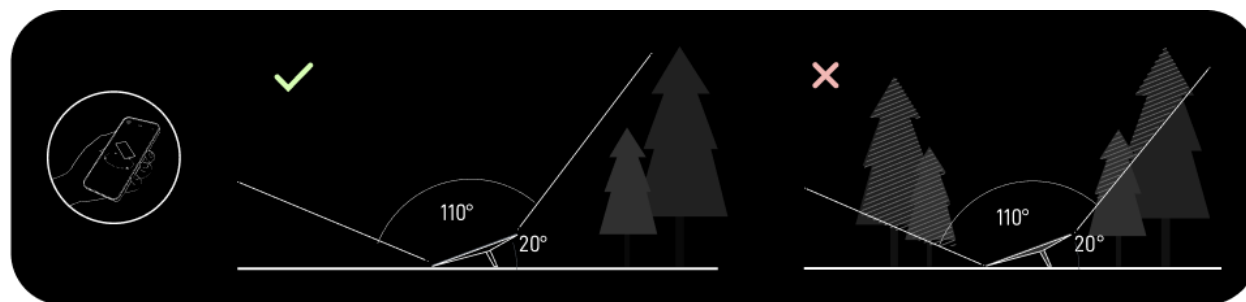
1. Download the Starlink App

Download the Starlink App or 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.



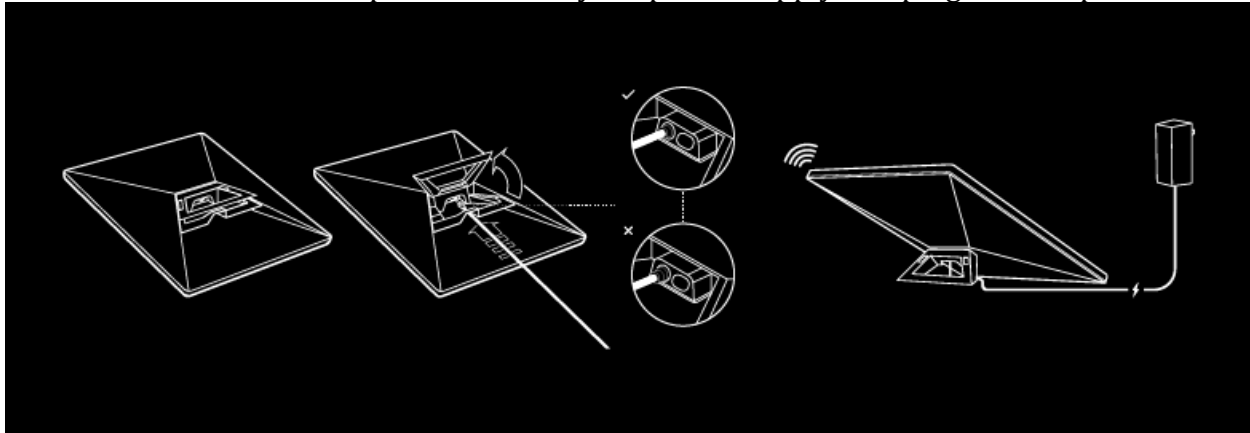
If you could not find a clear field of view from the ground level, consider installing in an elevated location, like a roof, pole, or wall.



3. Plug in Starlink

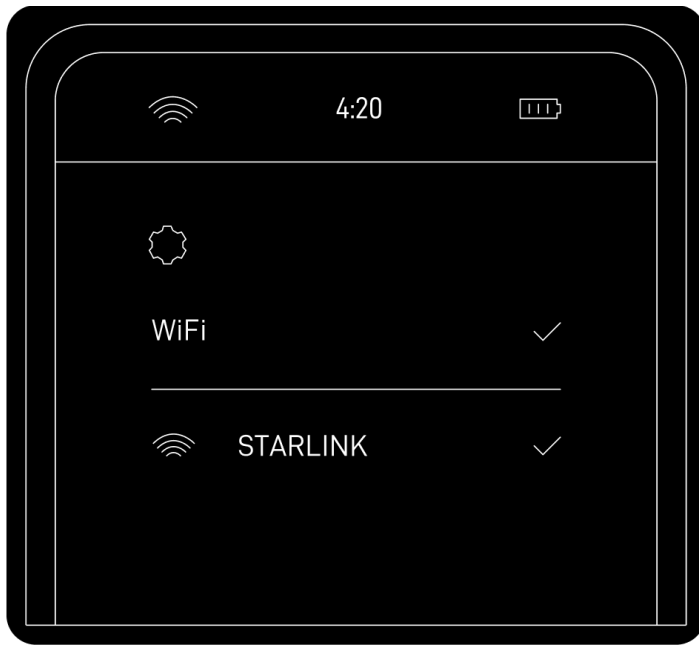
Lift the kickstand and plug one end of the provided cable into your Starlink. Ensure the plug is fully inserted such that the plug face is flush with the surface.

Route the other end of the power cable to your power supply and plug it into a power outlet.



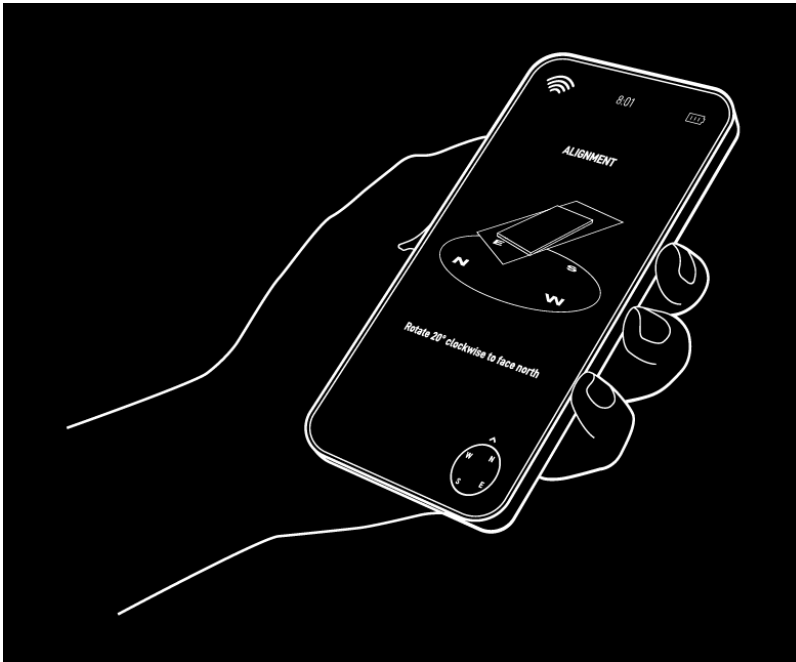
4. Connect to Wi-Fi

- On your device, find and connect to the STARLINK network in your Wi-Fi settings
- 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.

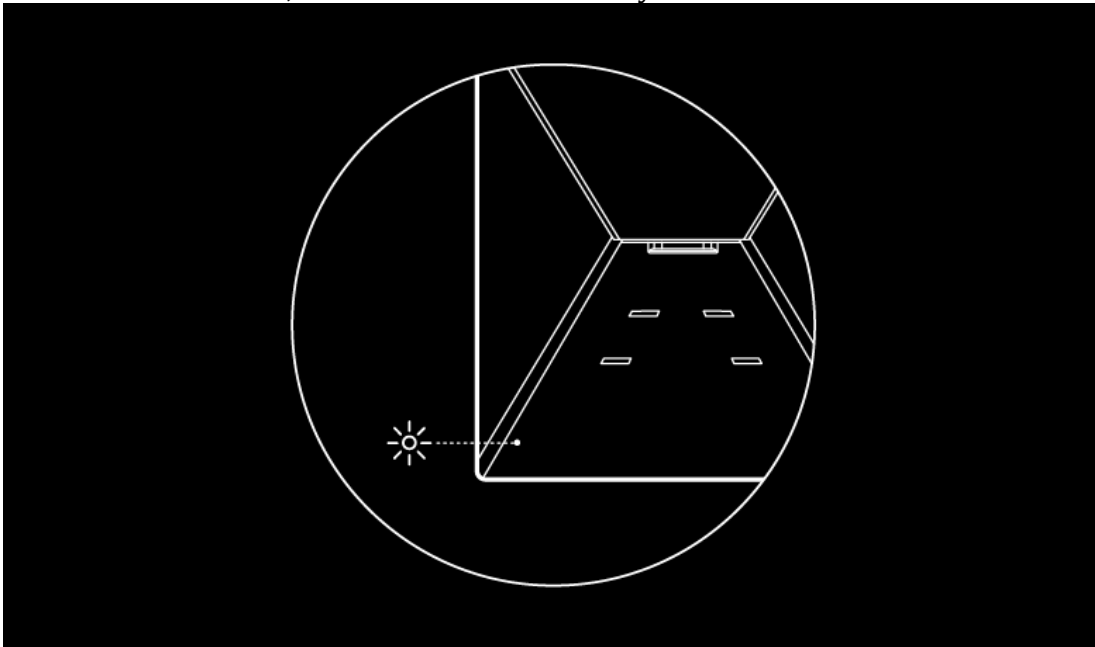


Note: If your Starlink is aligned within 5°, the app will not alert you, indicating your Starlink is properly aligned.

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.

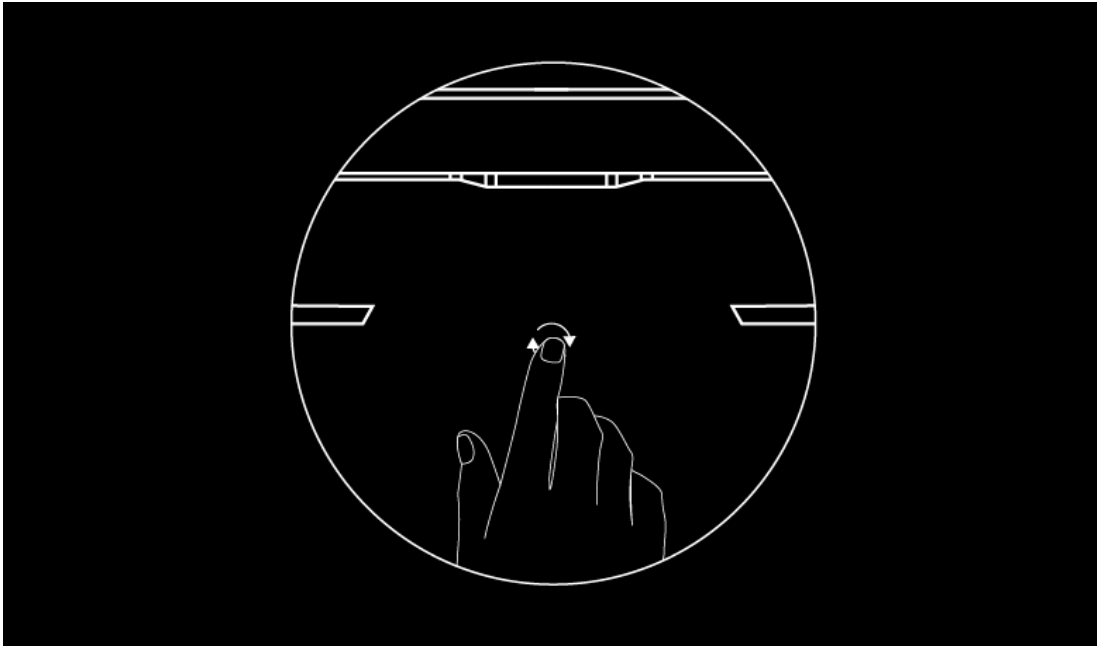
Can't Get Online?

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 Starlink and get online.

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.

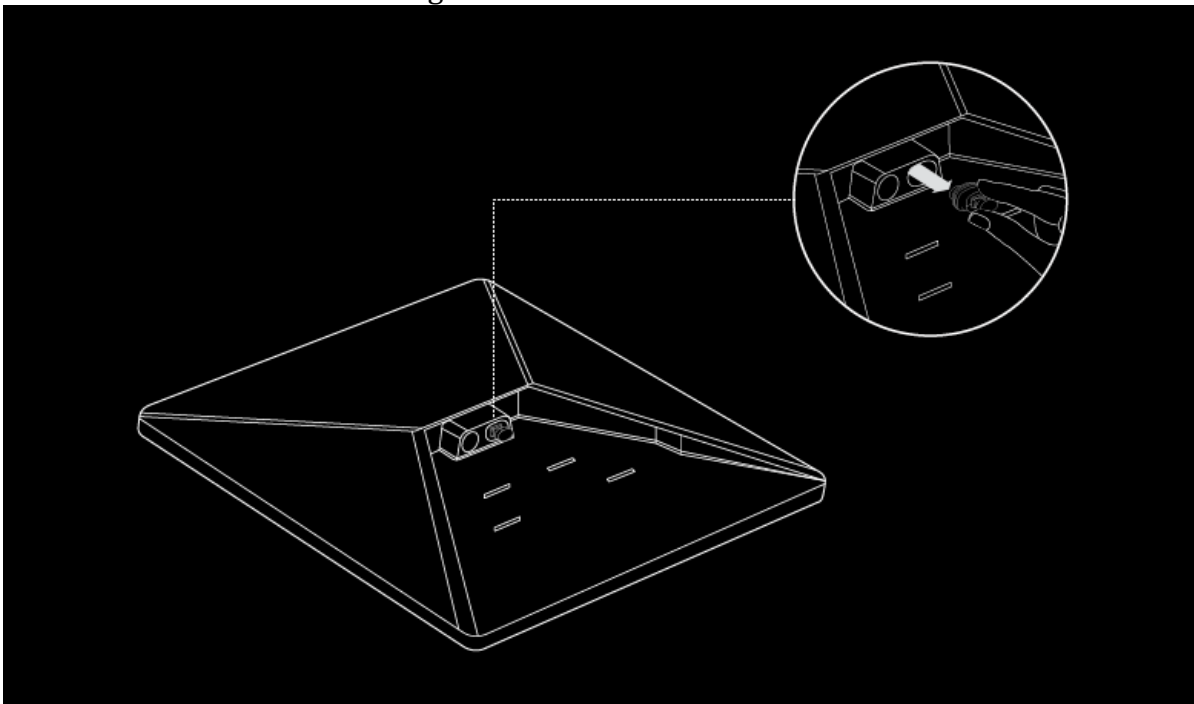


Using Mesh or Third-Party Router

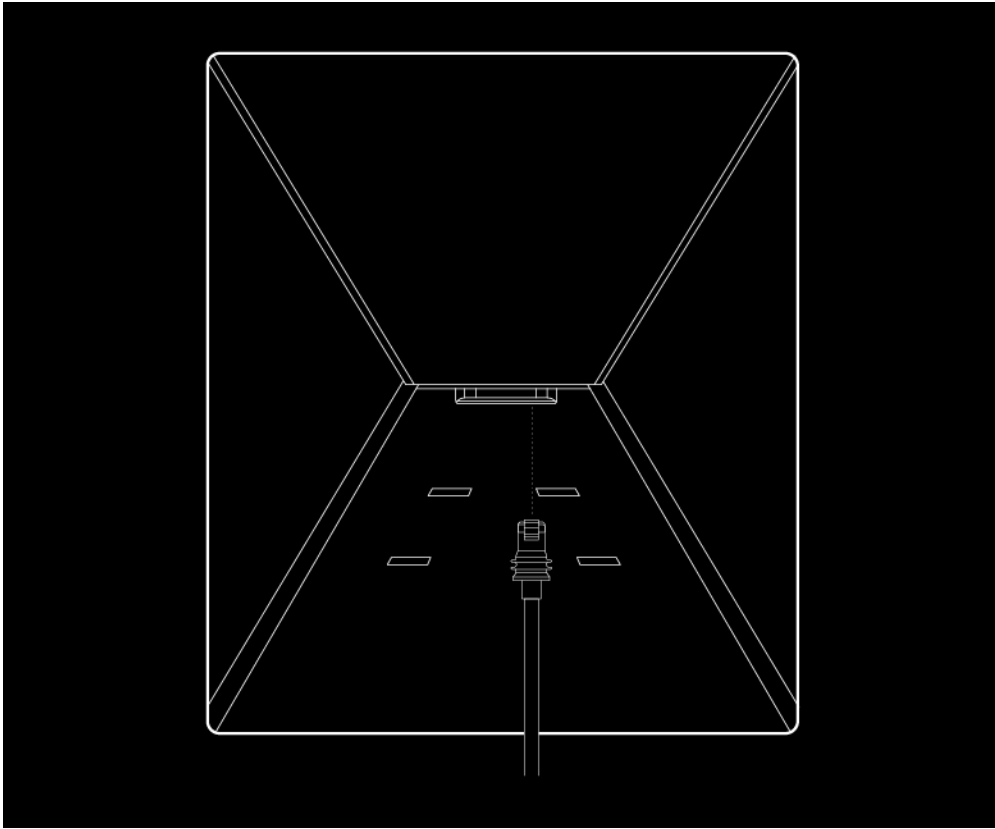
If you want to set up a mesh system with a Starlink router, you can hardwire a router via an ethernet cable into the RJ45 port or create a wireless mesh network. You can also use your own router via the RJ45 port in bypass mode.

To hardwire a router to your Starlink:

1. Remove the Starlink Plug.



2. Plug the 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.



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

TIFFIN

GT SERIES

EXTERIOR FEATURES

Chapter

7

Towing Hitch:

The Tiffin GT Series is thoughtfully designed with a sturdy towing hitch (Figure 7-1) discreetly concealed at the rear of the van, preserving its sleek and sophisticated aesthetic. This hidden integration ensures that the vehicle maintains its seamless exterior while offering exceptional functionality. Engineered for reliability and strength, the hitch supports a maximum towing capacity of 5,000 pounds, allowing for effortless transportation of trailers, small vehicles, or additional gear. Whether embarking on extended road trips or indulging in luxury travel experiences, this refined feature enhances convenience without compromising the elegance of the Tiffin GT.



Figure 7-1: Towing Hitch

To access the towing hitch on the Tiffin GT Series, locate the two thumbscrews positioned underneath the access panel (Figure 7-2), at the rear of the vehicle. Unscrew completely, ensuring they are fully disengaged. Once both screws are released, raise the access panel, which will smoothly lift to reveal the concealed towing hitch.



Figure 7-2: Towing Hitch Access Panel

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 GT 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.

Running Boards:

The Tiffin GT Series is thoughtfully equipped with driver and passenger running boards (Figure 7-3), providing a convenient and stable stepping surface for effortless entry and exit. Designed with both functionality and aesthetics in mind, these running boards enhance accessibility while complementing the vehicle's sleek and refined appearance. Whether entering from the driver's or passenger side, the integrated boards offer added support and ease, ensuring a smooth and comfortable transition into the vehicle.

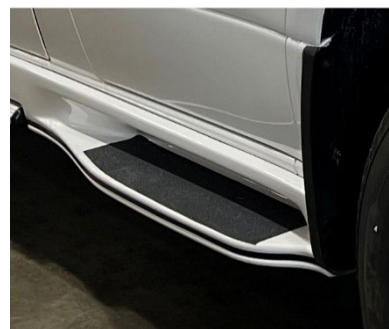


Figure 7-3: Running Board

Sidestep:

The Tiffin GT Series is equipped with a smartly designed electric sidestep (Figure 7-4) that extends automatically when the side door is opened, offering convenient and secure entry into the vehicle. Once the door is closed, the step smoothly retracts, maintaining a streamlined exterior and protecting the mechanism from unnecessary wear. For added flexibility, the step can also be locked in the extended position by pressing the “Step” switch (Figure 7-5) to the OFF setting—allowing uninterrupted access even when the door is in use. Before driving, always return the switch to the ON position to ensure the step retracts properly and to avoid potential damage or road hazards. This user-friendly feature enhances both the functionality and style of the GT Series while supporting a safe and seamless travel experience.



Figure 7-4: Sidestep



Figure 7-5: Sidestep On/Off Switch

TIFFIN

GT SERIES

INTERIOR FEATURES

Chapter

8

Flooring:

The Tiffin GT Series features durable and stylish linoleum flooring (Figure 8-1), designed to provide both practicality and elegance. This high-quality material offers a seamless, easy-to-maintain surface, making it ideal for everyday use while enhancing the vehicle's refined interior. Linoleum flooring is known for its resistance to wear, moisture, and stains, ensuring longevity without compromising on aesthetics. Whether traveling or parked, this thoughtfully selected flooring delivers a polished look while offering comfort and durability for an upscale experience.



Figure 8-1: Linoleum Flooring

Here's a structured guide for cleaning the linoleum flooring in the Tiffin GT Series:

1. Remove Dirt & Debris – Sweep or vacuum the floor regularly to prevent scratches and buildup of dust or dirt.
2. Mop with Gentle Cleaner – Use a damp mop with warm water and mild dish soap or vinegar to clean the surface. Avoid ammonia-based cleaners that can damage the finish.
3. Spot Cleaning – For stains or scuff marks, gently scrub the affected area using baking soda and water or a soft-bristled brush.
4. Polishing – Apply a linoleum-safe floor polish every 6 to 12 months to maintain shine and protect the surface.
5. Preventative Care – Use felt pads under furniture legs to prevent scratching and avoid rubber-backed rugs, which can cause discoloration.

Following these steps will keep your linoleum flooring in excellent condition while maintaining the sleek look of your Tiffin GT Series.

Ceiling:

The ceiling of the TIFFIN GT 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 GT Series is equipped with automated night shades (Figure 8-2), seamlessly controlled through the Spyder control panel for effortless operation. These shades provide enhanced privacy and light management, ensuring a comfortable interior at any time of day. With the intuitive Spyder system, users can lower the shades individually or all at once, offering flexibility to adjust lighting based on preference and need. Whether creating a cozy evening ambiance or ensuring complete blackout for restful sleep, the automated night shades elevate convenience while maintaining the vehicle's sophisticated design.



Figure 8-2: Night Shades

The Tiffin GT Series is equipped with an automated rear floor-to-ceiling bug screen (Figure 8-3), designed to enhance ventilation while keeping insects out. This feature provides a seamless barrier, allowing fresh air to circulate throughout the interior without compromising comfort. Controlled through the Spyder system, the bug screen can be effortlessly raised or lowered with the touch of a button, ensuring convenient operation. Its full-length design maximizes airflow while maintaining the sleek and refined aesthetic of the vehicle, making it an essential addition for outdoor enthusiasts and travelers seeking a perfect blend of luxury and functionality.



Figure 8-3: Floor to Ceiling Bug Screen

Operating the Tiffin GT Series shades using the Spyder control panel (Figure 8-4):

1. **Select "Mech"** – Begin by accessing the **Mech** option on the Spyder control panel.
2. **Choose the Desired Shade** – Select one of the following options:
 - **Rear** – Controls the rear shades
 - **D/S (Driver Side)** – Operates shades on the driver's side
 - **P/S (Passenger Side)** – Adjusts shades on the passenger's side
 - **Screen** – Activates the screen shade
 - **Master** – Raises or lowers all shades simultaneously
3. **Adjust the Shades** – Use the **arrow up** button to **raise** the shades or the **arrow down** button to **lower** them.
4. **Master Shade Control** – If you want to adjust all shades at once, select **"Master"** to raise or lower every shade simultaneously.



Figure 8-4: Spyder Shade Controls

Cleaning night shades requires gentle care to maintain their appearance and functionality. Here's a simple step-by-step guide:

1. **Dust Regularly** – Use a soft microfiber cloth or a feather duster to remove surface dust and prevent buildup.
2. **Spot Cleaning** – For stains, lightly dab the affected area with a damp sponge and mild soap. Avoid excessive moisture to prevent warping or discoloration.
3. **Preventative Care** – Keep shades clean by avoiding direct contact with greasy hands and regularly wiping down any exposed surfaces.

TIFFIN

GT SERIES

PLUMBING & BATH FEATURES

Chapter

9

Kitchen Sink:

The Tiffin GT Series kitchen is a leap into bold innovation, where the benefits of a stainless-steel single bowl sink with a built-in sprayer (Figure 9-1) 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.

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.



Figure 9-1: Single Bowl Sink and Sprayer Faucet

Shower:

The Tiffin GT Series is designed with a private bathroom that combines luxury with functionality. It features a custom fiberglass shower with an integrated sink (Figure 9-2), offering a seamless and durable design. A wraparound shower curtain provides enhanced coverage, while a shower door adds an extra layer of privacy. The space also includes a built-in toilet paper holder (Figure 9-3) for convenience. One standout feature is the adjustable mirror (Figure 9-4), which can be rotated for use inside or outside the shower, allowing for maximum flexibility and ease of use. This thoughtfully designed bathroom ensures comfort and practicality while maintaining the upscale feel of the Tiffin GT Series.

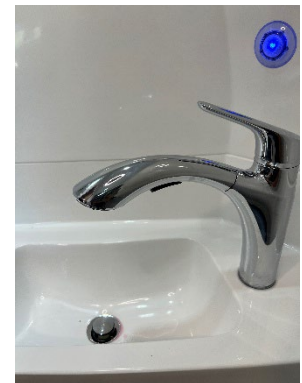


Figure 9-2: Integrated Sink



Figure 9-3: Built-in Toilet Paper Holder



Figure 9-4: Adjustable Mirror

Shower Operation:

Tiffin GT Series features a ShowerMiser (Figure 9-5), 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 9-6) 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 9-7) 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.

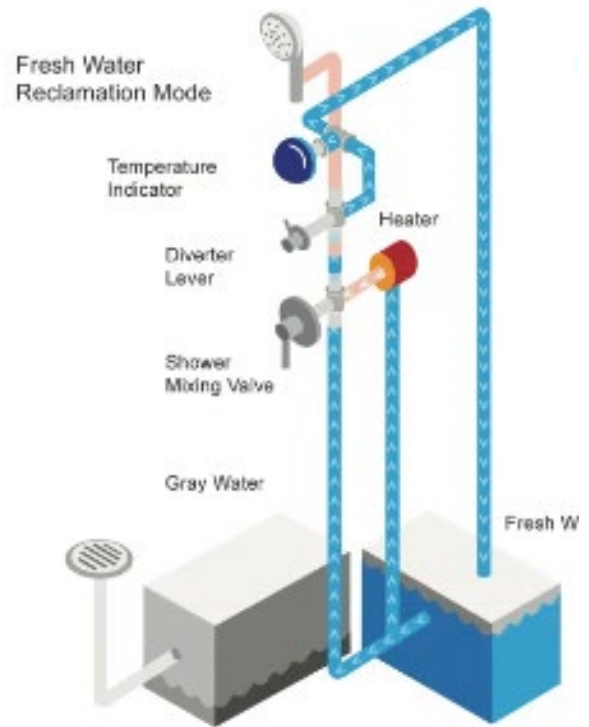


Figure 9-5: ShowerMiser

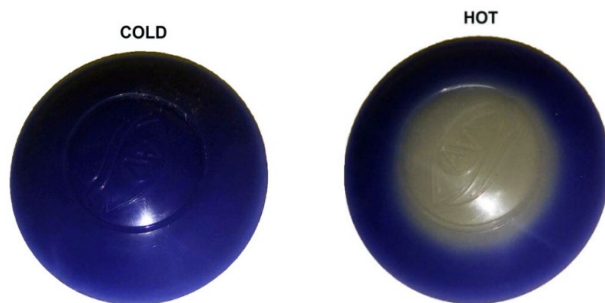


Figure 9-6: ShowerMiser Indicator



Figure 9-7: ShowerMiser
Lever

Shower/Sink Faucet:

The Tiffin GT Series features a versatile shower sink faucet (Figure 9-8) designed for both convenience and functionality. This innovative fixture extends seamlessly, allowing it to function as a handheld sprayer when detached. For showering, the faucet can be securely attached to the designated holder on the shower wall, transforming into a stable, hands-free showerhead. This dual-purpose design maximizes space efficiency while maintaining the vehicle's sleek, modern aesthetic, ensuring a refined and adaptable bathroom experience.

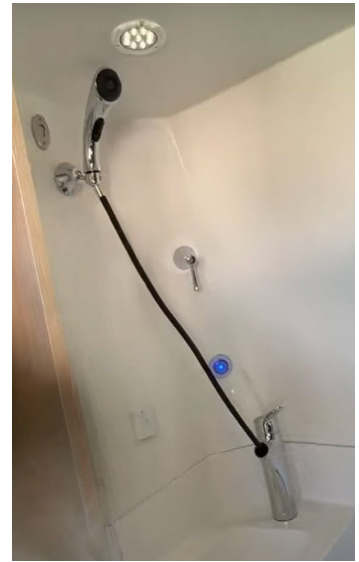


Figure 9-8:
Shower/Sink Faucet

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
 - On the home screen of the Spyder control panel, simply click the water pump icon (Figure 9-9) to activate the water pump 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.

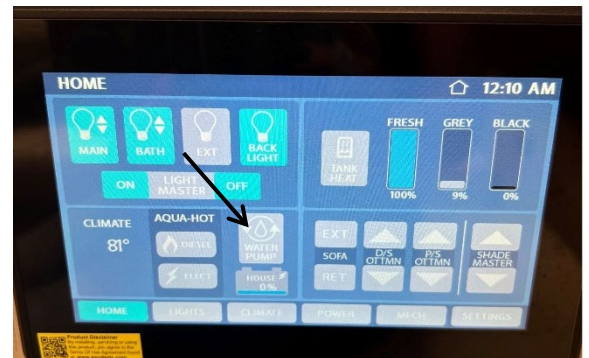


Figure 9-9: Water Pump Switch

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 GT1 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 sewer bay of the Tiffin GT Series is strategically positioned on the driver's side, discreetly concealed behind a magnetized access panel for a streamlined and unobtrusive exterior design. This thoughtfully integrated compartment ensures easy access while maintaining the vehicle's sleek aesthetic, offering a convenient and efficient solution without compromising style or functionality.

Sewer Bay System Overview:

The operational guidelines for the Sewer Bay valve system are as follows:

- City Water Supply – Rotate the yellow handle (Figure 9-10) to the city water position on the left to supply water directly from an external source into the vehicle.
- Fresh Tank Mode – Rotate the yellow handle to the fresh tank on the right to run the water system using the fresh tank instead of city water.
- Ensure Proper Valve Positioning – Always check the handle orientation to optimize water usage based on the desired function.



Figure 9-10: City Water/Fresh Tank Yellow Handle

Filling the fresh tank on the Tiffin GT Series:

- Turn the yellow handle to the fresh tank position to direct water flow into the tank.
- Connect an external water hose to the city water fill port (Figure 9-11) to supply water.
- Allow water to flow until the fresh tank is full.
- Turn off the water supply and disconnect the hose once filling is complete.
- Return the yellow handle to the appropriate position based on your desired water system operation.



Figure 9-11: City Water Fill Port

This process ensures a smooth and efficient way to replenish your freshwater supply.

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 to the water tank.
4. Connect **one end of the vinyl hose** to the **city water fill port** on the sewer board; place the other end of the hose into the solution that has been prepared.

5. Turn “on” the water pump. On the sewer board turn the yellow handle valve to the “fresh tank” 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, 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 the tank and refill it 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 city water fill port 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 yellow handle valve to city water; this will bypass the freshwater tank.
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, 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.

Sewer Connection and Camping:

The Tiffin GT Series is equipped with a black and grey tank gate valve and dump outlet (Figure 9-12), strategically positioned on the driver’s side behind the running board and discreetly concealed by a magnetized door for a streamlined and sophisticated exterior. This thoughtfully designed placement ensures effortless access while preserving the vehicle’s modern and refined aesthetic.

While using the van, it is crucial to always maintain the black and greywater holding-tank gate valve is in the closed position, except when actively dumping the contents. This practice helps



Figure 9-12: Dump Station Location

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.

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.

How to Use the Black & Grey Tank Gate Valve and Dump Valve (Figure 9-14):

1. **Open the Magnetized Door** – Locate and open the access panel to reveal the dump station.
2. **Connect the Sewer Hose** – Attach one end of the sewer hose to the vehicle's dump outlet and the other to the designated disposal site.
3. **Drain the Black Tank First** – Pull the **black tank gate valve** handle to empty solid waste, allowing the tank to fully drain.
4. **Close the Black Tank Valve** – Once empty, push the valve handle back in to seal it.
5. **Drain the Grey Tank** – Pull the **grey tank gate valve** to flush out wastewater, helping clean the sewer hose.
6. **Close the Grey Tank Valve** – Push the valve handle back in once draining is complete.
7. **Disconnect & Store the Hose** – Detach the sewer hose and rinse thoroughly before storing it in a sanitary location.
8. **Close the Magnetized Door** – Secure the panel to maintain a clean and streamlined exterior.



Figure 9-14: Black and Grey Tank Gate Valve and Dump Outlet

TIFFIN

GT SERIES

AWNINGS, VENTS, AND DOORS

Chapter

10

Awning:

The Girard Systems power awning (Figure 10-1) comes standard on the TIFFIN GT 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.

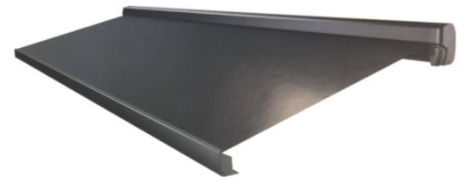


Figure 10-1: Girard Awning

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 locate the awning switch (Figure 10-2):

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.



Figure 10-2: Awning Switch

The Girard awning has a manual override to close the awning in case of power failures.

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

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

Vents:

The Tiffin GT Series is equipped with exhaust vents and custom-made vent covers (Figure 10-4), designed to maintain optimal airflow while enhancing the vehicle's luxurious aesthetic. These premium vent covers seamlessly integrate with the van's sleek design, ensuring both functionality and style. The exhaust vent controls are conveniently located within the Spyder Multiplex System, allowing users to adjust ventilation settings effortlessly for improved air circulation and comfort. This advanced system ensures a refined and modern travel experience while keeping the interior fresh and well-ventilated.

Doors:

To open or close the electric sliding door on a Mercedes Sprinter chassis from the inside, simply press the door switch located on the dashboard (Figure 10-5) or near the sliding door itself (Figure 10-6). The system is designed to automatically slide open or close once activated. With a remote key fob, you can also press the designated button to operate the door remotely. For manual override, gently pull the handle to disengage the motor and slide the door open or closed manually.

To open and close the electric sliding door on a Mercedes Sprinter chassis from the outside, press the door handle button or use the remote key fob to activate the automatic sliding mechanism.

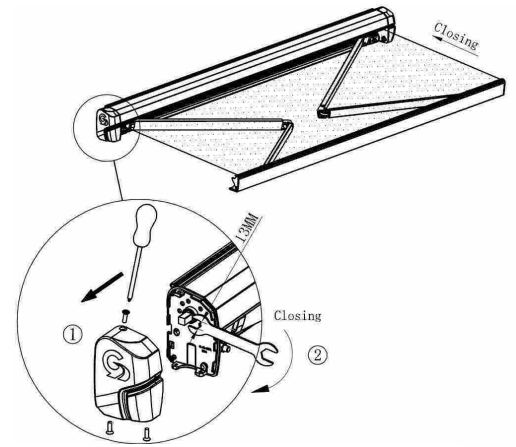


Figure 10-3: Manual Override



Figure 10-4: Exhaust Vent Cover



Figure 10-5: Dashboard Sliding Door Switch



Figure 10-6: Sliding Door Switch

TIFFIN

GT 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.
28. Heated Steering Wheel - Locate the small stalk on the left side of the steering column and twist the end of it to turn the heating feature on or off.

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

Audio System:

The Tiffin GT Series 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, 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. Whether used for entertainment, communication, or



Figure 11-1: Audio System

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, 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:

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.



Figure 11-2: Dashboard Climate Control Panel

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.

TIFFIN

GT 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 GT Series dealer can perform resealing inspections and subsequent work for you. It is recommended that a TIFFIN GT 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.

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 GT 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 GT 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 GT 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 GT 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 GT 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. 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 yellow handle valve to the city fill 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.



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.

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.

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 Lincoln's head upside down and facing you. If you can see the top of Lincoln's 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:

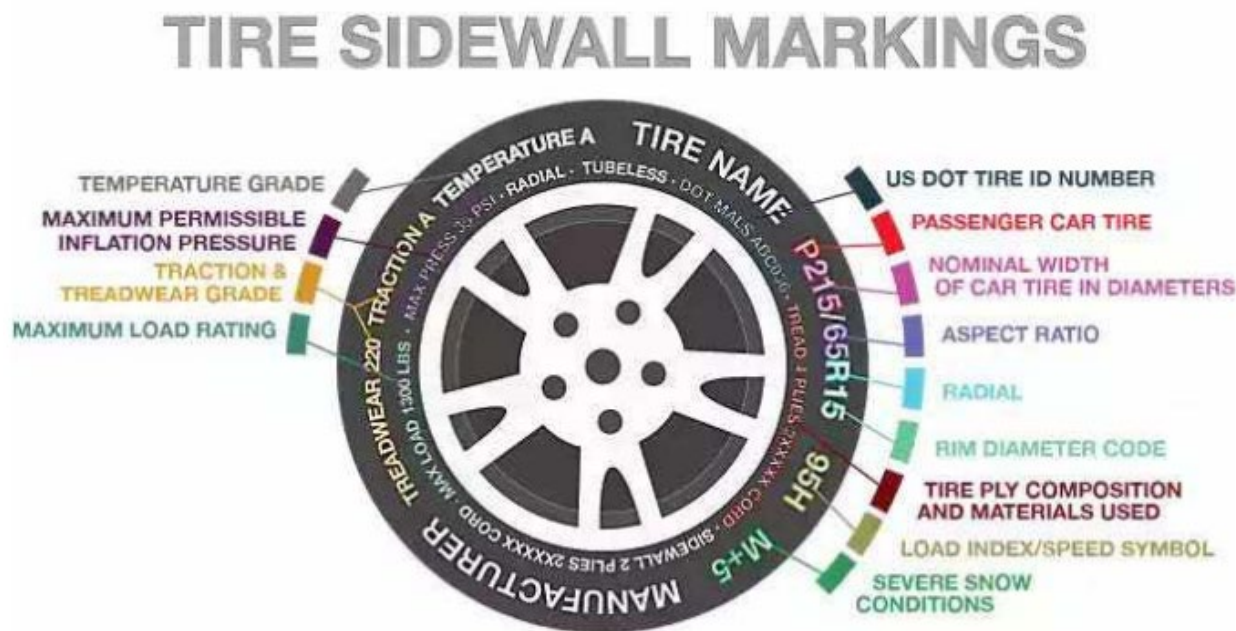
Rotating tires from front to back and from side to side can reduce irregular wear (for vehicles that have tires that are all the same size). Look in your tire manufacturer's owner's manual for information on how frequently the tires on your Van should be rotated and the best pattern for rotation.

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

GT 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



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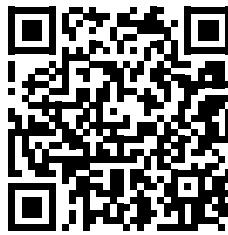
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