

2021 OWNER'S MANUAL



WAYFARER

TIFFIN
MOTORHOMES

MADE TO MOVE YOU.

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GENERAL INFORMATION

CHAPTER

1



TIFFIN
MOTORHOMES

MADE TO MOVE YOU.



DISCLAIMER

Many of the features and appliances in this manual may or may 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 motorhomes is an ongoing and continuous process.

Consequently, Tiffin Motorhomes reserves the right to make substitutions and improvements to its makes and models of motorhomes without prior notification. Substitutions of comparable or better materials, finishes, appliances, instrumentation and instruction may be made at any time it is deemed necessary to provide our owner's with the best possible motorhome meeting the owner's requirements.

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winfieldservice@tiffinmotorhomes.com

WELCOME TO A LIFE OF "ROUGHING IT SMOOTHLY"



Figure 3.1
Tiffin Wayfarer

Tiffin Motorhomes is excited that you have entered the world of motorhome travel. We believe that you and your family will enjoy this lifestyle for years to come. Your Tiffin motorhome provides all the luxuries and comforts of home while allowing you to travel freely as you choose.

Before heading out on the open roads, please take the time to make yourself familiar with this owner's manual to learn more about the operations of your motorhome.

Also, please work with your dealer to learn as much as possible about the functionality and features of your coach. And always remember - *"Wherever you go, we go."*



ABOUT THIS MANUAL

This operator/owner's manual was prepared with you in mind. We want to provide you with the information you need to properly care for and use your motorhome and all of its equipment. Please carefully read through this manual to help you understand how everything in your motorhome works.

NOTE: This owner's manual describes many features of your Tiffin Wayfarer and includes instructions for its safe use. The manual however, including its photography and illustrations is of a general nature. Some equipment and features described may be optional and or unavailable on your model.

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 obligation to install the same products previously manufactured.

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

There is also a flash drive in the information bag inside of your coach with instruction manuals to your appliances as well.



TIFFIN MOTORHOMES



DELIVERY

Throughout the entire manufacturing process, your Tiffin motorhome has been regularly inspected by our qualified factory personnel to assure you of the finest product of the finest quality without exception.

However, the final inspection at our factory is not meant to be the last one. The pre-delivery inspection and system check that your dealer performs are the final inspections done to your particular motorhome prior to you actually receiving your coach.

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 motorhome.

DEALER RESPONSIBILITIES

1. A pre-delivery inspection and systems check is performed to assure a thorough inspection of the motorhome and to assure the proper operation of factory installed components.
2. A customer walk through is performed to familiarize the new owner with the motorhome, 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 instructions and maintenance procedures and schedules are also included in this package.
4. Assisting the customer in completing the registration forms to avoid loss of warranty coverage. *The dealer should 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 motorhome to enable the various manufacturers to receive them within the required time frame.*
5. Providing the customer with information regarding warranty and non-warranty work on the vehicle and its separately warranted components.



GENERAL INFORMATION

CUSTOMER RESPONSIBILITIES

The customer is responsible for regular and proper maintenance of the motorhome and its various components. Properly maintaining your motorhome will help prevent conditions arising from neglect that are not covered by your Tiffin Motorhome and components limited warranty.

The maintenance guidelines in this manual and any other applicable manual(s) should be followed. It is the owner's responsibility and obligation to return the vehicle to an authorized dealer for repairs and service.

To assist you in avoiding problems with your motorhome, it is recommended 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. Please ask questions about anything you don't fully understand about your Wayfarer. Tiffin Motorhomes is here to serve you and assure that you have all the information necessary for your safe and enjoyable use of your new motorhome.
3. When you are taking delivery, setup an appointment for adjustments. ***This appointment should be within two weeks after you accept delivery of your new motorhome.***
4. You are responsible for an expected to use your Wayfarer in a responsible and safe manner. Please take the time to familiarize yourself with the proper operation of the motorhome and all of its features before you attempt to use your motorhome.
5. Once a year the roof seals need to be inspected and replaced if need be to prevent leaks. This can be done at a Tiffin Motorhomes Service Facility.

TIFFIN MOTORHOMES LIMITED WARRANTY

The Tiffin Motorhomes limited warranty was provided to you by your authorized Tiffin Motorhomes dealer during the pre-delivery inspection. When you inquire about your Tiffin Motorhomes warranty, please refer to this document. Should you need an additional copy, please contact:

Tiffin Motorhomes Inc.
625 Fawn Grove Road Winfield,
Alabama 35594

Tiffin Motorhomes will be pleased to send you an additional copy or any other information requested, as may be warranted.

MAJOR EQUIPMENT MANUFACTURERS

The following list is a compilation of the vendors and suppliers of the major subsystems and components of your Wayfarer. This list is provided for your convenience and is not meant as a complete substitution of the literature and accompanying "how to contact us" information supplied by those vendors and suppliers in your Owner's Information Package. Where appropriate, website information is provided as well.

- | | | |
|--------------------------------|----------------|--|
| • Atwood Mobile Products | (800) 646-8557 | www.atwoodmobile.com |
| • Atwood LP Gas Water Heater | (815) 877-5700 | www.atwoodmobile.com |
| • Truma | (855) 558-7862 | www.truma.net |
| • Kwiikee | (541) 942-3888 | www.kwiikee.com |
| • Norcold, Inc. | (800) 543-1219 | www.norcold.com |
| • Onan Corporation | (612) 574-5944 | www.onanindiana.com |
| • RV Products (Coleman A/C) | (316) 832-3400 | www.airxcel.com |
| • Precision Circuits Inc. | (630) 240-9832 | www.precisioncircuitsinc.com |
| • Saf-T-Alert (CO/LP Alarm) | (800) 383-0269 | www.safetalert.com |
| • Triple H | (800) 237-4277 | www.triplehelectronics.com |
| • Dometic Corporation | (219) 294-2017 | www.dometic.com |
| • Lippert Corporation | (574) 535-1125 | www.lippert.com |
| • Big Foot Leveler Corporation | (800) 752-9815 | www.bigfootleveler.com |

For those looking for more information (e.g., locations of authorized subsidiaries) the following website, www.rvamerica.com/data/s/_alist.htm should be very helpful. This site provides complete, alphabetical listings of all suppliers and vendors for all contemporary recreational vehicles and motorhomes.



WARRANTY SERVICE

Mercedes-Benz covers Roadside Assistance for the full term of the bumper-to-bumper chassis warranty of 3 years or 36,000 miles, whichever comes first.

Tiffin Motorhomes warranties its utilized construction for three years and its laminations for three years. Any service work performed after the expiration of the Tiffin Motorhomes warranties WILL NOT be covered under the conditions of the implied Tiffin Motorhome warranty. Exceptions may be made on an individual basis, to this deadline on account of the unavailability of parts and/or service appointment time where work is to be performed.

Neither Mercedes Benz nor Tiffin Motorhomes provides warranty for the motorhome tires. Please refer to the tire manufacturers guide provided in the Owner's Information Packet for any warranty information.

However, do not rely on the possibility of an exception: please schedule any desired in-warranty work before the expiration of your motorhome warranty.

OWNERS INFORMATION PACKAGE

The **Owner's Information Package** (Figure 7.1) includes valuable documents about your Wayfarer and its components and systems. By consulting the booklets and instruction manuals included, you will learn how to operate, maintain and troubleshoot these items safely and effectively. The Tiffin Motorhomes Wayfarer Owner's Manual does not cover every possible detail of equipment; standard or optional on your coach.

As with all valuable documentation, please keep them in a safe and secure place for later use and consultation. When you complete and mail to the respective manufacturer(s) any warranty/guaranty registration card(s), make a photocopy of both sides of each card prior to mailing and keep the copy in your permanent records for your Wayfarer motorhome.



Figure 7.1
Owners Information Package

CUSTOMER RELATIONS

If you wish to schedule maintenance, service or to order parts, you should notify your local authorized Tiffin Motorhomes dealership to setup an appointment or place an order. If you are unsure of the location of your nearest authorized Tiffin Motorhomes dealership, please access the Tiffin Motorhomes website at www.tiffinmotorhomes.com and then click on the "Locate Dealer" tab and then enter the appropriate search criteria such as state and retail sales. Then click on the Red Ball located on the map to pull up the dealer information for that area.

SPECIFICATION LABELS

There are two main labels used to identify your Tiffin Motorhomes Wayfarer. The **Vehicle Identification Number (VIN)** is the legal identification of the completed motorhome. The VIN is the number used by the state for the vehicle identification and registration.

(Figure 8.1 & 8.2)

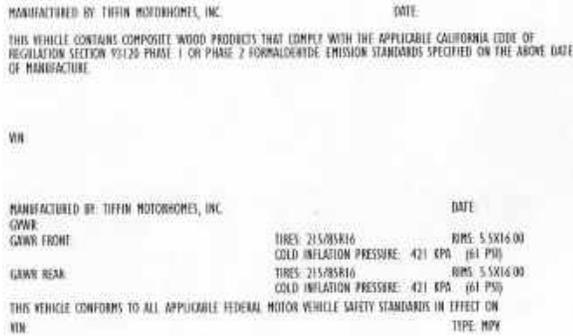


Figure 8.1
Wayfarer Vehicle Identification Label 1



Figure 8.2
Wayfarer Vehicle Identification Label 2

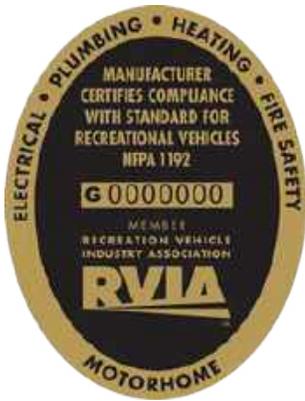


Figure 8.3
RVIA Official Label

Another label affixed to your Tiffin Wayfarer is the Recreational Vehicle Industrial Association (RVIA) label for Tiffin Motorhomes (Figure 8.3).

As a manufacturer's member of the RVIA Tiffin Motorhomes has the obligation to disclose the following information to the purchaser of the motorhome:

- An indication of the contents of the motorhome weight label affixed to the motorhome
- A concise explanation of the following items: **Vehicle Weight Distribution** and **Proper** weighing techniques to be used when weighing the coach.
- Specific definitions for the following terminology:
(Continued on Page 9)

SPECIFICATION LABELS CONTINUED

- **Gross Vehicle Weight Rating (GVWR)** - This is the maximum weight of the motorhome when it is fully loaded.
- **Unloaded Vehicle Weight (UVW)** - This is the weight of the motorhome as built at the factory, with full fuel, engine oil and coolants. The UVW does not include cargo, fresh water, LP gas or any dealer installed components.
- **Cargo Carrying Capacity (CCC)** - This is the maximum weight of all occupants including the driver, passenger(s), personal belongings, food, fresh water, waste water, gas, tools, tongue weight of towed vehicle (if applicable), dealer installed accessories and the like. The CCC is equal to or less than the GVWR minus the UVW.
- **Gross Combination Weight Rating (GCWR)** - This is the value specified by the chassis manufacturer as the maximum loaded weight of the motorhome with a towed trailer or vehicle (if applicable).
- **Sleeping Capacity Weight Rating (SCWR)** - This is the maximum weight capacity of the combined number of persons (i.e., number of people multiplied by 154 pounds per person) permitted to sleep within the motorhome.
(Please note this is a median average and actual passenger weight may vary).
- **Gross Axle Weight Rating (GAWR)** - This is the maximum allowable weight for an axle; the GAWR considers the weakest link in the tire, wheel, brakes, hubs, axle, springs and attaching parts. To illustrate, if the axle is rated for 15,000 pounds and the tires are rated at 3,200 pounds each as a dual installation, then the maximum GAWR would be 12,800 pounds for a four tire vehicle.

WEIGHT DISTRIBUTION

To assure the maximum stability of the motorhome under static (i.e., parked) and dynamic (i.e., moving) conditions, the distribution of the items to be carried and stored within the motorhome and in the storage bays underneath the motorhome should be performed in such a manner to strive for reasonably even side-to-side and front-to-rear dispersion of the weight of those stored items.

This process will assure that the motorhome is not "lop-sided" in weight distribution(i.e., all the stored weight is not on one side and/or mainly towards the front or the rear).

Keeping a center of mass of the motorhome essentially centered on a front to rear or side to side basis will also provide better control of the motorhome when it is in motion.

SAFETY ICONS AND MESSAGES

Please note that several icons and labels listed in this manual represent items that need your attention. The Notice, Caution, Warning and Danger icons and labels alert you to precautions that may help you avoid damage to your motorhome, its equipment and to your personal safety.

Please read and follow them carefully.



NOTICE: Notice is used to address practices not related to personal injury.



CAUTION: Caution indicates a hazardous situation, which if not avoided could result in minor or moderate personal injury.



WARNING: Warning indicates a hazardous situation, which if not avoided could result in serious personal injury or death.



DANGER: Danger indicates a hazardous situation, which if not avoided will result in serious personal injury or death.



SAFETY INSTRUCTIONS

CHAPTER

2

SAFETY CONSIDERATIONS

Prior to using your motorhome, especially for the first time or after a long period of non use, please read thoroughly all of the instructions in this Owner's Manual and the chassis manufacturer's manual.

There are several safety considerations which you should realize and follow while your Wayfarer is in motion. These safety considerations as well as others meant to preclude any damage to the motorhome are listed in this chapter. Besides the driver, it would be helpful for the passengers to be familiar with these safety considerations and precautions as well.



WARNING: Before using your Wayfarer motorhome as a tow vehicle, be sure that you have read the entire Owner's Manual and that you fully understand the equipment on your motorhome and how to use all equipment safely.



GENERAL WARNINGS

In general, there are several common sense safety precautions that should be taken every time your motorhome is to be used on the road.

These precautions include:

- Only seats with seat belts should be used while the motorhome is in motion; those seat belts should be worn by all people in the motorhome including the driver and all passengers.
- While the motorhome is moving, lock all seats in the forward facing position to provide maximum safety for all users.
- While the motorhome is moving, no one inside should ever stand or kneel on seats, (i.e, young children).
- In the majority of states, it is the law that seat belts must be used (fastened snugly about the chest and hip areas), anytime the motorhome is in motion. This is needed to provide the desired protection in the event of a crash.
- Any fire extinguisher(s) should be inspected on a monthly basis to ensure that each extinguisher is properly charged and ready for operation.



GENERAL WARNINGS CONTINUED

PRECAUTIONS CONTINUED:

- Any smoke and/or carbon monoxide (CO), liquid propane (LP) alarm(s) should be regularly inspected and tested. If being used for the first time, the smoke and/or CO/LP alarm should be properly activated and fresh batteries should be installed before the motorhome is placed into service. (Please refer to individual owner's manual for proper testing and battery installation). ***Never sleep in a motorhome that does not have a properly functioning smoke and/or CO/LP alarm(s).***
- While the motorhome is moving, the sleeping facilities are not to be used.
- In the event of an emergency, make sure all personnel occupying the motorhome are familiar with all escape exits (doors, escape window). Do not use the emergency exit window as a routine exit. This is strictly to be used for emergency purposes only.
- Movement inside the motorhome should be minimized while the motorhome is in motion.
- Never leave the driver's seat unattended while the motorhome is in motion.

YOUR PRE-DEPARTURE CHECKLIST



For your continued safety and convenience, the following is a representative" check list designed to assure your safety while driving.

- ✓ Clean all windows, mirrors and light lenses (front, back and side) to assure you can "see" and "be seen". Reposition any mirrors or other fixtures to provide an unobstructed view (front, side, back) from the driver's seat.
- ✓ Remove or secure all loose fixtures (e.g. awnings, flags, antennas, portable lighting) to keep them from falling from the motorhome when it is in motion.
- ✓ Do a "walk-around" visual inspection of the motorhome to note any irregularities (e.g. loose trim) or problems (e.g. low tire pressure). Correct noted problems accordingly.
- ✓ Check all exterior storage compartment(s) and generator compartment doors to make sure that all cargo and equipment are properly secured so they wont work loose and become hazards during sudden starts and stops.
- ✓ Check tires for proper inflation (i.e, cold tire inflation recommendation in tire manufacturers literature). If the motorhome has recently been used, make sure that the "hot tire inflation" pressure (located in the tire manufacturers literature) is maintained. All tires should be within one to two pounds (psi) of each other.
- ✓ Examine wheel lug nuts to assure their proper tightness. If any lugs nuts are found to be loose, first check the fit of the wheel to the hub to make sure it is mounted properly. If the wheel is improperly mounted it could cause the wheel to wobble when the motorhome is in motion. Secure and tighten the lug nuts before driving the motorhome.
- ✓ Check all fluid levels (e.g., engine oil, transmission fluid, coolant, power steering fluid, brake fluid and battery fluid if applicable, windshield washer solvent) to assure correct levels are maintained. Fill any low reservoirs as needed.
- ✓ DO NOT SUBSTITUTE any fluids for specified oils, transmission fluid, brake fluid and or hydrolic fluids. ***In most instances, substitution fluids are not accepted and may void applicable warranties.***
- ✓ Prior to starting the motorhome engine, make sure all lines (e.g., water and sewer) and electrical power cords are disconnected and properly stowed.
- ✓ After entering the motorhome, make sure that electrical actuated retractable step has properly closed to its stowage position. ***Do not drive with the step extended, doing so may cause damage to the motorhome.***
- ✓ Check visually that all stabilizer legs are retracted before operation of the motorhome.

DRIVING SAFETY

Various adjustments need to be made to assure the drivers comfort and the safety of the motorhome before starting and putting the motorhome in motion; these include:

- Do not attempt to adjust the driver's seat while the motorhome is in motion.
- Do not adjust the vehicle's tilt steering wheel while the motorhome is in motion.
- The driver should be familiar with all gauges, instrument panel icons, switches and other indicators on the instrument panel prior to driving. ***Please refer to the chassis manufacturer Owner's Manual for further information.***
- Do not operate the cruise control function during any extreme weather situations (e.g., snow, ice, sleet or heavy rain) or when road conditions are hazardous (i.e., icy, snowy, winding roads or heavy city traffic). Also do not operate when a constant speed of the motorhome is not possible or if traffic conditions don't warrant such operation.
- Avoid driving the motorhome through any standing water. If deep enough such water can wet the brake pads and cause fading or failure of the motorhomes brakes. This can lead to excessive sliding or pulling of the motorhome from one side to the other.
- Know the limits of operation of the motorhome. Do not attempt to:
 - Achieve excessive speeds
 - Climb overly steep hills
 - Traverse overly long hill grades
 - Attempt to use the motorhome as an "off the road" (OTR) motorhome
 - Rapidly switch lanes
 - Rapidly accelerate or decelerate the motorhome
- When in doubt about the handling characteristics of the motorhome, consult your chassis manual for further information.
- ***NEVER drive the motorhome with a slide out room extended.***

FUELS FOR THE MOTORHOME



DANGER: All pilot lights, appliances and their ignitors must be turned off before refueling of the motorhomes fuel tanks or propane (LP) containers. A failure to comply could result in serious injury or death.

Your motorhome is designed to use diesel or unleaded fuel only depending on your motorhome chassis. *(If unsure as to which fuel is correct for your motorhome, please refer to the chassis manufacturer manual for further correct fueling information).*

The correct fuel which is used in the routine operation of your motorhome require prudent and safe handling to assure safety of the motorhome and all of its occupants; namely:

- Anytime the motor fuel or the LP tank is to be filled, the motorhome engine is to be turned OFF and all pilot lights and appliances should be turned OFF.
- A no smoking policy should always be observed when refilling the fuel or LP gas tanks.
- After filling any LP system, immediately replace and secure all protective covers and caps.
- After closing of the LP valve, close and securely latch the LP tank access door to prevent unintentional access or damage.
- NEVER connect natural gas to the LP gas system. ***LP gas and natural gas are not interchangeable.***
- When lighting range burners, do not turn burner controls to "On". ***Doing so could allow gas to escape into the motorhome before lighting. (Please refer to appliance manual for further lighting instructions and procedures)***
- NEVER use any other "burning" equipment (e.g., charcoal grills, wood stoves, butane lights, propane lights) inside the motorhome. Doing so may cause fires and/or asphyxiation.

WARNING: Liquid propane (LP) gas container, gasoline or other flammable liquids are not to be placed or stored inside the motorhome. because a fire or explosion may occur.



LP gas containers (Figure 17.1) are equipped with safety valves that may relieve excess pressure by discharging gas into the atmosphere. ***Any containment of that vented LP gas constitutes an explosive hazard.***



Figure 17.1
LP Propane Gas Tank

LIQUID PROPANE (LP) GAS SYSTEM

Check the propane gas (LP) system for leaks yearly or as necessary. *If you smell gas within the motorhome, quickly perform the following:*

- Extinguish any and all open flames, pilot lights and smoking materials.
- Do not touch electrical switches.
- Shut off the propane gas supply at the tank valve or gas supply connection.
- Open doors, windows and other ventilating openings.
- Leave the area until the odor clears.
- Alert campground personnel (If Necessary) and call for Fire/Rescue to check out the motorhome and give the all clear.
- Have the propane system completely checked and the leak source corrected immediately, failure to comply could result in serious injury or death.



WARNING: DO NOT fill the propane (LP) container to more than 80 percent capacity.

A WARNING label such as this is located near the propane (LP) gas container.



WARNING: Any portable fuel burning equipment (e.g., charcoal, propane, butane or wood) **MUST NOT** be used inside the motorhome. Any use of such equipment inside the motorhome may readily cause fires and /or asphyxiation by carbon monoxide poisoning. *Further, such unauthorized use would probably invalidate your motorhome insurance policy.*

LIQUID PROPANE (LP) GAS SYSTEM CONTINUED

Any overfilling of the propane (LP) gas container can result in uncontrolled gas flow, a prime condition for a **fire and/or explosion**.

The propane (LP) container should only be filled to 80 percent of its capacity; the remainder of the cylinder space is an air space to contain expansion of that liquid when subjected to varying ambient temperature conditions. Filling in excess of 80 percent of the liquid volume of the container reduces that air space and thus creates a condition for possible overpressurization of the container.



Figure 19.1
LP Propane Overfilling Notices

All propane (LP) appliance in your motorhome have been approved for use in motorhomes by a nationally recognized testing laboratory (i.e., UL and CSA certified). When properly used, propane (LP) gas is a clean burning fuel which can be dependably used. In actuality, the propane (LP) container contains liquid propane under high pressure.

The liquid when it passes through the tank valve to a lower pressure, vaporizes into a gas and then passes through a regulator to maintain a constant pressure. This gas then, is the actual fuel distributed through the propane (LP) gas manifold system to the propane (LP) based appliances used in your motorhome.

Propane (LP) appliance lighting problems are typically caused by an improperly adjusted gas regulator. **NEVER attempt to adjust or reset the gas regulator yourself.** An authorized service technician is needed to make these adjustments. As a good preventative and maintenance procedure, the regulator should be checked annually by a service technician and also before every extended trip you take in your motorhome.

Even though the propane (LP) gas system is leak checked and verified at the factory at the time of manufacture, normal usage (travel vibrations, etc.) could loosen the fittings. Consequently, it is wise to check the gas fittings periodically for leak tightness.

You can wipe some leak detector solution (e.g., "liquid soap" like solution) on all the fittings, connections and junctures when the system is under pressure. Should there be any leaks, small bubbles will appear at any leak sites.

Generally, loose fittings can be tightened to stop the leaks. If this process doesn't work, then you must shut off the main gas valve at the propane (LP) cylinder(s) and immediately consult an authorized service technician to determine what repairs are necessary. Leaks may also be detected by noting a sulfurous odor (i.e., rotten eggs). **DO NOT search for leaks using a match or open flame.**

LP GAS REGULATOR

The propane (LP) gas regulator (Figure 20.1) is the most critical element of the LP gas distribution system. The regulator converts the high pressure LP gas from the tank into a reduced pressure LP gas supply suitable for use in the various appliances in the motorhome.

You should regularly inspect the regulator system. If any damage or corrosion is noted, contact an authorized service technician to inspect and repair/replace the regulator.



Figure 20.1
LP Propane Gas Regulator

Do not attempt to adjust the regulator yourself; the regulator has been pre-set at the factory. Only a qualified LP service technician using specialized equipment should adjust the regulator.

WARNING: When the motorhome is not in use, be sure to close the main propane (LP) gas valve at the tank.



When the propane (LP) gas tank is to be refilled, close the main valve to preclude the chance of pilot lights possibly igniting fumes from the propane (LP) fuel. As some propane (LP) gas appliances (e.g., refrigerator, furnace and water heater) have ***Direct Spark Ignition (DSI)*** systems, it is very important that these appliances be turned off when the propane (LP) gas is off.

The ***Direct Spark Ignition (DSI)*** boards will continue to work (i.e., emit an ignition spark) even when there is no propane (LP) gas available.

LP DISTRIBUTION SYSTEM

The primary propane (LP) distribution system in the motorhome is a steel manifold located underneath the motorhome. The secondary distribution lines running from the main distribution system are usually reinforced rubber supply lines.

If any of the gas lines break, do not attempt to splice them. Always run new lines to maintain the safety of the motorhome. It is strongly recommended that only a qualified service technician perform this work.

Remember that the main valve at the propane (LP) gas tank must be closed whenever any gas appliance is to be installed, removed or serviced. This process prevents propane (LP) gas leakage which could possibly result in a harmful explosion. If the odor of propane (LP) gas is ever detected, immediately discontinue use of any gas appliance and seek the service of a qualified service technician.

LP DISTRIBUTION SYSTEM CONTINUED



WARNING: The propane (LP) gas distribution system in your motorhome is designed for liquefied petroleum (LP gas ONLY. DO NOT attempt to connect and use any natural or butane gas systems with your propane (LP) gas system.

RECOMMENDED PRACTICES

The following practices are recommended to assure continued safety and reliability of the propane (LP) gas system. These are of course representative but not necessarily all comprehensive.

In all cases, use common sense in the use of the propane (LP) system.

- Visually inspect the propane (LP) fill valve before any refueling option. Check for foreign materials or debris; remove as necessary to assure a leak tight connection.
- Prior to any refueling operation of the propane (LP) gas system, shut off all pilot lights.
- ***NEVER, under any circumstances, check for propane (LP) gas leaks with any type of open flame, doing so would/could probably cause an explosion and subsequent fire. This can lead to serious injury up to and including death.***
- Periodically visually inspect the entire propane (LP) gas distribution system; do so at least annually and/or before any major trips in your motorhome.

Should any problems be noted, seek the service of a qualified service technician to make necessary repairs and perform any maintenance checks.

CARBON MONOXIDE WARNING

A properly maintained engine exhaust and ventilation system is the best way to protect against carbon monoxide's entry into the motorhome. We recommend that the exhaust system and body be inspected by a qualified motorhome service center at least but not limited to:

- Each time the motorhome 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 motorhome has been damaged.

To allow for proper operation of the motorhome's ventilation system, keep the front inlet grill clear of obstructions at all times. Do not occupy a parked vehicle with the engine running for an extended period of time and do not run the engine in confined areas, such as a garage.

Your motorhome is equipped with a Carbon Monoxide alarm (Figure 22.1), which has a sensor that is designed to detect carbon monoxide gas fumes, resulting from incomplete combustion of fuel.

It will detect carbon monoxide gas from any combustion source such as from the furnace, oven/range, water heater, refrigerator, chassis engine and generator.



WARNING: Avoid inhaling exhaust gases as they contain carbon monoxide, which is colorless, odorless and a poisonous gas. Inhalation of this gas can cause serious illness, injury or death.

CO/LP GAS DETECTOR

Since propane (LP) gas is denser than air, the propane (LP) gas will naturally settle to the lowest point in an enclosed space. In the motorhome, this would be the floor.

Because of this, the CO/LP gas detector (Figure 22.1) is necessarily mounted close to the floor.

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



Figure 22.1
CO2 Detector

CO/LP DETECTOR CONTINUED

If the (CO) alarm persists in re-arming and continues to give further alarms, ventilate the motorhome by opening doors and windows and then check for propane (LP) gas leaks. If the leak cannot be readily found SAFELY, then close the main valve to the propane (LP) tank and turn "OFF" all gas appliances.

If necessary, contact the local Fire/Emergency services to check out the motorhome and give the all clear. Once done, take the motorhome to a qualified service technician after the ventilation process is concluded and the doors and windows can be shut safely.

This single compact system provides a powerful combined alarm that detects both Carbon Monoxide (CO) and explosive gases Propane (LP) as well as Methane (Natural Gas). This detector uses the latest microprocessor technology combined with two electronic self-cleaning sensors that operate independently of each other. This combined unit can detect both CO and explosive gases simultaneously.

Carbon monoxide (CO), is a colorless, odorless, tasteless gas which if inhaled, 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, carbon monoxide (CO) kills by asphyxiation. In lesser amounts, carbon monoxide (CO) makes the victim groggy, lethargic and unable to think clearly or quickly.

Carbon Monoxide (CO) is one of the products of combustion for many materials including petroleum based products (e.g., gasoline, diesel fuel, propane and butane among others). Since many of the appliances and the engines associated with the motorhome produce Carbon Monoxide (CO) in their normal operations, it is necessary to assure that Carbon Monoxide (CO) levels do not rise to dangerous levels within the motorhome. **In sufficiently high concentrations, Carbon Monoxide (CO) can cause death within minutes.**

The most susceptible people to Carbon Monoxide (CO) poisoning are unborn babies, small children, pregnant women, senior citizens and people with cardiovascular or respiratory illnesses.

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

Should any of these symptoms be experienced in the motorhome, you should immediately evacuate the motorhome and seek professional medical attention. Shut down the motorhome and do not attempt to operate it again until the source(s) of the Carbon Monoxide (CO) are secured and fixed.

CO/LP GAS DETECTOR CONTINUED

DANGER: Carbon Monoxide (CO) gas, derived from products of combustion of diesel fuel, propane (LP) gas and other petroleum based products, is a deadly gas which can kill motorhome occupants if allowed to accumulate in sufficient concentration.



Assure 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 motorhome should be avoided as such may enter the motorhome through windows or vents.

Be extremely careful as to how and where the motorhome is parked to avoid such conditions. Regularly monitor outside conditions to assure that all exhaust gases can readily be dissipated and not enter the motorhome inadvertently.

DANGER: Never sleep in a motorhome when the engine is running as exhaust fumes could enter the motorhome and cause illness, disability or death.



Regularly check the exhaust system to note any leakage sites. If found, discontinue use of the motorhome until the leaks are repaired by a certified and 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.

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(s) of the motorhome.

Accordingly, it is in the best interest of the owner(s), user(s) and their guests to be aware of basic fire safety practices, procedures and especially those particular features that Tiffin Motorhomes has provided for fire safety.

FIRE EXTINGUISHER

Your Wayfarer motorhome is equipped with a fire extinguisher located in the entrance door stairwell (Figure 25.1).

The extinguisher is rated for both Class B and Class C (i.e., grease, gasoline, diesel fuel, flammable liquids and electrical).

Read and understand the accompanying manufacturer's owner's manual for this extinguisher (found in your Owner's Information Package) and remember the location of the fire extinguisher.



Figure 25.1
Fire Extinguisher

These type of fire extinguishers are pressurized mechanical devices and require that appropriate care be used in their safe storage and use. The manufacturer's owner's manual will provide necessary guidance for the proper storage, handling and use of the extinguishers.

Prudent preventative maintenance suggests monthly inspection of any fire extinguisher to assure that it is properly 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 may lodge some fire retardant materials in the valve mechanism and continue to vent slowly down to zero pressure.

If an extinguisher is ever partially used, continue its use until the unit completely discharged, then have the fire extinguisher fully recharged at an appropriate service center (one can call any fire department for information on having an extinguisher recharged in that particular locality).

DO NOT wait a long time to recharge and empty fire extinguisher; you'll never know when it may be needed next. Should a fire occur inside or around the motorhome, evacuate quickly and calmly and 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 or emergency window) and leave. If such is available, contact local fire/rescue as quickly as possible.

If the fire involves a fuel source (e.g., diesel fuel, gasoline, propane (LP) gas); consider the probability of an explosion and move sufficiently far away to minimize personal harm. If such is available, 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 Wayfarer motorhome is equipped with a battery operated smoke detector (Figure 26.1), located on the ceiling in the living area of the motorhome. The smoke detector should be tested on a weekly basis, before each trip and after any period of storage of the motorhome.

If a low battery is noted or the alarm "chirps" to indicate a low battery condition, immediately replace the battery.

It is suggested that you keep replacement batteries in the motorhome for any in transit replacements so that the smoke alarms capabilities are never compromised.

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



Figure 26.1
Smoke Detector

ELECTRICAL

- ***WARNING: Careless handling of electrical components can be fatal. Never touch or use electrical components or appliances while feet are bare, while hands are wet or while 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.
- ***WARNING: 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

- **WARNING:** *Store or secure all loose items inside of the motorhome before traveling. Possible overlooked items such as canned goods or small appliances on the countertops, cooking pans on the range or free standing furniture can become dangerous projectiles during a sudden stop of the motorhome.*



- Be aware of the gross vehicle weight rating (GVWR), gross axle weight rating (GAWR) and individual load limit on each tire or set of dually tires.
- **WARNING:** *Never load the motorhome in excess of the gross vehicle weight rating (GVWR) or the gross axle weight rating (GAWR) for either axle.*

MAINTENANCE

- **WARNING:** *Do not remove the radiator cap while engine and radiator are still hot. Always check coolant level visually at the see through coolant reservoir. (Consult chassis manufacturer owner's manual for further information).*



- **WARNING:** *Never get beneath a motorhome that is held up by a jack only.*
- **WARNING:** *Do not mix different composition type of tires on the motorhome. Replace tires with exact size, type and load range that came with the motorhome. (Consult tire manufacturer manual that came in Owner's Information Package for further information).*

EMERGENCY EXITS

In the living areas of the motorhome, there are emergency exit windows (Figure 28.1, 28.2, 28.3 and 28.4). These windows are designed for emergency exits when it is not practical to exit by the motorhome door. The motorhome door is also an emergency exit (*If Accessible*).

The windows are noticeable by their red handles and the red "EXIT" label located on the windows.

To use these windows as emergency exits, lift the handle and push outward on the window (Figure 28.3 and 28.4). As required, the window can be closed by pulling the window inwards and the lowering the handle to latch the window back in place.

When parking the motorhome, note where these windows are located so that the exits will not be blocked.



Figure 28.1
Emergency Exit Window in Living Area



Figure 28.2
Emergency Exit Window in Bedding Area



Figure 28.3
Lift Red Handle and Move Towards Left To Extend



Figure 28.4
Push Arm Outward to Lock Emergency Window in Place. Remove Screens Prior to Exiting.

PARKING PROCEDURES

To park the motorhome in any unfamiliar terrain, examine the site for surface irregularities, slopes, inclines or any other items such as stumps, rocks external connections for power/water/sewage. Also examine the area immediately above the parking site for obstructions like tree branches, limbs, signs or overhead wiring.

If the motorhome is to be backed into the parking site, try to have the site be on the driver's left hand side. This will allow the driver to watch the rear of the motorhome. Back up slowly and use the side mirrors and the back up camera as a guide. If possible, have another person outside providing guidance to help park the motorhome. ***(NOTE: If using a second person outside the motorhome to assist with parking, make sure that the driver and person outside are able to communicate both verbally and visually to avoid any injury and/or damage to the motorhome.)***

When the motorhome is finally situated, shift the transmission into park, set the chassis parking brake and then turn "OFF" the engine. Activate the hydraulic leveling system to level and stabilize the motorhome. ***(Please refer to section 10 for further information on the hydraulic leveling system).***

If the motorhome is to be powered externally, connect the 120 VAC power to the motorhome. Turn "ON" the propane (LP) gas valve at the propane (LP) tank. Connect the fresh water supply and sanitize the water systems as needed.

Connect the waste drain hose to the external sewer hookup. Start the refrigerator, water heater and furnace as needed. Light the oven pilot light when needed. ***(Please refer to the appropriate sections of this owner's manual for further direction on completing these procedures).***

Certain appliances such as the refrigerator will not work properly if the motorhome is not level. Be sure to complete the motorhome leveling process before activating any of the appliances. ***(Please refer to section 10 for further information on leveling of the motorhome).***

TOWING HITCH

The Wayfarer motorhome is fully capable of towing a typical motor vehicle, trailer.

The motorhome is equipped with a Class 2; 5,000 Pound towing hitch and associated 7-Pin wiring connector (Figure 30.1).

The towing tongue weight is not to exceed 10 % of the motorhomes towing capacity. If attempting to connect a trailer brake actuator, the plug for the actuator is located to the left of the steering wheel column under the dash.

The total weight of the motorhome and the towed vehicle by the motorhome must not exceed the Gross Combined Weight Rating (GCWR). When the motorhome is being weighed, remember to account for the driver, and all passengers occupying the motorhome.

Any vehicle to be towed by the Wayfarer motorhome should have adequate active braking. As noted, the wiring connector provided is a standard seven pin connector.

Tiffin Motorhomes does not recommend using any type of hydraulic towing lift that attaches to the rear of the motorhome. These hydraulic towing lifts are used to carry items such as motorcycles, scooters, golf carts etc.



Figure 30.1
Towing Hitch and 7 Way Pin Connector



HEATING & AIR CONDITIONING

CHAPTER

3

FURNACE

The Wayfarer is equipped with a forced air furnace system fueled by propane (LP) gas. The furnace is controlled by the wall mounted thermostats located inside the motorhome. (Figure 33.1). These thermostats control both the heating and air conditioning for the motorhome.

In the gas heating mode the furnace heats the air which in turn is circulated through the duct work in the floor of the motorhome. If any obstruction(s) block the floor vent(s) or air return register, then the furnace will not function properly. Any items stored under the cabinets should be carefully stowed to prevent damaging or crushing the furnace ducting or from blocking the warm air return.



NOTE: When a furnace is being used for a first time, there may be an initial "burn off" of manufacturing compounds or residue that is left on the heat exchange or duct work. These can produce odors, fumes and possibly some smoke. This is normal and should not cause concern unless it persists for an excessive amount of time.

To minimize the after effects of this "burn off" process, the initial use of the furnace should be done with all of the doors and windows open to permit normal air circulation and to dissipate these odors and fumes. ***(NOTE: If the "burn off" process causes the smoke or propane (LP) alarms to set off an audible alarm, continue the venting process until the alarms reset).***

For routine operation of the furnace, set the thermostat to the desired temperature setting and then set the thermostat to gas heat. In about one minute, the furnace should begin to operate and warm or hot air should be coming through the duct work.

To shut down the furnace, turn the thermostat to the "OFF" position. Even though the thermostat may be turned "OFF", the furnace system will continue to run for about a minute or so to permit a gradual cool down of the heating system. ***(NOTE: This procedure is normal).***

On a regular basis, thoroughly clean the complete furnace and air tube passageways to remove dust, lint and any other possible obstructions. Leak test the entire propane (LP) gas system at the minimum of at east annually. Also have the air blower system checked and cleaned annually.

(NOTE: These tasks should be done by a certified qualified technician).

(NOTE: Any access hatches to the furnace are for authorized service personnel only. There are no user serviceable parts on the furnace. Accordingly, do not attempt to tamper with or alter the interior of the furnace in any way).

FURNACE CONTINUED

Before the beginning of each travel season, the furnace should be thoroughly cleaned and inspected. Any obstructions, debris or lint which may obstruct free air flow or impede the operation of the air circulation system should be removed.

For example, accumulated dust or lint could possibly obstruct the orifices for the pilot light or may accumulate on the blower blades and unbalance the operation of the blower. Additionally any debris in the duct work when heated by the furnace, could emit unpleasant odors or possibly become a fire hazard.

The furnace system should be periodically cleaned. Annually is recommended unless the motorhome is subjected to dust levels significantly greater than average. In this case more frequent cleaning is recommended. The Owner's Information Package provides recommended cleaning tips and procedures. When needed, a more thorough cleaning should be performed by a qualified service technician.



WARNING: NEVER attempt to modify the furnace. To do so may cause fire, explosion, carbon monoxide poisoning or asphyxiation. If the furnace is malfunctioning, immediately shut the unit "OFF" and contact a trained service technician as soon as possible.



WARNING: Be cautious when washing the exterior of the motorhome around the furnace vent area. Water should never be sprayed directly into the furnace vent. Should any water be forced beyond the rain baffles into the furnace vent, then the surface may rust which in turn may cause improper combustion and produce unwanted by products of combustion.



Figure 33.1
Thermostat

CKT'EQPF KQPKPI 'U UVGO

Vj g'hcevqt { 'kpuvcngf "ckt'eqpf kqpkpi "u{ uvgo "ku'f guki pgf "hqt"342"XCE"r qy gt "uwr r rkgf "htqo "vj g" gz vgtpcnr qy gt "eqtf "qt'htqo "vj g'i gpgtcvqt 0Hqt "vj g'dguv'eqqrkpi "uegpctkqu."r ctn'vj g'o qvqtj qo g" kp"cj cf { "mqecvkp"y j gpgxgt "r quukdng"cpf "emqug"qp"vj qug"y kpf qy u"gzr qugf "vq" f kt ge v'uwprki j v0

Ckt'eqpf kqppgf ."eqqngf "ckt'ku"go kwgf "vj tqwi j "vj g'o qvqtj qo gu'Sej kni tkms"xgpw" Hki wtg"54B+" y j lej "ctg'mqecvgt "kp"vj g'egpvt "qh"vj g'eqcej 0Vj g'tgwtp"ckt"xgpw"j cxg"cj hkngt"vj cv'r tgxgpw" f wuv' htqo "mqy kpi "dcem'vj tqwi j "vj g'ckt'eqpf kqpkpi "u{ uvgo 0

Vj gug'tgwtp hkngtu'ecp'gcuks { "dg'tgo qxgf "cpf "engcpgf "y kj "a warm water/mild cleaning solution. To remove the filter, simply pull the vent down and lift the filter from inside the opening (Figure 34.2).

NOTE: The air conditioning system is the major consumption device of electrical power in the motorhome. When this system is being used in an RV park, cumulative use of these air conditioning systems by the resident vehicles can create a bigger demand for electrical power than is actually available. Accordingly, at times a "brown-out" condition may arise. This is when the air conditioner voltage normally available drops to a lesser value (e.g., 10-20% or more below normal).



"Brown-out" conditions cause appliances to draw greater currents to make up for the reduced voltage, thereby causing circuit breakers to trip or fuses to blow. Under such conditions, your own motorhome is not at fault. Simply reset your breakers and/or replace your fuses. Should such conditions continue, you may wish to reduce the electrical load (In this case turn "OFF" the air conditioning system for a period of time) or start the motorhomes generator.



Figure 34.1
Roof Mount A/C with Chill Grill Vents



Figure 34.2
Chill Grill Covers Removed Exposing Vent Filters.
Remove and Clean Periodically. Let Dry Before Reinstalling

THERMOSTAT CONTROLS

Press the Up/Down buttons on the thermostat buttons to set the desired temperature for the motorhome (Figure 35.1).

For more detailed instructions, please consult the the thermostat literature in the Owner's Information Package.



Figure 35.1
Thermostat



Figure 35.2
Roof Mounted Round Air Vent with Directional Air Guides Opened

HEAT PUMP CONTROLS

To activate the heat optional pump, set the thermostat (Figure 35.1) to ELEC HEAT and select your desired temperature.

NOTE: If the temperature setting on the thermostat and the room temperature are more than five degrees apart, the gas furnace will automatically turn "ON" with the heat pump.



Once the room temperature reaches the desired level specified on thermostat setting, the furnace will cut off and the heat pump will maintain the heating of the coach.

NOTE: The heat pump is controlled by the thermostat located in the bedroom area of the motorhome. (Figure 35.1)

NOTE: If the external temperature falls to 35-38 degrees Fahrenheit, the heat pump will become inoperative and the gas furnace will begin to operate automatically.

HOW THE HEAT PUMP THERMOSTAT WORKS

The RVComfort HP, RVComfort PHP, Coleman True-Air and RVComfort .ZC thermostats by RVProducts Inc. are all capable of running not only an air conditioning unit, but also an electric heat pump. Frequently Tiffin Motorhomes receives calls from customers who do not understand the functions of the heat pump thermostat. This guide is a quick run through of the information provided in the Thermostat Operation Manual which is included with each thermostat.

The heat pump is an electric source of heat. It will supply and maintain heat assuming the outside (ambient) temperature is above 40 degrees. This number of course can be slightly higher or lower depending on the relative humidity. Higher humidity can cause the heat pump to lose efficiency at a higher ambient temperature, while lower humidity can cause heat pump to lose efficiency at a lower ambient temperature.

To avoid waking up and finding that the outside temperature has dropped below 40 degrees and the inside of the motorhome is now 50 degrees, the heat pump thermostats are programmed internally to recognize when the temperature drops five degrees or more from the set heat temperature to the actual room temperature. When the temperature exceeds five degrees or more between the two, the thermostat will default to the next available heat source.

The thermostat upon sensing a temperature split of five degrees or more in the electric heat mode will bring the gas heat on to assist the electric heat. This is the first strike. A strike is created by the thermostat having to change modes (or run dual modes to sustain a temperature split). The electric heat and gas heat will continue to run together until the thermostat reaches the set temperature and satisfies.

When the electric heat comes back on, it will be in electric heat only at this point. If the temperature again drops five degrees or more from the set point, the thermostat will again bring on gas heat to assist. This is strike two.

The system will then go through the above stated procedures. If the temperature should then drop five or more degrees for a third time, the thermostat will give up the electric heat, lock the electric heat system out for two hours (showing either DIFF on the display or FLASHING GAS HEAT on the display) and will default to GAS heat only. You WILL NOT be able to run any Electric Heat during this two hour lockout.



LP GAS SYSTEM

CHAPTER

4

LIQUID PROPANE (LP) GAS TANK

The Wayfarer is equipped with an ASME (American Society of Mechanical Engineers) approved propane gas (LP) tank which is equipped with an automatic pressure regulator. (Figure 39.1) This tank contains liquid petroleum fuel under high pressure.

A propane (LP) gas distribution system distributes the gas to those appliances using such in the motorhome. The "heart" of this propane (LP) gas distribution system is the regulator and it should only be adjusted and serviced by a qualified service technician. Most of the problems encountered in lighting the pilot lights of those appliances are caused by regulator miss adjustments.

The major component of the propane (LP) gas supply is a pipe which runs underneath the motorhome floor. The various propane (LP) gas appliances are connected by a rubber supply line.

As noted earlier in this manual, should any of the secondary tubings develop a leak, do not attempt to splice any of the lines. Instead, have a qualified service technician run a new length of tubing to the appliance of concern and have the lines leak tested before placing it in normal operation.

To remove, repair or replace any propane (LP) gas operated appliance, always close the main gas valve at the propane (LP) gas tank.

WARNING: When the motorhome is not being used, the main propane (LP) gas valve must be turned "OFF". Also turn "OFF" the main valve when the propane (LP) gas tank is to be refueled to avoid the possibility ignition fuel fumes by the pilot lights.



All gas valves on the propane (LP) gas operated appliances with Direct Spark Ignition (DSI) should also be in the "OFF" position during refueling and/or maintenance operations.

DO NOT store propane (LP) gas, diesel fuel, regular fuel, butane or other flammable liquids inside of the motorhome as these represent a very real fire hazard and a threat to life.

LP TANK FILLING PRACTICES

Any propane (LP) gas tank associated with the motorhome should never be filled to more than 80% of the total capacity. Filling should always be done only when the motorhome is leveled. If the motorhome is not level, the tank may be overfilled (i.e., more than 80% of capacity). This could subject the motorhome to possible fire or explosion from resultant uncontrolled gas flows.

LP GAS REGULATOR

As noted earlier in this owner's manual, the propane (LP) gas regulator (Figure 39.1) is the "heart" of the propane (LP) gas distribution system. This regulator reduces and controls the pressure of the gas on the outlet end to provide a constant supply of gas at a constant pressure to the gas operated appliances.

The regulator has a vent to relieve excess pressure on the inlet side of the regulator. Should excess pressure develop in the gas tank and connecting gas line to the regulator inlet. The vent would normally release the excess propane (LP) gas to the atmosphere until the over pressurization condition is eliminated.

The vent should be regularly checked to assure that it is not clogged or obstructed. ***(This should be done by a qualified service technician).*** If the vent is blocked from normal operation, component or system failure may occur.

If a periodic visual inspection indicates any sign of corrosion or degradation, immediately contact a qualified service technician for repairs on the regulator and to inspect the rest of the propane (LP) gas system. ***DO NOT operate the propane (LP) gas system with any faulty component in place.***



WARNING: If a propane (LP) gas leak is detected or suspected, turn "OFF" the main propane gas (LP) valve and keep the propane (LP) gas system "OFF" until the system is inspected by a qualified service technician. Do not delay in addressing any possible propane (LP) gas leaks with appropriate service because of the inherent hazards to safety.



Figure 39.1
LP Propane Gas Tank



Figure 39.2
LP Propane Gas Regulator

LP QUICK CONNECT

When assembling your propane (LP) gas quick connect line, rotate the shut off valve lever to the open position. (Red Arrow Figure 40.1) The lever should be in-line with the quick connect hose.

Next, pull back on the quick connect inlet lock, (Blue Arrow in Figure 40.1). After inserting, rotate shut the lever back into the locked position. After inserting the quick connect, release the quick connect lock and make sure of a tight connection.

When the propane (LP) quick connect is not is use, to ensure you don't have any leaks rotate the level valve into the closed position (Figure 40.2), the lever should be horizontal to the quick connect line.

WARNING: When a propane (LP) gas regulator is installed or re-installed, the regulator must always be installed with the gas diaphragm vent facing downwards. For more information, consult the manufacturer's literature in your Owner's Information Package that came with your motorhome.



Always keep the main valve to the propane (LP) gas tank closed when the system is not in use. When the propane (LP) gas tank is empty, keep the main valve closed until re-filling is to be performed; this process will keep any moisture laden air from back flowing into the propane (LP) gas system and trapping unwanted moisture in the propane (LP) gas tank.

If an empty propane (LP) gas tank has been exposed to the atmosphere for an extended period of time, let a qualified service technician purge the tank before the next time it is to be filled.



Figure 40.1
Propane Quick Connect With Valve Lock in Open
Position



Figure 40.2
Propane Quick Connect With Valve Lock in Closed
Position



MAJOR APPLIANCES

CHAPTER

5

APPLIANCES & ACCESSORIES

LP GAS/12V/120 VAC REFRIGERATOR

Your coach is equipped with a standard Propane/Gas/120V (LP) refrigerator (Figure 42.1). When the refrigerator is in the propane (LP) gas mode, make sure that the main propane (LP) gas valve is in the "ON" position before attempting to start the refrigerator.

Please note that the refrigerator is equipped with a semi automatic energy selector control system (AES), which can be set automatically to switch between a 120V AC system or propane (LP) gas operated system when available.

A 12V power supply (e.g., 12 VDC system of the motorhome, auxiliary battery, converter or motorhome engine battery) is required for proper operation of the electronic control panel (Figure 42.2).

For 120 VAC electrical operation of the refrigerator, either the 30AMP shore power line must be connected, the on board generator must be running or the refrigerator is connected to the inverter system to provide the necessary 120V AC power.

To operate the refrigerator in the propane (LP) gas mode, the main propane (LP) gas valve must be "OPEN". ***This mode of operation is only available on the 12V/propane (LP) optional refrigerator.***

For specific instructions on your motorhomes refrigerator, please refer to the operating booklet found in the Owner's Information Package.



NOTE: Running the refrigerator on inverter power for prolonged periods of time will drain the motorhomes batteries.



Figure 42.1
Motorhome Refrigerator



Figure 42.2
Motorhome Refrigerator Control Panel Featured

CONVECTION MICROWAVE OVEN

Your Wayfarer motorhome contains a convection microwave oven (Figure 43.1 and 43.2). All microwave ovens operate on 120V AC electrical power supplied either by the 30AMP external hookup or by the on-board electrical generator in the motorhome.

Touch pad control is used for operating the convection microwave oven (i.e., cooking temperature, oven mode, power level and cooking time).

For basic operating instructions, care and maintenance of the convection microwave oven, please consult the specific manufacturers appliance manual in the Owner's Information Package.

CAUTION: The majority of (LP) propane gas appliances used in the motorhome normally vent to the outside of the motorhome.



When your motorhome is parked in close proximity to a fuel pump (i.e., during re-fueling operations) it is possible that the diesel fumes could enter this type of appliance and possibly be ignited by the burner flame thereby causing a fire or explosion.

Accordingly, please use extreme caution when re-fueling the motorhome



Figure 43.1
Convection Microwave Oven



Figure 43.2
Convection Microwave Oven Showing Factory
Included Items

LP PROPANE COOKTOP

Your Wayfarer motorhome is equipped with a standard recessed two burner propane (LP) gas range (Figure 44.1).

Do not attempt to adjust the cook tops pilot light as it has been factory adjusted and factory set. To extinguish the cook top pilot light when use of the cook top is concluded, push inward on the cook top control knob and turn the knob clockwise to the "OFF" position (Figure 44.2).

To operate either of the two burner recessed cook top burners, light the burners by turning "ON" the gas control knob, wait a couple of seconds and then push the DSI (Direct Spark Ignition) button until a flame appears (Blue Arrow Figure 44.3).

If the burner does not start after a few attempts, discontinue the process and let the released gas dissipate and then try the process again. The burner knobs operate in a counter clockwise manner and must be gently pushed inwards as they are being turned. ***Never use the cook top when the motorhome is in motion.***

It is wise to have a qualified service technician periodically check the entire propane (LP) gas distribution system in your Wayfarer motorhome. Scheduling such an inspection annually would be a recommended, preventive maintenance routine for every motorhome owner.



Figure 44.1
2-Burner Propane Cooktop Stove



Figure 44.2
2-Burner Propane Cooktop Stove with Glass Cover
Raised



Figure 44.3
Push In and Turn Burner Knobs Clockwise and Hit
Ignitor Button to Light. Turn Burner Knobs Counter
Clockwise to Turn Off

LP PROPANE COOKTOP CONTINUED



DANGER: All propane (LP) gas operated appliances in the motorhome will consume oxygen. If the motorhome is totally closed during such operation, the oxygen level may be reduced and the associated carbon monoxide level may be increased.

The possibility exists that the increased enhanced carbon monoxide may thereby cause possible harm or death to the motorhome occupants through asphyxiation. *Always use these appliances with proper ventilation.*



WARNING: Portable fuel burning equipment including wood and charcoal grills/stoves, should "NEVER" be used inside the motorhome.

The use of this equipment inside the motorhome can cause fire or asphyxiation which could result in serious injury or death.



WARNING: DO NOT USE cooking appliances as a heating source for the motorhome. Cooking appliances require fresh air for safe operation. Before using any cooking appliance, make sure that an overhead vent or window is open and/or turn "ON" an exhaust fan.

WATER HEATER

Before the water heater is to be used, fill the fresh water system and purge the water lines to and from the water heater by opening all of the hot water faucets in the motorhome. Do so until water steadily flows from each faucet with no "spurting" or "hissing" sounds are heard.

The water heater uses either propane (LP) gas or 110V AC electric to operate the heater. Proper and safe operation of the water heater requires that all safety information provided in the manufacturer's owner's manual be read and understood before placing the water heater into service. Take the necessary time to become familiar with this manual which is provided in the Owner's Information Package.

PROPANE (LP) GAS - ELECTRONIC IGNITION OPERATION

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Cpqther very useful resource is Truma's You Tube Page located at https://www.youtube.com/channel/UcKTWsllectlhZVb7_UUNQEQ/videos.

Here you can find videos to assist with error codes, normal daily operation, winterization and much more.

120V AC ELECTRICAL OPERATION

To operate your Truma Combi system with 1120V AC electrical, please refer to the Truma Owner's Manual provided in the Owner's Information Packet for model specific instructions.

You can also visit <https://www.truma.net/support-and-resources/manuals> for operating instructions, safety information and more.

You can also visit <https://www.truma.net/blog-videos/video-gallery> for feature benefits, instructional and other Truma Combi videos.

Another very useful resource is Truma's You Tube Page located at https://www.youtube.com/channel/UcKTWsllectlhZVb7_UUNQEQ/videos.

Here you can find videos to assist with error codes, normal daily operation, winterization and much more.

WATER HEATER CONTINUED



WARNING: DO NOT STORE any combustible or flammable substances near or adjacent to the water heater. Provide adequate space for ventilation and air circulation.



Figure 47.1
Water Heater



Figure 47.2
Truma Water Heater Control Switch on Master
Panel Located in Bedroom of Coach

WATER HEATER STORAGE

For extended an extended storage period for your Truma Combi system, please refer to the Truma Owner's Manual provided in the Owner's Information Packet for model specific instructions.

You can also visit <https://www.truma.net/support-and-resources/manuals> for operating instructions, safety information and more.

You can also visit <https://www.truma.net/blog-videos/video-gallery> for feature benefits, instructional and other Truma Combi videos.

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Here you can find videos to assist with error codes, normal daily operation, winterization and much more.

WATER HEATER CONTINUED

WATER HEATER STORAGE CONTINUED

Items related to the prolonged period of storage or water heater winterization may include the following items:



Figure 48.1
Water Heater



Figure 48.2
Propane System



Figure 48.3
Water Pump

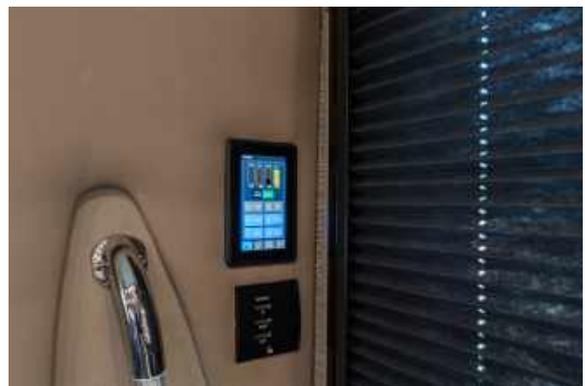


Figure 48.4
Water Pump Switch on Main Panel Inside Coach

NOTE: WHEN WINTERIZING YOUR COACH, REMOVE THE WATER FILTER.

(PLEASE REFER TO MANUFACTURER'S OWNERS MANUAL FOR LOCATION AND PROPER REMOVAL TECHNIQUE).

IF UNSURE HOW TO REMOVE FILTER, CONTACT A QUALIFIED SERVICE TECHNICIAN TO COMPLETE THIS PROCEDURE.

WATER HEATER CONTINUED

PRESSURE REGULATION

For information on pressure regulation for your Truma Combi system, please refer to the Truma Owner's Manual provided in the Owner's Information Packet for model specific instructions.

You can also visit <https://www.truma.net/support-and-resources/manuals> for operating instructions, safety information and more.

You can also visit <https://www.truma.net/blog-videos/video-gallery> for feature benefits, instructional and other Truma Combi videos.

Another very useful resource is Truma's You Tube Page located at https://www.youtube.com/channel/UckTWsIeectIhZVb7_UUNQEQ/videos.

Here you can find videos to assist with error codes, normal daily operation, winterization and much more.



Figure 49.1
Water Heater



Figure 49.2
Water Heater Diagram and Information Sheet

TRUMA AQUAGO PROPANE GAS INSTANT WATER HEATER



MODEL:

- **Truma AquaGo Basic (DLE60B)*** ***Patent Pending**
- **Truma AquaGo Comfort (DLE60C)***
- **Truma AquaGo Comfort Plus (DLE60CP)***

PLEASE REFER TO YOUR TRUMA WATER HEATER OWNER'S MANUAL FOR THE MODEL PICTURES

Instant, constant, endless the Truma AquaGo Instant water heater supplies hot water reliably around the clock for showering, rinsing and hand washing in recreational vehicles. AquaGo instant water heaters are the most powerful appliances on the market, yet it is characterized by its compact dimensions, straightforward operating procedures like at home, maintenance friendly internal components and numerous safety features.

Truma hybrid technology keeps the temperature constant - no scalding.

Exclusive decalcification technology - extends life and maintains performance.

Simply open "Easy Drain Lever" - winterization done.

TRUMA AQUAGO PROPANE GAS INSTANT WATER HEATER CONTINUED



WARNING: IF THE INFORMATION AND INSTRUCTIONS FOUND IN THE TRUMA OWNER'S MANUAL ARE NOT FOLLOWED EXACTLY, A FIRE OR EXPLOSION MAY RESULT CAUSING PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.

NOTE: Read and follow the "Consumer Safety Information" before operating the appliance.



For product and how to videos visit <https://www.truma.net/water-systems/truma-aquago-comfort-plus>

For digital manuals and manuals in Spanish and French visit <https://www.truma.net/support-and-resources/manuals>



ENTERTAINMENT

CHAPTER

6

TELEVISION SETS

The televisions in your Wayfarer motorhome are digital HDTV. The televisions (Figure 53.1 and 53.2 and 54.1) are powered by 120VAC electricity. therefore the motorhome must be plugged into the 30AMP shore power cord or have the motorhomes generator running.

The entertainment system is also connected to the inverter which would permit the 12VDC power to be converted into 120VAC for the televisions.

Standard cable/satellite hookup is located on the drivers side rear compartment on the water systems control board (Figure 54.2), this allows for hook up to cable television provided by campgrounds/other motorhome stop locations or for a mobile satellite hookup.

Please note that your Wayfarer motorhome is pre-wired for a permanent roof mount satellite system installation. Please consult an authorized Tiffin Motorhomes dealership or contact Tiffin Motorhomes in Winfield, Alabama to provide a roof satellite wiring diagram prior to any cutting or drilling into the roof. Failure to do so may result in your motorhome warranty being voided for this area of the motorhome.

All televisions will need to be reprogrammed each time the motorhome is moved to a different city or location from the previous area. This will allow the televisions to pick up the closest over the air digital television channels. Please refer to the manufacturer's product manual for specific instructions on programming the televisions for over the air reception. These manuals are located in your Owner's Information Package.



NOTE: Running the televisions on inverter power for prolonged periods of time will drain the motorhome batteries.



Figure 53.1
Wayfarer Living Room Area TV



Figure 53.2
Wayfarer Bedroom Area TV

TELEVISION SETS CONTINUED



Figure 54.1
Wayfarer Exterior Entertainment TV



Figure 54.2
Wayfarer Exterior Satellite/Cable Input. Located in
Driver's Side Rear Most Exterior Compartment.

DVD/BLU-RAY PLAYER

The DVD player is built into the Jensen House Radio or your motorhome is equipped with a stand alone BLU-RAY player located in the living room or bedroom area of the motorhome (Figure 54.3 and Figure 54.4).

Detailed operation for the Jensen House Radio is provided in the accompanying owner's manual found in the Owner's Information Package included with your motorhome.

To view a BLU-RAY or DVD disc on the television of your choice in the motorhome, insert the disc into the BLU-RAY player.

On the television you wish to view the disc, switch the input to HDMI 1. Please note that you can watch the disc on multiple televisions at the same time as long as each television being viewed is set to HDMI 1.



Figure 54.3
Jensen DVD Multimedia Player



Figure 54.4
BLU-RAY Located in Bedroom Area of the
Motorhome

HOUSE RADIO

Your motorhome comes equipped with a house radio system separate from the radio in your motorhome cab (Figure 55.1).

The house radio will play through the speakers in your motorhomes awning and if equipped will play through your motorhomes sound bar system.

To operate the radio through your awning speakers, turn on the power button and select your channel with the double arrow seek buttons.



Figure 55.1
House Radio

If equipped, your house radio will operate through the sound bar located towards the rear of the coach. To get the radio to play through the sound bar, use the sound bar remote and choose the "Port In" button to link the radio to the sound bar. Use the volume buttons on the sound bar remote to control the volume being played by the radio.

SOUND BAR

If equipped, your motorhome will come with a soundbar that is mounted over the television towards the rear of the motorhome (Figure 55.2).

The sound bar is capable of playing music from the house radio, playing sound from the television while watching over the air channels, in-motion satellite (if equipped) and the motorhomes blue-ray player.



Figure 55.2
Sound Bar Located Over Television in 25RW

The sound bar also has the capability of playing music from your smart devices via blue-tooth. To pair your smart device to the sound bar, press the blue-tooth button on the sound bar remote and look at the devices on your smart device.

When you see the device LG-SK1, connect to it and you will be able to play music from your smart device that you connected to the sound bar.

SOUND BAR CONTINUED

The sound bar remote control (Figure 56.1) should be used at all times to control the volume when using the house radio, watching the television or if hooked up via blue-tooth to a smart device.

For further information, please refer to the manufacturers literature that is provided in your Owner's Information Package.

How to operate the sound bar in the Wayfarer:

To active sound bar for TV:

1. Power "ON" the bedroom TV.
2. Set the television volume to "0".
3. Power "ON" the sound bar.
4. Press the "OPTICAL" button located on the sound bar remote control.
5. Turn the volume up or down using the volume control on the sound bar remote.

To activate the sound bar for the house radio:

1. Power "ON" the house radio.
2. Select a radio station.
3. Power "ON" the sound bar.
4. Press the "PORT IN" button located on the sound bar remote.
5. Turn the volume up or down using the volume control on the sound bar remote.

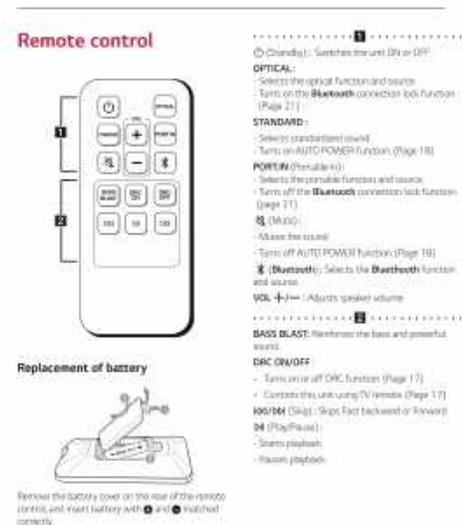


Figure 56.1
Sound Bar Remote Control Overview



CABINETS & FURNITURE

CHAPTER

7

CABINETS

Your Wayfarer contains cabinetry installed throughout the entire motorhome from the driver's area through the kitchen/dining areas and back into the bedroom (Figure 58.1).

The cabinetry has been designed and built to provide ample storage space, to be easily accessible and to be conveniently located to support the areas of concern.

Construction of these cabinets incorporates various hardwoods, raised panels, cabinet doors and supports. Door pulls, handles and knobs are installed in a style complementing the particular decor of each Wayfarer (Figure 58.2). This provides an aesthetically pleasing look and feel as well as fully functional storage capacity.

With the many floor-plans available in the Wayfarer product line, cabinet design has been optimized to provide maximum for each floor-plan available (Figure 58.3). Accordingly, the Wayfarer can readily accommodate the routine materials, supplies, and customer specific items desired for any travel requirement.

These cabinets are designed to contain stored supplies quite securely during travel to minimize or eliminate the possibility of shifting or spilling of cabinet contents during travel. When the motorhome is parked, all of the stored items are readily available in the cabinets and drawers for the convenience of the users.

Note - Prior to travel, make sure all cabinetry, drawers, appliance doors are secured and properly closed and/or latched (Figure 56.4). Also make sure any loose items have been removed from the counter top area to prevent these items from becoming projectiles when the motorhome is in motion.



Figure 58.1
Kitchen to Rear Cabinetry View



Figure 58.2
Rear Bedroom Cabinetry



Figure 58.3
Kitchen Cabinetry with Drawers Opened

CABINETS CONTINUED

As the storage requirements will vary somewhat from one floor-plan to another, general observations can be made about the Tiffin supplied cabinetry which may or may not be applicable for your specific Wayfarer configuration.

Cabinets are provided in the kitchen/dining area to accommodate the routine cooking utensils and groceries normally desired for travel. Storage space within these cabinets has been designed to accommodate the typical sizes and configurations of food supplies (e.g., cereal boxes, condiments, canned goods and bottled liquids) normally taken on trips.

Based on Tiffin Motorhomes' extensive experience with travel requirements of the seasoned motorhome user as well as Tiffin Motorhomes' own research and development in cabinet design, the cabinets offer the greatest storage capacity possible. In the bathroom and bedroom, additional cabinets are available for storage of sundries and toiletries specific to these areas (Figure 59.1 and 59.2)



Figure 59.1
Bathroom Cabinetry



Figure 59.2
Depending on Model, Additional Rear Storage
In-Floor



Figure 59.3
Depending on Model, Table Tops and Leg May Be
Stored Under Rear Cushions in Bedroom Area.
Access to Pass Through Storage May Also Be
Available.



Figure 59.4
Depending on Model, Table Leg(s) and Top(s) May
Be Stored Under Sitting Cushions as Noted with Red
Arrows. Note: These Areas Also Provide For
Additional Storage.

COUNTER-TOP & KITCHEN CABINETS

In the kitchen, a color coordinated counter-top is provided on top of the floor mounted cabinets. The counter-top is made of **solid surface**. To maintain the appearance of the counter-top clean with a damp cloth.

If spotting occurs, clean the counter-top with a damp cloth moistened with a mild cleaner or mild liquid soap. Should some dried on residue still be present, wet a damp cloth moistened with liquid cleaner and let stand directly on the spot for 15-30 minutes. After which, loosen the residue and then clean the spot accordingly.



Figure 60.1
Kitchen Countertop. Need Extra Working Area in Your Kitchen, Leave One Section of Your Sink Countertop Section In Place.



NOTE: Please note that strong chemicals, solvents and industrial cleaners (e.g., oven cleaner) may damage the counter-top surface. Do not use any products not specifically designed for counter-top cleaning.

The counter-top, (Figure 60.1) can be physically damaged as well if proper care is not taken. Do not cut anything (e.g., vegetables, fruits, etc.) directly on the counter-top. Rather use a cutting board or other similar kitchen accessory to provide necessary protection.

Excessive heat may also damage the counter-top, therefore any pots, pans or dinnerware taken directly from the cook top or convection microwave oven should not be placed directly on the counter-top. Rather, use trivets or some other form of fireproof heat insulators to hold very hot pots, pans or dishes over the counter-top.



Figure 60.2
Kitchen Countertop. Need Extra Working Area, Utilize the Expandable Countertop Area. Depending on Model It May Be A Pull Out or Lift Up Section.

All drawers are equipped with metal glides to provide additional load bearing strength for the drawers and to allow for effortless opening and closing of those drawers, even when fully loaded (Figure 61.1). These metal glides have a slight locking action when closed. To open the drawers, slightly pull on the drawer handle with an even amount of force.

To close the drawer, push the drawer closed until it the drawer glides start moving on their own (i.e., the locking action is completed).

COUNTER-TOP & KITCHEN CABINERY CONTINUED

As the kitchen cabinetry and other cabinetry throughout your Wayfarer motorhome is typically of furniture grade quality, any commercial furniture polish or cleaner can be used. Do not try to soak these wooden surfaces with any water or any other liquid. Be sure to wipe up spills or residues of any fluids that contact these surfaces to preclude any staining or discoloration of the cabinet surfaces.



Figure 61.1

Kitchen Drawers Opened Showing Drawer Glides

KITCHEN, LIVING & DINING AREAS

SOFA BOOTH FLOOR-PLAN

On the sofa booth Wayfarer floor-plan, a built in dinette booth (Figure 61.2) or sofa are available. Both provide additional storage under the seat(s) (Figure 62.3), in addition to providing additional sleeping facilities.

Dinette to sleeping configuration instructions:

- Remove seat back cushions.
- Slide seat bottoms back.
- Pull the lever underneath the table to release the table and push downward (Figure 61.3).
- Reinstall the seat back cushions to make up the mattress for the bed (Figure 62.1).
- Bed size when configured is 42.5"x68.5".



Figure 61.2

Dinette Booth with Room for 4 Adults



Figure 61.3

Pull On Lever Under Table To Release

KITCHEN, LIVING & DINING AREAS CONTINUED

SOFA BOOTH FLOOR-PLAN CONTINUED



Figure 62.1
Dinette Area with Bed Made Up



Figure 62.2
Dinette Booth. Lift Up Bottom Seat Bases to Reveal
Storage Area and Seat Belts

TRI-FOLD SOFA FLOOR-PLAN

If the bed room area contains a tri-fold sofa (Figure 62.3), this sofa converts into a bed. The sofa is coordinated with the decor of the motorhome.

To convert the sofa into a bed follow these instructions:

- Remove the accent pillows (Figure 62.4).
- Push the release button on the outside of the rear most arm rest.
- Support legs are located in the tri-fold section, be sure to lower the legs and secure support (Figure 63.1).
- Lay down metal support extension (Figure 63.1).
- Unfold mattress to complete 69"x43" or 69"x63" size bed (Figure 63.2).



Figure 62.3
Dinette Booth with Tri-Fold Sofa Bed to the Rear

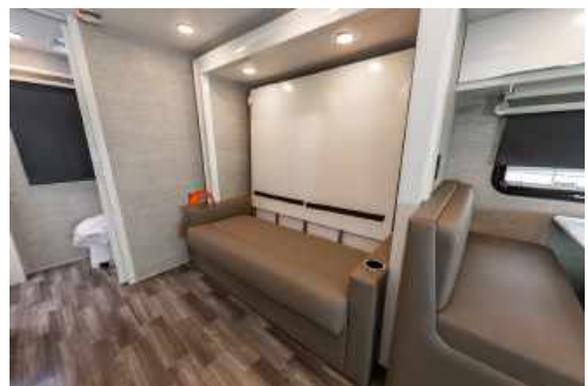


Figure 62.4
Remove Rear Sofa Cushions and Press The Bed
Release Button Located Outside Rear Most Arm
Rest to Lower Bed Frame and Mattress
(Release Button Location Noted with Red Arrow)

KITCHEN, LIVING & DINING AREAS CONTINUED

TRI-FOLD SOFA FLOOR-PLAN CONTINUED



Figure 63.1

As The Bed Frame Is Laid Down, Lower and Secure Legs on Both Sides and Then Extend Frame Section as Noted with Red Arrows



Figure 63.2

Lay Dow Mattress to Complete Makeup Of Tri-Fold Sofa 69"x43" or 69"x63" Bed

POWER TRI-FOLD SOFA FLOOR-PLAN

If your motorhome is equipped with a power tri-fold sofa, the steps used to setup the standard tri-fold sofa should still be followed.

Use the tri-fold sofa power button (Figure 63.3) to raise and lower the tri-fold sofa either fully down for sleeping or retracted where the sofa can be utilized.

NOTE: When using the power button to raise and lower the tri-fold sofa, do not continue to press on the button when the sofa has reached it's final resting position. Doing so will cause excessive wear on the sofa motor and could lead to failure.

If you hear a continual motor whining sound when bed platform fully down or up, you are holding the button too long and this can cause damage to the bedding system.



Figure 63.3

Power Tri-Fold Sofa Power Button



Figure 63.4

Power Tri-Fold Sofa Partially Opened with Legs in Down Position.

KITCHEN, LIVING & DINING AREAS CONTINUED

POWER TRI-FOLD SOFA FLOOR-PLAN CONTINUED

When going to lower or raise the power tri-fold sofa platform and you find there is no power to the motor, the fuse that controls the system may have blown.

Open the breaker/fuse box directly across from the bed and check the fuse furthest to the right (Figure 64.1). Pull the fuse to see if it has blown and replace if necessary.

If fuse is not blown, contact an authorized service facility for repairs.



Image 64.1
Fuse That Controls the Power to the Tri-Fold Sofa Power System

CHASSIS DRIVER & PASSENGER SEATS

The drivers and passengers chassis seats are manually operated and have swivel features. When the motorhome is parked, the seats can be swiveled to face into the living room.

To swivel the drivers seat:

- Extend the slide out room, Ignition On and Parking Brake Engaged (Figure 64.3 and 64.4)
- Release the steering wheel lock and push the steering wheel all the way in, re-engage the steering wheel lock when completed
- Use the electric seat controllers on the drivers and passengers door to move the seats forward as to clear the doors and steering wheel area when rotating (Figure 65.1)
- Engage the the seat swivel knobs for each seat and push them outwards towards the doors to release the seats (Figure 65.2)
- Make sure that the chassis' parking brake is lowered prior to rotating the drivers seat
- Swivel the seats to face the living room area (Figure 65.3)



Figure 64.3
Slide-Out Control on Master Panel



Figure 64.4
Slide-Out Room Extended

CHASSIS DRIVER & PASSENGER SEATS CONTINUED



Figure 65.1
Mercedes Benz Power Seat Controls



Figure 65.2
To Rotate Seats, Push Release Lever Towards Door
and Start Rotating the Seat Inwards



Figure 65.3
Front Seats Rotated with Dining Table Setup

OVERCABIN BUNK BED

Your Wayfarer motorhome comes standard with an over the cabin bunk bed. To complete the setup of the bunk bed, perform the following steps:

- If stored, remove the ladder from the bunk bed area (Figure 66.1)
- Grabbing the 2 metal handles, pull the bunk bed mattress and base towards the rear of the coach (Figure 66.2)
- Allow the base and mattress to fall into the designed area (Figure 66.3)
- Place the portable ladder with the top clips into the metal handles (Figure 66.4)
- **The over cabin 58.5"x44.5" double bed are weight rated for 500 pounds**
- When not in use, remove the portable ladder from the over cabin bunk bed and store either above towards the rear of the over cabin bunk bed or in the rear of the motorhome in the bedroom area

OVERCABIN BUNK BED CONTINUED



Figure 66.1
Over Cabin Bunk Bed with Mattress Pushed Back



Figure 66.2
To Create Over Cabin Bunk Bed Pull the 2 Metal Handles Towards the Rear of the Motorhome



Figure 66.3
Over Cabin Bunk Bed with Mattress In Place



Figure 66.4
To Access Over Cabin Bunk Bed,
Use Portable Ladder
***Note Bunk Bed is Rated for 500 Pounds
Maximum**

BEDROOM AREA

Treatment of the bedding areas with any of the stain resistant sprays (e.g., Scotch Guard) will also make the cushions more resistant to the possibilities of stains and fabric damage, thus providing many years of dependable service.

REAR TWIN BED SETUP

- The permanent rear twin bed setup contains 1 bottom and one side cushion (Figure 67.1).
- Remove the side cushions to allow for a permanent 76"x32" rear twin bed.
- Depending on model, storage and a hanging wardrobe will be located under the drivers side permanent rear twin bed setup, remove bottom cushion and lift up storage lid to access (Figure 67.2).
- Depending on model, extra table top and table legs may be stored under passenger side bed area bottom cushion, remove cushion to reveal storage area (Figure 64.4).
- Replace side cushions when rear bed is not in use.



Figure 67.1
Rear Dual 76"x32" Twin Bed Setup



Figure 67.2
Depending on Model Remove Drivers Side Cushion to Reveal Hanging Storage and Table Top Storage



Figure 67.3
Depending on Model Remove Table Top and Seating Cushions to Utilize Hanging Wardrobe and Bulk Storage



Figure 67.4
Depending on Model Remove Passenger Side Bed Cushion to Reveal Extra Storage or Table Top and Table Leg Storage

BEDROOM AREA CONTINUED

REAR KING BED SETUP

- Depending on model, to convert the rear 76"x32" twin bed configuration to a 86"x76" king bed configuration pull the bed support between the two cushions from its stored position and pull towards the front of the motorhome (Figure 68.1 and 68.2).
- Bed support will run from rear of cushions all the way to the front of the cushions (Figure 68.3).
- Slide bottom cushions together and fill in the outside with the side cushions (Figure 68.4).
- Restore the bed to it's original position when traveling long distances, this will prevent damage to the center support.



Figure 68.1
Twin Bed Configuration



Figure 68.2
To Convert To King Bed, Pull the Center Support From Its Stored Position and Pull Towards Front of Motorhome



Figure 68.3
Center Bed Support Fully Extended



Figure 68.4
Slide Bottom Cushions Towards the Middle and Fill In with Back Rest Cushions to Make Up Your 86"x76" King Size Bed



STRUCTURAL FEATURES

CHAPTER

8

CHASSIS FEATURES

The chassis of your Tiffin Motorhome Wayfarer was built by and is warrantied by Mercedes Benz USA Motors. The operating instructions for that chassis are included in the Chassis Owner's Manual which is provided with your Wayfarer and is part of the Owner's Information Package furnished to you by your Tiffin Motorhomes dealership.

Before you begin using your Wayfarer Motorhome, please read and follow all recommendations for the proper care, operation and maintenance of the chassis. This will assure you of pleasant, trouble free use of your motorhome.

Should you have any questions about the chassis, you should contact your chassis manufacturer as noted in the literature described earlier.



Figure 70.1
Mercedes Benz Sprinter Drivers Cockpit



ELECTRICAL FEATURES

CHAPTER

9

ELECTRICAL FEATURES

GENERAL INFORMATION

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

The electrical power for the 12V VDC system is supplied by the house batteries of the Wayfarer. Those batteries are charged by a power converter. The engine also charges the house batteries when the engine is running. **(NOTE: The house batteries switch does not have to be on while the engine is running to receive a charge from the alternator).**

The electrical power for the 120V VAC is supplied by the 30AMP shore power cord (Figure 72.2) when the Wayfarer is connected to an external power source or when the on-board electrical generator is in operation.

The inverter can also supply 120V VAC electrical power (to limited outlets and limited appliances). The items on board the Wayfarer that are powered by the inverter are limited to Televisions and the Refrigerator.

The inverter transforms the 12V VDC electrical power from the house batteries into 120V VAC electrical power needed for the basic appliances.



Figure 72.1
Sample 30AMP RV Power Cord
***NOTE- Your Wayfarer Comes With A 30AMP Permanently Connected Power Cord.**



CAUTION: Failure to turn off all of the 120V VAC appliances when starting the or stopping the on board electrical generator may damage the transfer switch and/or electrical appliances.

To connect the Wayfarer to an external source of 120V VAC electrical power, it is first recommended that the main 30AMP circuit breaker be placed in the "OFF" position (Figure 73.2). This is done to prevent any power surge upon connecting the motorhome to the external power source.

Unwind the power cord from the electrical compartment located in the in an external compartment (Figure 72.2).



Figure 72.2
Wayfarer 30AMP Power Cord in Exterior Compartment

ELECTRICAL FEATURES CONTINUED

GENERAL INFORMATION CONTINUED

The standard, flexible power cord supplied with the Wayfarer is designed to handle 30AMPS (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).

If there is a circuit breaker switch at the "plug" end of the power cord (Next to the receptacle), that breaker should be turned "OFF" before making the connection (Figure 70.1). 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 keep them dry.

Closing the compartment door also protects your electrical system from being tampered with while away from your motorhome. Close the cover on the power box, if so equipped, to avoid any unintentional disconnection and to keep the contents clean and dry.

Next, switch the main breaker inside your motorhome to the "ON" position so that the appliances and outlets in your coach receive the 120V VAC electricity needed for use (Figure 73.2).



NOTE: Do not attempt to use any electrical adapters to convert the provided 30AMP power cord, as this will damage electrical components inside of the motorhome.



Figure 73.1
30AMP RV Hook Up Box with Breaker in Off
Position



Figure 73.2
Wayfarer Breaker Box Located with 30AMP Main
Breaker Highlighted by Blue Arrow

ELECTRICAL FEATURES CONTINUED

ELECTRICAL FEATURES

When properly connected, the 120VAC system provides power to all of the 120VAC circuits and outlets when the main breaker is turned on.

ELECTRICAL CAUTIONS:

- Careless handling of electrical components can be fatal. Do not touch or use electrical components or appliances while feet are bare, while hands are wet or while standing in water or on wet ground.
- Do not plug an extension cord to the 30AMP utility power cord.
- Avoid overloading circuits and replace fuses or circuit breakers with those of the same size and/or amperage only. DO NOT use a higher rated fuse or breaker.
- Do not plug the 30AMP utility power cord into an outlet that is not grounded.
- Do not adapt the plug on the 30AMP utility power cord into an outlet that it is not designed for.
- Be sure that electrical appliances used inside the motorhome contain a three prong plug for proper grounding.
- Use caution when handling or working near electrical storage batteries.
- Always remove jewelry and wear protective clothing and eyewear when working on an electrical matter.



ELECTRICAL FEATURES CONTINUED

CIRCUIT BREAKER BOX

For the Wayfarer motorhome, the 120VAC and 12VDC breaker boxes are located in the bedroom (Figure 75.1).

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

Please consult an authorized Tiffin Motorhomes Dealership or Tiffin Motorhomes incorporated in Winfield, Alabama to determine whether any changes you desire are appropriate and acceptable.

Tiffin Motorhomes' 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 achieve these enhancements if at all possible.

Please note that the 12VDC fuses and breakers are located in a separate compartment adjoining the 120VAC breakers (Figure 75.2).

Fusing is provided for the following 12VDC CIRCUITS; Refrigerator power, radio power, HD antenna/satellite booster power and thermostat power.

When the ignition is on, the chassis batteries and the house batteries will automatically merge to charge batteries when the motorhome is in operation.

NO SWITCH IS NEEDED



Figure 75.1
Wayfarer 120VAC Breaker and Fuses Located in Bedroom Area of Motorhome



Figure 75.2
Wayfarer 12VDC Box Located Next to 12VAC Circuit Breaker Box in Bedroom Area of Motorhome

ELECTRICAL FEATURES CONTINUED

BATTERY DISTRIBUTION CENTER

Your Wayfarer motorhome is equipped with a 12VDC battery distribution center located in the motorhomes battery compartment (Figure 76.3).

The center has a 200AMP main coach disconnect/breaker which will turn off all 12V battery power to the motorhome. There is also a 250AMP and 60AMP fuse which distributes the 12VDC power to components within the motorhome.

When the 200AMP 12VDC main circuit breaker is shut down or electrically tripped, it must be manually reset. This breaker protects the slide outs, the AC ignition, the electric step, the 30AMP ignition system and the 12VDC disconnect system. As needed, manually reset the circuit breaker or breakers.

Be careful when working around these connections as an accidental electrical short to ground (i.e., momentarily connecting the "positive" or "hot" terminal to any part of the chassis) can be hazardous and harmful.

To access the battery distribution center, open the access panel on the steps (Figure 76.2). When access to the batteries are no longer needed close and securely fasten the access cover to place the steps back into service (Figure 76.1).



Figure 76.1
Coach Battery Compartment Locked

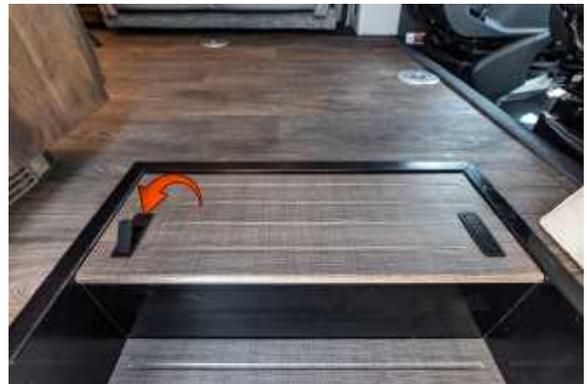


Figure 76.2
Coach Battery Compartment, to Unlock Press On the Rear Most Tab to Release the Locking Mechanism



Figure 76.3
Battery Compartment Unlocked to Access Battery Distribution Center

ELECTRICAL FEATURES CONTINUED

BATTERY INSPECTION AND CARE

The motorhome batteries which constitute the 12VDC system are located inside the motorhome entrance step well (Figure 77.1).

To access these batteries, open the access panel on the steps (Figure 77.2). When access to the batteries is no longer needed, close and securely fasten the access cover to place these steps back into service.

When batteries are not used for an extended period of time, they will gradually lose their optimal electrical charge. Therefore it is necessary to periodically recharge the batteries to increase the overall life of the batteries. It is also necessary to check the external condition of the batteries on a regular basis.

Look for cracks in the battery case and cover. Check the vent plugs and replace them if they are cracked or broke. Keep the batteries clean. If any accumulation of dirt or acid residue around the battery terminals may provide an electrical path for battery discharge. The areas around the terminals should be cleaned periodically.

One can use an old toothbrush and a sparse amount of of diluted solution of baking soda (sodium bicarbonate) and water (distilled,or deionized is preferred; tap water is acceptable) to clean and neutralize any acidic build up around the battery terminals. If there is any foaming on the top of the battery, this indicates that acidic residues are being neutralized. Rinse the cleaned areas thoroughly with distilled or de-ionized water (tap water is okay as well).

Dry the battery cables and terminals to prevent corrosion; to protect those terminal further, use a plastic ignition spray on the terminals. Do not use grease on the terminals, especially on the metal to metal connections as grease may act as an insulator and keep the battery electrical power from entering the cables.

Motorhome batteries will either be standard AGM batteries or optional Lithium batteries as shown in (Figure 77.2).



Figure 77.1
Coach Battery Located Inside Entry Step Well



Figure 77.2
Access Panel Removed Exposing Coach Batteries
*Optional Lithium Batteries Shown

ELECTRICAL FEATURES CONTINUED

BATTERY INSPECTION AND CARE CONTINUED

If the batteries are not going to be used for an extended period of time, they can be removed or the battery cables can be disconnected. **IT IS STRONGLY RECOMMENDED** that this service be performed by a qualified service technician as this process is complicated and needs to be followed in precise steps.

The service technician will mark the positive and negative cables respectfully so they can be properly reconnected when you are ready to put your Wayfarer back into service. These batteries will require periodic recharging to maintain their full charge.

Following manufacturers recommendations as found in the Owners Information Package, periodically check the batteries to make sure there has been no change in their physical appearance.



WARNING: *If the Wayfarer ever requires any welding operations on the frame, first disconnect the chassis batteries. Failure to do so will destroy all of the chassis computer systems.*



NOTICE: Disconnect the 120VAC electrical power cord and the negative terminal from the coach batteries while working on the Wayfarer electrical system.



WARNING: Remove rings, metal watchbands and any other metal jewelry before working around batteries. If any metallic object (tool, jewelry, etc.) contacts the positive battery terminal or any other connection made to that terminal AND also contacts the negative terminal or any of its connections, a **SEVERE ELECTRICAL SHORT** will occur which could result in an explosion, fire and/or personal injury. Always wear eye protection.

ELECTRICAL FEATURES CONTINUED

120V (VAC) AC RECEPTACLES

Your Wayfarer motorhome is equipped with several 120V VAC receptacles (Figure 79.1) located throughout the interior of the motorhome.

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

For these receptacles to work properly, do not use an adapter, cheater or an extension cord which defeats the function of the grounding pin.



Figure 79.1
120V VAC Receptacle with USB Ports

For the same reason, never remove or bend away the grounding 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). ***Your Wayfarer motorhome does not contain any two prong 120V VAC receptacles.***

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

If you should feel even the slightest of electrical shock, immediately disconnect the unit from the 120V VAC power source and locate the electrical fault (i.e., typically it is a break in the grounding circuit).

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

ELECTRICAL FEATURES CONTINUED

USB RECEPTACLES

The Wayfarer is equipped with USB ports (Figure 80.1) conveniently located in the front dash as well as the living and bedroom areas.

These ports allow for easy access when charging cell phones, iPads, tablets and other computer and gaming peripherals.



Figure 80.1
USB Port Located in Arm Rest of Living Room
Dual Recliner

GROUND FAULT CIRCUIT INTERRUPT RECEPTACLES (GFCI)

In the bath area, there is a 120V VAC GFCI receptacle (Figure 80.2) which provide greater protection against inadvertent electrical shocks.

These specialized GFCI receptacles provide both overload and short circuit protection for the user. All of the electrical receptacles on the "general" branch is GFCI protected through the bathroom GFCI.



Figure 80.2
GFCI Receptacle Located in Bathroom Area

Consequently, if an appliance plugged into a non GFCI outlet does not have power, check for a tripped GFCI in the bathroom.

All GFCI protected receptacles are marked as such, but only one of them may have the two pushbuttons on the receptacle as shown in (Figure 80.2). The upper pushbutton is a "test" button which can be used to assure that the GFCI is working properly. All one needs to do to test is push the test button.

There will be a momentary "click and the GFCI will be disconnected (i.e., no power is available to any GFCI protected receptacles. To reset this GFCI breaker, push the lower reset button.

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.

ELECTRICAL FEATURES CONTINUED

GROUND FAULT CIRCUIT INTERRUPT RECEPTACLES (GFCI CONTINUED)

The GFCI should be tested at least once a month and/or when starting a new trip when the motorhome has not been used for a while. The 120V 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 top test button, this will cause the reset button to pop out which means that the protected circuits have been disconnected. Push the lower reset button back in until a "click" is heard. This will re-activate the protected circuit and in line plugs. If the GFCI is working properly, the reset button will remain in the "in" position.

INVERTER (1000 or 2000 Watts)

Your Wayfarer motorhome comes with a 1000W or 2000W inverter (Figure 81.1) that converts 12VDC power into 12VAC when 12VAC is not available. **Check your motorhome build to determine your inverter size.**

The inverter can create 120VAC to power the entertainment system (e.g., TV's, Blu-Ray Player and refrigerator) when 120VAC power is not available.

The inverter will transfer or pass 120VAC power to its loads when plugged into 30AMP shore power or when the generator is running.

The inverter switch (Figure 81.2) is located on the central control panel usually located in the bedroom of the motorhome. The switch allows for quick inverter ON/OFF control and a quick indication of the inverters power status.



NOTE: Leaving the switch on for an extended period of time will drain motorhome batteries.



Figure 81.1
Inverter; Located In Outer Storage Compartment on Passenger Side of Motorhome

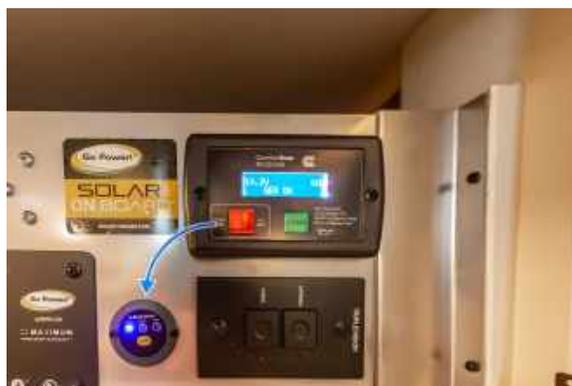


Figure 81.2
Inverter Switch Located on Central Control Panel Usually in Bedroom Area of Motorhome

ELECTRICAL FEATURES CONTINUED

ELECTRIC GENERATOR

Your Wayfarer motorhome is equipped with a 3.2kw diesel generator (Figure 82.1). Your generator is conveniently located in an exterior compartment in your Wayfarer motorhome. Prior to starting or stopping the generator, make sure that all of the 120VAC appliances in your motorhome are turned "OFF".

The generator can be started from either the remote start switch located on the central control panel (Figure 82.2), or directly on the generator itself.

The hour meter located on the central control panel display or on the generator itself is vital for observing necessary maintenance schedules on the generator.

To start the generator from the central control panel:

- Push the red button from Gen OFF to Display ON
- Wait until display is ready
- Push and release the green start button

After the generator has been started, wait until the transfer switch has connected before turning "ON" any appliances.



Figure 82.1
Onan 3.2kw Diesel Generator



Figure 82.2
Remote Generator Start Switch Located on Central Control Panel



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

ELECTRICAL FEATURES CONTINUED

AUTOMATIC TRANSFER SWITCH

The automatic transfer switch (ATS) (Figure 83.1) transfers 120VAC power from the 30AMP shore power cord normal power or generator power to the motorhomes main electrical distribution panel.

The automatic transfer switch has a delay of approximately 5 seconds before switching power to the 30AMP shore power cord and a delay of approximately 30 seconds before switching power to the generator. The automatic transfer switch is located on the drivers side rear most storage compartment.



Figure 83.1
Automatic Transfer Switch

If the unit is plugged into shore power but there is no power to the motorhome, then make sure the shore power outlet has power. If power is present, this may indicate that the automatic transfer switch is sensing an open neutral condition. Start the generator, if the motorhome power is restored then either the shore plug or the outlet may be defective (the neutral line may be broken).

If there is no power to the motorhome from either shore power or the motorhome generator, then check the generator circuit breaker. If the circuit breakers are not tripped in the generator or the coach, the transfer automatic transfer switch may need to be replaced.

For more detailed information, on the automatic transfer switch, please refer to the specific manufacturers owners instructions found in the owners information package.



CAUTION: Service to the automatic transfer switch is to be done by a qualified service technician. DO NOT attempt to remove the automatic transfer switch cover box unless the shore power cord is unplugged and the generator is off.



NOTE: Be sure air conditioning units are "OFF" before connecting or disconnecting to or from 30AMP shore power.

ELECTRICAL FEATURES CONTINUED

CIRCUIT BREAKERS

The circuit breakers (Figure 84.1) are located in the main 120VAC distribution load center located in the bedroom.

When the circuit breakers are shut down or electrically tripped, they must be manually reset. As needed, manually reset the circuit breakers as shown in (Figure 81.1).

The panel has a main 30AMP breaker which turns off all incoming power to the panels branch breakers. All branch breakers are labeled as to their function. This panel also has 12VDC fuses, which are labeled as to their function.



(Figure 84.1)
Circuit Breaker Box Located in Bedroom Area of Motorhome

CONVERTER

A converter is provided as a standard feature on the Wayfarer motorhome. It is part of the main 120V distribution center (Figure 84.1) located in the bedroom. The converter takes 120VAC power and transform that into 12VDC power when 120VAC power is available.

The converter will create 12VDC to charge the house batteries when 120VAC power is available from either the 30AMP shore power or motorhome generator power.

FUSES

The electrical circuits protected by the under dash fuse block (Figure 84.2) include; headlights, panel light for dashboard, tail lights, turn signals, cruise control, engine computer, accessory fuses, heater and dash air conditioning.

Additionally there is another chassis fuse panel which works in conjunction with the chassis fuse panel and provides comparable protection for the above listed circuits.

For further information, consult the chassis owners manual located in the owners information package.



Figure 84.2
Chassis Fuse Panel Location Under Dash

ELECTRICAL FEATURES CONTINUED

FUSES CONTINUED

Located beneath the access panel on the dashboard are two additional fuse panels, the panels protect the following electrical systems; mirrors, optional satellite jacks, camera, optional power windows, dash trim, lighter, map light, optional power seats and radio.

Should there be any electrical failure of these components or systems, the first troubleshooting procedure should be to check the fuses and have available replacements to use on any blown fuses as may be needed.

As an aid to extracting/installing fuses within the fuse blocks, the Wayfarer owners is encouraged to buy an inexpensive fuse puller from an electronic, automotive or hardware store. This tool makes the removal or installation of fuses much easier and prevents inadvertent damage to nearby fuses or the fuse block itself.

SEVEN PIN TOWING CONNECTOR

Your Wayfarer motorhome is equipped with a standard 7 pin connector near the towing hitch at the rear of the motorhome (Figure 85.1).

The connector supplies the necessary circuitry to control a towed vehicle, trailer or other like item.

The wiring schematics of the connector are shown in (Figure 85.2).



Figure 85.1
7 Pin Connector on Tow Hitch

Make sure that any cable from the item to be towed is wired correctly to mate properly with the connections shown in the connector. If in doubt about proper wiring, have a qualified service technician prepare and install the necessary cable to mate with the 7 pin connector on the motorhome. This will assure proper operation subsequently when any item is actually towed by the motorhome.

When the towed vehicle, trailer or like item is uncoupled from the motorhome and the cable is disconnected from the 7 pin connector, be sure to close the spring hinged cover plate on the connector.



Figure 85.2
7 Pin Connector Wiring Diagram

ELECTRICAL FEATURES CONTINUED

7 PIN TOWING CONNECTOR CONTINUED

This will protect the contact pins from being damaged by dirt or debris. In a similar manner, protect the cable from similar damage weather or debris; one such method could be to place the connector end in a heavy gauge plastic bag and secure the bag tightly around the cable with a stout elastic band or tape. Then mount the secured cable in a manner to keep it from both mechanical damage and water intrusion.

When the towed vehicle, trailer or such item is again coupled to the motorhome via the tow hitch and the cable is again connected to the 7 pin connector, make sure the connection is tight and solid so that the connection wont jar loose during use.

Once secured, check the tail lights, turn signals and brake lights to make sure that the item being towed is mirroring the actions of the motorhomes. (i.e., left turn signal on tow item matches left turn signal on motorhome, right turn signal on item being towed matches right turn signal on motorhome, etc).

Should a conversion adapter to convert the round 7 pin connector to a flat four pin connector be needed, such an adapter can be purchased from any RV, automotive or truck stop after market store.



HYDRAULIC LEVELING SYSTEM

CHAPTER

10

HYDRAULIC LEVELING SYSTEM

WARNINGS AND PRECAUTIONS



- ***Use the system in the intended manner. System forces and pressure can cause severe injury or death if used improperly or modified. Service work should only be performed by a qualified service technician.***
- Do not attempt to operate the system when the vehicle is in motion.
- Visually confirm that all stabilizer legs are retracted prior to travel.
- ***The equalizer system is designed to deny extension or retraction of the stabilizer legs if the ignition switch is in the "ON" position. If equalizer system is extended and the ignition is turned on it will default and retract automatically.***
- Make sure there are no obstructions in the path of the extend/retract path of the stabilizer unit.
- ***Do not use the stabilizer legs to lift the motorhome to perform any kind of service work or to change the legs. The system is designed to stabilize the motorhome, not lift it off of the ground.***
- Do not go under the motorhome while the stabilizer legs are extended.
- ***Do not operate any system functions while anyone is under the coach.***
- Do not allow excessive motion in the coach during the stabilizer operation. This could cause the system to stabilize improperly.
- ***Modifications of any factory supplied item may result in denial of all warranty claims.***

HYDRAULIC LEVELING SYSTEM CONTINUED

PARKING THE COACH

Care must be taken when selecting a parking spot. Since the system is designated to provide stabilization rather than leveling, park the motorhome on suitably level ground.

- Place the transmission in PARK and set the PARKING BRAKE.
- Prior to ANY system operation, visually confirm that the area above and below the stabilizers is clear of objects and obstructions.
- In order for the slide out(s) and/or stabilizers to extend/retract, turn the ignition key to "ON" to deploy the Slide Out(s) and then to the "OFF" position to deploy the stabilizers.
- Retract the Slide Out(s) and the stabilizers will retract automatically when the ignition key is turned to the "ON" position.

AUTOMATIC LEVELING SYSTEM CONTROLS

CONTROL PANEL OPERATION

1. Make sure the key is out of the vehicles ignition and Parking Brake is engaged (Figure 89.1).
2. Turn the leveling panel/ system (Figure 89.2) on and let the system run through its diagnostic mode.

Lights will flash clockwise around the green foot (System will not operate with the ignition key in the "ON" position).

3. When the lights stop flashing, its time to choose your function (MANUAL or AUTOMATIC).

If choosing MANUAL, press and hold button until light comes on. For AUTOMATIC, simply press the button once and release.

4. When in the MANUAL mode, each leveler can be operated individually.

FRONT button operates right front leveler.
RIGHT button operates right rear leveler.
LEFT button operates left front leveler and
REAR button operates left rear leveler.



Figure 89.1

Prior to Lowering Levelers, Engage Parking Brake by Lifting Up on Parking Brake Lever



Figure 89.2

Use Leveling Control Panel to Manually or Automatically Extend and Retract Levelers

AUTOMATIC LEVELING SYSTEM CONTROLS CONTINUED

CONTROL PANEL OPERATION CONTINUED

1. When using the MANUAL feature, it is important to level the coach by using two levelers at the same time or together (ie., right front and right rear), this puts less stress on the frame.
To retract individually, press and hold the RETRACT button and the jack button. To retract all, press and hold MANUAL until the light goes off, then press RETRACT.
2. When using the automatic feature, simply press the AUTO LEVEL button and then let the system operate itself.
It is important at this time that there is NO MOVEMENT IN THE MOTORHOME. This process will take approximately 1-3 minutes. To retract levelers, simply turn the panel on and press RETRACT.



WARNING: *Keep in mind the twisting/flexing that is possible to the vehicles frame. Always try to operate jacks in pairs.*

AUTOMATIC LEVELING SYSTEM MAINTENANCE AND TROUBLESHOOTING

For regularly scheduled maintenance, system information, component information , troubleshooting and more please refer to the specific manufacturers owners manual located in the owners information packet.

For owners manuals, how to's and other support information, please visit
<http://www.thebigfootleveler.com/support2.html>

Product warranty and registration information can be found at
<http://www.thebigfootleveler.com/product-registration.html>

For manufacturer videos and other information, please visit
<http://www.thebigfootleveler.com/videos.html>

AUTOMATIC LEVELING SYSTEM CONTINUED

Warranty Guide

**Owner must activate warranty via phone or website:
1-800-752-9815 www.thebigfootleveler.com/product-registration.html**

**OEM Installed Auto Leveling Quad/Central Pump Systems:
*1 Year Cylinder Replacement, Parts and Labor***

Should the product be defective due to workmanship and/or material flaws, the OEM manufacturer will replace the defective material. **Core charges may be applied and refunded on certain components.**

**For more detailed information regarding service, parts, labor, warranty and more visit:
www.thebigfootleveler.com/support2.html**

Please refer to the manufacturers specific owners manual that is included in your Wayfarer Motorhomes owners information packet.

***Prior to any work being done an authorization number must be obtained
by calling 1-800-752-9815 for warranty parts and service labor.***

For full warranty transcript, contact the manufacturer at **269-483-9633**

Service labor based on a flat rate schedule determined by Quadra for authorized work performed will be reimbursed.

This will eliminate much diagnostic time and avoid refusal of unauthorized claims. Many problems may be resolved by contacting a Quadra service representative.

Provide the system serial number here: _____

EMERGENCY SERVICE

For after hours emergency service, please call the manufacturers normal office number at **269-483-9633** and follow the instructions.



SLIDE-OUT FEATURES

CHAPTER

11

SLIDE-OUT FEATURES

GENERAL CONSIDERATION

Your Wayfarer Motorhome is equipped with a slide-out located on the drivers side and depending on the model on the rear of the motorhome. The slide-out room is actuated by the slide-out setting on the control panel located just inside the side entry door to the motorhome (Figure 93.1).

Choose the slide-out section of the control panel and press the EXT to extend the slide-out and press the RET to retract the slide-out prior to movement of the motorhome.

OPERATING PRECAUTIONS

Before the slide-out room is to be used, make sure the motorhome is parked level. Verify that no obstacles (e.g., branches, trees, telephone poles, power/water hookups, trash bins, etc.) are within a five foot space area where the slide-out will be fully extended (Figure 93.3).

Take all precautions necessary to prevent damage to the slide-out room when it is fully extended.



Figure 93.1
Main Control Unit Set to Slide Out Control



Figure 93.2
Slide-Out Room Fully Retracted



Figure 93.3
Slide-Out Room Fully Extended

SLIDE-OUT FEATURES CONTINUED

EXTENDING THE SLIDE-OUT ROOM

1. Any loose materials or possible obstructions such as rugs or furniture should be removed from the immediate, slide-out room area. Make sure the motorhome has been leveled, that the motorhome batteries are sufficiently charged and are connected to the electrical system.
Make sure that the parking brake is engaged and that the ignition switch is "ON" with the engine running before attempting to use the slide-out features.
2. Verify that there are no obstructions outside which may interfere with the operation of the slide-out room.
3. Make sure the ignition switch is in the "ON" position with the motor running and the parking brake is fully engaged.
4. Push the EXT section of the control panel and allow the slide-out room to go fully to its fully extended position. When fully extended, release the switch.

RETRACTING THE SLIDE-OUT ROOM

1. Before attempting to move your Wayfarer motorhome, the slide-out room must be fully retracted.
2. Verify that the motorhomes batteries are sufficiently charged and connected to the electrical system.
3. Make sure all personnel equipment and all passengers are away from the slide-out room.
4. Make sure all cabinet doors around the slide-out areas are closed.
5. Push the RET section of the control panel; allow the slide-out room to go to its fully retracted position.
6. Release the rocker switch (this locks the room into position).
7. For a slide-out room in the bedroom area, the bed must be raised to retract.

NOTICE: If the slide-out room doesn't move when the panel icon is pushed, check the following:



- Make sure the ignition system is turned "ON" and the engine is running.
- Make sure the parking brake is engaged.
- Make sure the motorhome batteries are sufficiently charged and connected.
- Make sure the slide-out breakers haven't been "Tripped". These are located storage box with the inverter or converter.

CAUTION: Before attempting to extend the slide-out room(s), check to make sure that there is at least five foot clearance around the area where the slide-out will be extended.



DO NOT allow anyone to sit, stand or sleep in the slide-out while operating the slide feature. This could result in extensive motorhome damage and may cause injury to motorhome occupants.



EXTERIOR FEATURES

CHAPTER

12

EXTERIOR FEATURES

EXTERIOR SIDES

The side of your Wayfarer motorhome are constructed of gel coated fiberglass (Figure 96.1).

To add to this feature, the end caps are also gel coated fiberglass. To clean these fiberglass surfaces, use only warm water and a mild soap or cleanser and gently wash with soft cloths. Use of stiff bristle brushes or other harsh abrasives may cause scratches in the fiberglass surfaces.



Figure 96.1
Exterior of Tiffin Wayfarer



NOTE: Tiffin Motorhomes is NOT responsible for the weathering and/or oxidation of gel coated surfaces.

Spacious storage compartments are located on the exterior of your Wayfarer motorhome (Figure 96.2 and 96.3). These external compartments provide ample additional space for your belongings while you are traveling.



Figure 96.2
Exterior Compartment Which Also Houses Components Necessary to the Motorhomes Function.

NOTE: Use Caution When Storing Items in These Compartments to Avoid Damaging Motorhome Components

When stowing materials in these storage compartments, try to balance the resultant weight load from front to rear and side to side.

This will keep the center of gravity of the motorhome essentially unchanged and should not adversely affect the handling characteristics of the motorhome when it is in motion.



Figure 96.3
Rear Pass Through Storage
NOTE: Design Will Vary Depending on Model



CAUTION: Some exterior compartments will also house components necessary to the function of the motorhome. Use caution when storing items in these compartments to avoid damaging the components when the motorhome is in motion.

EXTERIOR FEATURES CONTINUED

SECURITY LIGHTS

On your Wayfarer motorhome, exterior security lights are a standard feature (Figure 97.1).

The light is installed on the passenger side of the motorhome to help light that side of the Wayfarer for added protection.

The light can serve as a porch light when the motorhome is parked and the awning is deployed so that various activities (e.g., sitting outside, grilling or entertaining) at dusk or later can be enjoyed by the motorhome owners and their guests.



Figure 97.1
Exterior Security/Patio Light

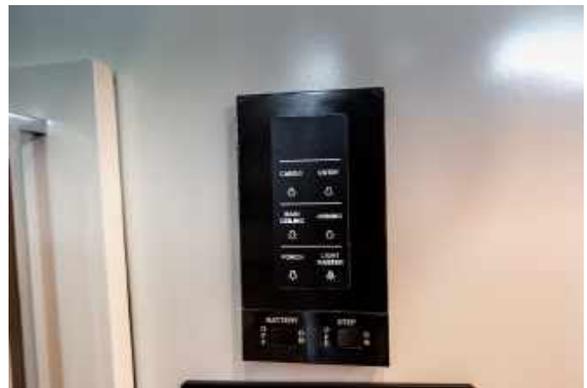


Figure 97.2
Security/Patio Light Control on Panel Just Inside
Rear Entry Door to Motorhome

ELECTRIC STEPS

Your Wayfarer motorhome is equipped with electric door steps (Figure 98.1 and 98.2).

The switch to operate these steps is located in the rear entry door stairwell (Figure 98.3). When the power switch for the steps is in the "ON" position, simply open the door and the steps will automatically extend. When the door is closed, the steps will retract.

Detailed operation for the electrical, double entrance door steps is as follows:

- Turn the step power switch to the "ON" position.
- Close the door. The steps should retract and lock in the up position.
- Open the door. The steps should extend and lock into the down position.
- Turn the power switch to the "OFF" position while the power steps are extended. The steps should remain in an extended position when the door is closed. If the power switch is turned to the "OFF" position while the power steps are retracted, the steps will stay in the retracted position.

EXTERIOR FEATURES CONTINUED

ELECTRIC STEPS CONTINUED

- With the step extended, turn the power step switch to the "OFF" position and close the entrance door. Turn the motorhome ignition switch to "ON". The ignition override system will go into effect and the step will automatically retract.
- With the power step switch in the "ON" position, turn the vehicle ignition switch to the "OFF" position and open the rear entry door. The power steps will extend and lock in the down position.
- This feature is only operative the first time that the rear entry door is opened after vehicle ignition is turned "OFF". When the ignition switch is turned "ON", the steps will always activate with the door movement, regardless of the position of the power step switch.



Figure 98.1
Side Entry Exterior Power Steps in Retracted Position



Figure 98.2
Side Entry Exterior Power Steps in Extended Position

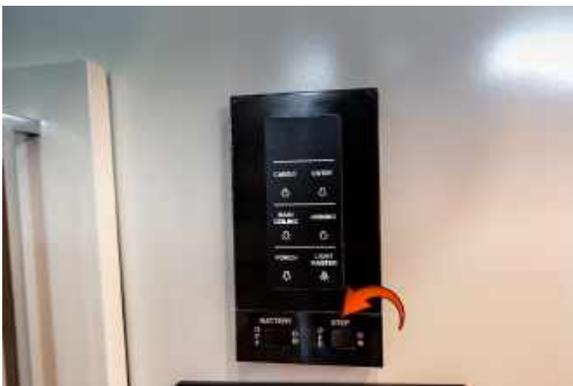


Figure 98.3
Side Entry Power Steps Control Button Located on Switch in Stairwell of Motorhome

EXTERIOR FEATURES CONTINUED

ELECTRIC STEPS CONTINUED



CAUTION: DO NOT travel with the power steps in the extended position. If the motorhome is driven with the steps in the extended position, there is a very good possibility of causing major damage to both the steps and the motorhome.



NOTICE: If the side entry door is opened and closed without allowing for the side entry steps to extend fully and lock in the "DOWN" position, the step will retract and lock in the "UP" position.

When the side entry door is re-opened the step "WILL NOT" extend. The power switch for the side entry steps must be turned back to the "ON" position for the steps to extend and lock into place.



CAUTION: Always be sure to "**LOOK BEFORE YOU LEAP!**" When opening the side entry door from the inside, be sure that the steps have fully deployed and are locked in the extended position.

Failure to do so could lead to a fall and possible personal injury.

TONGUE WEIGHT

Your motorhomes towing tongue weight should never exceed 10% of the towing hitch capacity.

Your Wayfarers maximum towing capacity is 5,000 lbs. which means your maximum towing weight is 500 lbs.

To calculate your tongue weight, utilize the components shown in (Figure 99.1).

For every foot the scale is away from the trailer tongue, multiply that number against the weight shown on the scale (*i.e., Weight on scale is 180 pounds and scale is 3 feet from tongue. $180 \times 3 = 480$ lbs.*). **Overall weight can never exceed 500 lbs.**

You can also get your tongue weight measured at any certified weight scale.

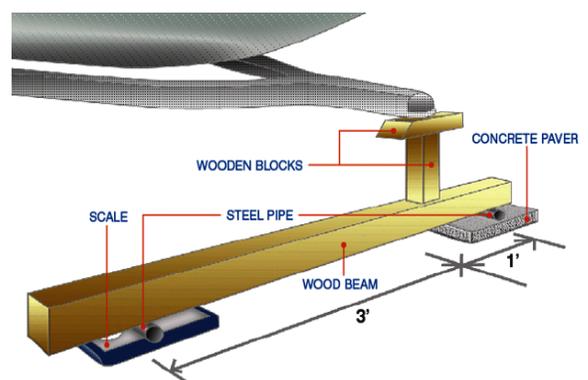


Figure 99.1
To Measure Tongue Weight, Utilize Components Shown.
Multiply Weight on Scale By Number of Feet Scale is From Center of Tongue.
In Image Above, Scale Is 3 Feet From Center of Tongue. Multiply Weight On Scale By 3.

EXTERIOR FEATURES CONTINUED

MIRRORS

Your Wayfarer motorhome is equipped with remote controlled exterior rear view mirrors (Figure (100.1)). Always adjust the mirrors for maximum visibility before driving the motorhome.

If another driver is going to operate the motorhome, be sure the mirrors are readjusted to accommodate their needs.

The mirrors are adjusted by using the multi directional switch located on the drivers door (Figure 100.2). Select the mirror to be adjusted by choosing the mirror option directly above the multi directional switch.

Move the control in the direction of movement desired to obtain the best view for that mirror. The adjustment control moves the top half of both mirrors. The bottom half of each mirror is convex and is adjusted manually.



Figure 100.1
Sprinter Chassis Drivers Side Rear View Mirror



Figure 100.2
Sprinter Multi Directional Mirror Control and Mirror Selector

Detailed instructions for these manual adjustments can be found in the Sprinters manufacturers literature available in the Owners Information Package. However, this brief overview of the mirror adjustment can begin the process.

The top portion of the mirror should be horizontally adjusted so that you can see your own motorhome in the one inch surface closest to the motorhome. The remaining portion of the mirror now permits you to see the road behind you. The mirror should be adjusted vertically so that you can see the rear bumper on the bottom plane portion of the mirror.

The convex mirrors should be adjusted horizontally so that you can see your own motorhome in 1/3 of the mirror. The convex mirrors should then be adjusted vertically to allow you to see any other vehicles alongside of your motorhome.

Further information can be found in the Mercedes Benz Owners Manual.



INTERIOR FEATURES

CHAPTER

13

INTERIOR FEATURES

FLOORING

Vinyl flooring (Figure 102.1) is standard throughout your Wayfarer motorhome with the exception of the slide-out rooms, which are carpeted.

For routine cleaning, sweeping or vacuuming the floor would be sufficient. If more thorough cleaning is warranted, the flooring can be cleaned with a damp mop and water.

For stubborn stains, a mixture of soap free household cleaner (e.g., vinegar, ammonia or comparable products) mixed with water can be used.

You should not unduly saturate the floor surfaces with water, as this could damage the flooring substrate.

Do not use any abrasives (cleaners, scouring pads and the like) as they can scratch or mark up the vinyl flooring surfaces and may cause permanent damage to the vinyl flooring.

CEILING

The ceiling in your Wayfarer motorhome (Figure 102.2) is covered with a padded vinyl headliner which can easily be cleaned with a damp soft cloth and a mild detergent.

Clean around all vent areas to prevent any buildup of dirt, grease or other accumulations.



Figure 102.1
Vinyl Flooring in Living Area with Carpeted Slide Out Room Shown



Figure 102.2
Ceiling Area with Lights and Vent Fixtures Shown

INTERIOR FEATURES CONTINUED

WINDOW TREATMENTS

Throughout your Wayfarer motorhome, the window treatments consist of a blackout shade (Figure 103.1). The blackout shade keeps heat and sunlight out during the day and provides complete privacy at night.

Each shade can be raised or lowered simply by pulling down on the shade (Figure 103.2).

The blackout shades are located on all the windows in the living and bedroom area. The cab over bunk has a manual roller shade.



CAUTION: DO NOT over extend the window shades; this will damage the interior roller tube mechanism. To operate the cockpit shades, pull the shade down to the desired level and slowly release to lock the shade into place.

To retract, gently pull the shade down until tension is felt, slowly raise the shade and release approximately 1/2 way to the top (Figure 103.3).



Figure 103.1
Window Shade Pulled Down Totally Covering
Window



Figure 103.2
Window Shade Pulled Down to Cover Half of
Window



Figure 103.3
Window Shade Fully Retracted



PLUMBING & BATH FEATURES

CHAPTER

14

PLUMBING AND BATH FEATURES

MONITOR PANEL

The monitor panel (Figure 105.1) permits checking the approximate levels in the fresh, gray and black water holding tanks. The propane (LP) gas level and battery condition are also displayed on this screen.

KITCHEN SINK

For the kitchen sink (FIGURE 105.2), cleaning care consists of washing only with mild detergents and water. Use a soft cloth for subsequent drying and polishing.

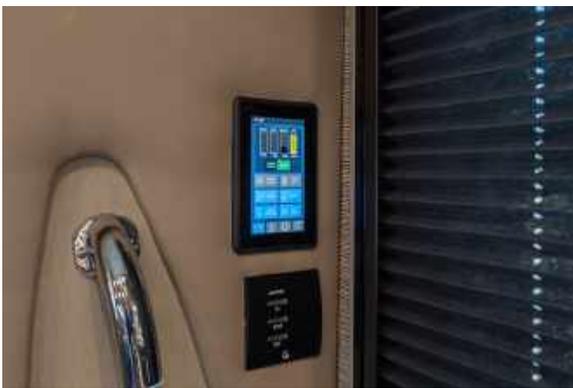


Figure 105.1
Main Control Panel Showing Tank Levels and
Battery Condition Screen



Figure 105.2
Kitchen Galley Sink

BATHROOM SINK, SHOWER AND ACCESSORIES

The typical bathroom accessories include a towel bar and toilet paper holder. The faucet in the bathroom (Figure 105.3) was chosen to match the specified decor.

The tub faucet with shower-head, hose and bracket are coordinated with the sink faucet (Figure 105.4).



Figure 105.3
Bathroom Sink, Faucet and Towel Bar



Figure 105.4
Shower-head, Hose and Bracket

PLUMBING AND BATH FEATURES CONTINUED

WATER PUMP

The water pump is self-priming and totally automatic, operating on demand whenever water is required. The water pump is used to pressurize the fresh water system when the unit is not connected to city water.

To start the pump, follow these instructions:

1. Fill or partially fill the fresh water tank supply.
2. Open the kitchen and bathroom faucets.
3. Turn the water pump switch (Figure 106.1) to the "ON" position and allow the water to fill the water line and the hot water heater.
4. Close each faucet after it delivers a steady stream of water (close the cold water faucet first). Leave the hot water faucets "ON" until they deliver a steady stream of water. This procedure will assure that the water heater is filled with water.
5. The water pump should stop running once all the faucets are closed.
6. The water pump is now ready for automatic operation. The pump will run when a faucet is open and stop when the faucet is closed.
7. Never allow the pump to run for long periods of time without water being present in the supply tank. Doing so may cause physical damage to the components or it may blow fuses.



Figure 106.1

Water Pump Switch Located in Exterior Rear
Compartment Drivers Side

All the water should be drained from the fresh water system when the unit is not in use for an extended period of time.

For more detailed information regarding the water pump, one should refer to the water pump manufacturers brochure located in the Owners Information Package

PLUMBING AND BATH FEATURES CONTINUED

WATER PUMP CONTINUED

If water does not flow when a faucet is turned "ON" while using the demand system, use the following troubleshooting chart:

SITUATION	SOLUTION
Pump running - no water	1. Fill tank
Pump doesn't run	2. Clear the water line to the pump
	3. Check the pump switch
	4. Check the 12-volt fuses
	5. Check the electrical connections
	6. Check the motorhome battery

CITY WATER CONNECTIONS

When connecting your motorhome to city water, use a water hose manufactured and labeled for potable water service. This will assure the the hose selected will not alter the taste of your water.

When connecting your motorhome to city water, connect your hose to water connection marked with a red arrow (Figure 107.1). While doing so, make sure the blue handle located to the left of the inlet is moved to "CITY".



Figure 107.1
City Water Intake Marked with Red Arrow and Blue Handle Turned to City

DRY CAMPING CONNECTIONS

When dry camping, make sure the blue handle next to the inlets is turned to "DRY" and the water pump switch is turned "ON".

HOOKING UP TO WINTERIZATION

1. Take plug out located at the end of hose #2 as noted with blue arrow (Figure 107.2).
2. Insert the winterization hose.
3. Turn the blue handle to "CITY".
4. Switch water pump to the "ON" position.



Figure 107.2
Remove Plug Marked with Blue Arrow to Insert Winterization Hose

PLUMBING AND BATH FEATURES CONTINUED

CITY WATER SUPPLY CONNECTION

To connect to the city water supply, connect one end of the potable water hose to the city water supply.

Turn the city water supply "ON" for a few seconds to clear the line, Once the hose has been flushed, turn the water supply "OFF". Connect the other end of your potable water hose to the water inlet valve on the sewer board (Figure 109.1), turn the blue handle valve on the sewer board to city (Figure 109.1).

NOTE: (As the water goes through the inlet and then passes through the water filter insuring that all water exiting the faucets and shower(s) has been filtered). Once the city water valve is opened, water is supplied to the fresh water system including the hot water heater, faucets and toilet. Turn "ON" the water supply and open all faucets to clear any trapped air within the plumbing lines within the motorhome.

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

The valves should never be turned while there is water pressure in the lines!

FILLING THE FRESH WATER TANK

1. Insert potable water hose to water inlet (Figure 109.1).
2. Turn the CITY/DRY blue valve to "DRY".
3. Turn the water hose "ON".
4. Fill to the desired tank amount.

The fresh water tank is normally filled from the city water inlet on the sewer board (Figure 109.1). The blue valve located on the sewer board determines whether the city water is going through the water system or into the fresh water tank.

To fill the fresh water tank, turn the blue handle valve to dry, since there is no automatic shut off when filling the fresh water tank check the water level from the monitor panel while filling the fresh water tank.

All of the water should be drained from the fresh water system when the motorhome is not in use for an extended period of time.

NOTE: As your fresh water tank fills, the water passes through the water filter insuring that the water in the fresh water tank has been filtered before use.

PLUMBING AND BATH FEATURES CONTINUED

RUN HOT AND COLD WATER FIXTURES FROM FRESH WATER TANK

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

1. Turn "ON" the water pump. (Figure 109.1).
2. On the sewer board turn the blue valve to the "DRY" position. (Figure 109.2)



Figure 109.1
Master Water Pump Switch



Figure 109.2
To Use Water From the Fresh Water Tank, Turn
Blue Valve to "DRY"

SANITIZING HOT /COLD FIXTURES AND FRESH WATER TANK

To assure complete disinfecting of the fresh water system, it is recommended that the following procedures be performed on a new system, one that has not been used for an extended period of time or one that has been contaminated. This procedure is also recommended before long periods of storage, such as the winter months:

- Drain the fresh water tank by opening the drain valve (Figure 109.1). All of the faucets should be in the closed position or "OFF" position.
- 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 water tank capacity. Concentrations greater than 50 PPMs may damage the water lines and/or the water tanks.
- Once the fresh water tank is empty, close the drain valves to the water tank.
- Pour the solution in the gravity fill which is located in the rear of the motorhome.
- Turn the water pump to "ON", on the sewer board turn the blue valve to "DRY".
- Open each faucet, in turning "ON" both the hot and cold faucets and flushing the toilet until all of the air has been purged from the pipes and the water runs freely. The entire system will then be filled with sanitizing solution.

PLUMBING AND BATH FEATURES CONTINUED

SANITIZING HOT/COLD FIXTURES AND FRESH WATER TANK CONTINUED

- Drain the system and flush it with fresh water. The water system needs to be flushed with water repeatedly if necessary, until there is no chlorine taste or smell 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 water tank containing the solution by moving the motorhome forward and backward several times until the tank is clean. Then drain that water tank and refill with clean water.

SANITIZING HOT/COLD FIXTURES ONLY (NOT INCLUDING FRESH WATER TANK

- All faucets should be in the closed or "OFF" position.
- Prepare a chlorine solution using one gallon of water and one half cup of chlorine bleach (5% sodium hypochlorite solution). Concentrations greater than 50PPMs may damage the water lines.
- Connect one end of a vinyl hose to the inlet valve on the sewer board; place the other end of the hose into the solution that has been prepared.
- Turn "ON" the water pump. On the sewer board turn the blue handle valve to "CITY".
- Open each faucet by turning "ON" both the hot and cold faucets and flushing the toilet until all of the air has been purged from the pipes and the water runs freely.
At this point, all of the water lines will be filled with sanitizing solution.
- When the sanitizing process is completed, turn the water pump "OFF".
- Allow the 50 PPMs disinfecting solution to stand in the system for at least four hours.
- Drain the system and flush it with fresh water. The water lines will need to be flushed with water repeatedly if necessary. Continue to flush until there is no excessive 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 fresh water.

PLUMBING AND BATH FEATURES CONTINUED

WATER FILTER

Your Wayfarer motorhome is equipped with a water filter (Figure 111.1) which must be removed before disinfecting the fresh water system.

First remove the water filter and then replace the cover to allow the sanitizing solution access to the faucets. As installed, the filter will remove chlorine, dirt and other matter.

This filter will also eliminate most phenol (or similar) odors and tastes while delivering sparkling, taste free water for drinking and cooking.



Figure 111.1
Water Filter

The water filter is located in the sanitation compartment on the drivers side of the motorhome rear most storage compartment. The water filter is not guaranteed to remove the tastes and odors of iron and sulfur. To remove these impurities, you will need to chlorinate the water.

Replacement filters are available that will filter iron and sulfur. Ask your dealer or RV supply center about purchasing an iron and sulfur filter.

If you are traveling in an area where the water has higher than normal iron and sulfur content, then add one tablespoon of chlorine bleach to every 10 gallons of water in your tank - this will precipitate the iron and/or sulfur so that the filter can remove those impurities.

If you are at a site where your motorhome is connected to a city water supply, you will not be able to chlorinate the system because the water flows straight to your faucets and not through the fresh water tank.

Filters should be changed every six to twelve months depending on the quality and quantity of the water that is used in your motorhome.

PLUMBING AND BATH FEATURES CONTINUED

WATER HEATER BYPASS SYSTEM

This process is performed when winterizing your motorhome. This process will keep antifreeze out of your water heater when winterizing your motorhome. Please follow the manufacturers specific directions for winterization process.

Draining the water heater during winterization is a MUST.

BYPASS WATER HEATER FOR MAINTENANCE

This procedure is used for any maintenance that may be done to your water heater system. On the sewer board, turn the blue valve to the "CITY" position.

(NOTE: You will still be able to use your faucets and showers if necessary but it can only be done with pressurized city water and will only supply cold water).

FRESH WATER LINES

Check all the plumbing connections for leaks at least once a year.

If the water pump runs when all faucets are turned "OFF", check for a possible leak. Be sure the drain valves are closed. Connections at the kitchen and bathroom faucets normally seal by hand tightening them and then making an additional half turn with a wrench.

If a fitting leak persists, disconnect it completely and visually inspect it for mineral deposits or foreign material stuck on the sealing surfaces. Clean the surfaces thoroughly and reinstall the fitting.

GENERAL INFORMATION

The waste draining system was designed to provide adequate and safe storage and/or disposal of waste materials. All of the materials used in the fabrication of this system are tested by a nationally recognized testing laboratory.

The drainage system uses plastic piping and fittings connected to the sinks, toilet and holding tanks. This plumbing permits the drainage of these fixtures to an outside termination. The vehicle should be reasonably level for best operation of both of the waste water systems.

There are two separate waste water systems. The gray water system is for waste water from the sinks and the shower. The black water system is for sewage waste from the toilet. Each waste water tank has its own control valve and both drain through a common sewer drain hose.

PLUMBING AND BATH FEATURES CONTINUED

TOILET

The toilet (Figure 113.1) operates with water from either the fresh water tank with the water pump "ON" or from the city water supply. Before using the toilet, add water to the bottom of the black water tank. Refer to the "BLACK WATER TANK" instructions.

The toilet flushes waste directly into the black water holding tank. It is imperative that you use as much water as possible when flushing to prevent tissue and other solids from clogging the holding tank outlet.



Figure 113.1
Wayfarer Toilet

When using your toilet, fill the toilet 3/4 full of water. To add water to the toilet bowl, push the pedal level 1/4 of the way down until the desired level of water is reached. To flush the toilet, push down on the toilet lever until the waste swirls. A small amount of water should remain in the bowl.

The toilet should be cleaned regularly for maximum sanitation and operational efficiency. Clean the toilet bowl with a mild bathroom cleaner.



NOTICE: DO NOT use chlorine or caustic chemicals such as bleach or drain opening chemicals in your motorhomes toilet. This will damage the seals in the toilet and dump valves.

BLACK WATER HOLDING TANK

The black water holding tank (i.e., sewage) is located directly beneath the toilet. Before using the toilet, you will need to treat the tank with water that is mixed with an odor controlling chemical. These chemicals are readily available at any RV supply store.

Pull the toilet levers forward to allow the chemicals to mix with the toilet water. Continue pulling the toilet levers until a depth of at least one inch of solution is directly under the toilet.

Release the levers and the waste tank is now ready for use.

PLUMBING AND BATH FEATURES CONTINUED

GRAY WATER HOLDING TANK (P-TRAPS)

The gray water holding tank is located in the underbelly of the motorhome. It is primarily used for drainage from the kitchen and bath sinks as well as the shower.

(P-TRAPS) - Each of the sink drains and the shower drain has a water trap (P-TRAP) to prevent holding tank odors from entering the motorhome. These traps must have water in them to prevent odors.

When the vehicle is in motion, the water may splash out of the sinks and shower drains. When the vehicle is stored, the water may evaporate from these traps allowing odors to enter the motorhome. If this occurs, run water from the faucet(s) into the drain(s), allowing water to fill the traps again.



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.

It is important that you use as much water as possible each time you flush the toilet. This will help prevent tissue and other solids from clogging the holding tank outlet.

WASTE WATER DISPOSAL

Both of the holding tanks terminate in a valve arrangement that permits draining each tank separately or together. It is recommended to drain the black water tank first before draining the gray water tank. This procedure permits the water from the gray water tank to wash the black water tank residue from the drain lines.

The valves that open to release the water tanks are called gate valves (Figure 114.1). The blade that closed the openings in the sewer drain pipes is connected to the T-Handle to release contents of the tank(s) when pulled.

The sewer line must be securely capped off during self containment use to prevent leakage of waste materials. Do not pull the either holding tank gate valve "OPEN" when the protective cap is installed on the pipe.



Figure 114.1
Sanitation Coupling with Gray and Black Water
Tank Gate Valves

NOTE: This Unit Can Be Found In An Exterior
Storage Compartment Located On the Drivers
Side of the Motorhome

PLUMBING AND BATH FEATURES CONTINUED

WASTE WATER DISPOSAL CONTINUED

Always drain the water tank(s) into an acceptable sewer inlet or RV dump station. Whenever possible, drain both of the holding tanks prior to traveling. The carrying capacity of your vehicle will be reduced if water and solids are left in the gray or black tanks.

The holding tank(s) should only be drained when they are at least 3/4 full, to check on the amount of water and solids located in the holding tanks, check the levels on the main control panel located in the stairwell of your motorhome (Figure 115.1).

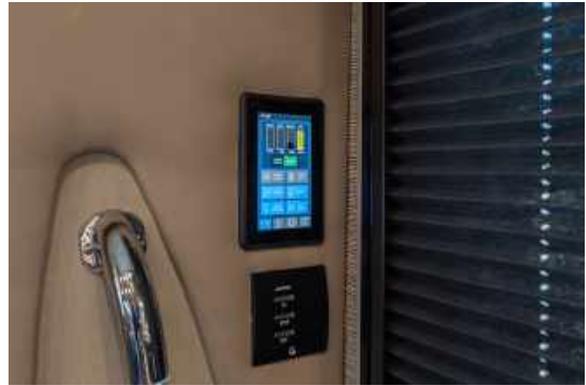


Figure 115.1
Main Control Panel Showing Tank Levels

Draining at 3/4 full levels will provide a sufficient volume of water to allow the complete flushing of waste materials in the drain lines and hoses. If the tanks are not 3/4 full, add enough water to the tanks to allow for sufficient flushing.

To empty the waste water tanks, connect the adapter supplied with your motorhome to the drain hose. Unscrew the cap from the drain. Connect the hose with the adapter in place to the drain fitting. Open the gate valve by completely by pulling on the tanks T-Handle gate valve. The tank will start to drain as soon as the T-Handle is pulled.

After you have drained the black water, immediately follow by draining the gray water tank. This procedure helps to flush the black water from the sewage hose. When both tanks are empty, flush them with a fresh water rinse before you close the valves. The gray tanks are easily flushed by pouring a couple of gallons of water into a sink drain.

The drain outlet is engineered for quick release of the drain hose adapter. Always close the gate valves and secure the end cap to prevent leakage while the vehicle is in transit.

After draining the black water tank, it is recommended to add a holding tank deodorant to help control the odor and break down the solids. Follow the instructions given on the holding tank deodorant package.

PLUMBING AND BATH FEATURES CONTINUED

SEWER CONNECTION AND CAMPING

When using the motorhome it is important to keep the black water holding tank gate valve closed at all times, except when dumping. This allows an ample amount of liquid to remain in the tank to provide for a smooth flow through the gate and drain valves when dumping.

Sufficient liquid in the tank causes a swirling action that should take any accumulated solid wastes with it. Accumulation of solid wastes in the black water tank can be avoided by keeping the gate valve closed when connected to the sewer connection. The gray tank can be kept open while hooked to a sewer connection.



NOTICE: When dumping, it is suggested to dump the black water tank first followed by the gray water tank.

NO FUSS FLUSH

Your Wayfarer motorhome may be equipped with a flushing system for the black water holding tank. When draining your sewer tank, attach a water hose to the sewer spray connection. After the tank is drained, leave the gate valve "OPEN" and open the water valve to all water to spray inside the black water tank.

This will clean the inside of the tank of any debris that may be left inside the tank. After this procedure is done, disconnect the fresh water hose and close the gate valve.



NOTICE: Be sure the gate valve is "OPEN" when flushing the tank. Do not use the same hose for the No Fuss Flush that is used for filling the fresh water tank.

EXTERIOR SHOWER

Your Wayfarer motorhome has an exterior shower for your use and convenience outside the motorhome (Figure 116.1).

The exterior shower is located in the service compartment on the drivers side and allows you to do such things as rinse off sand or grass, muddy shoes or to bathe outside of your motorhome.

The faucet operates just as it would in your kitchen or bathroom.



Figure 116.1
Exterior Shower



**WINDOWS, AWNINGS, VENTS,
DOORS**

CHAPTER

15

WINDOWS, AWNINGS, VENTS, DOORS

WINDOWS

The windows are custom built for your Wayfarer motorhome and allow for easy access by turning the window knob to open the windows and accessing fresh outside air (Figure 118.1 and 118.2).

There may also be a reflective coating on the windows to reflect a portion of the sunlight to reduce the heating of the motorhomes interior. This reflective coating will also reduce the effects of the "suns bleaching" on the interior fabrics of the motorhome (i.e., curtains, upholstery).

Sun shades on both the drivers and passengers side of the coach can be deployed at any time. *(For further information on the sun shades, please refer to their section in Chapter 13).*

Windows throughout the coach are designated as "EXIT" windows in the event of an emergency (Figure 118.3 and 118.4). *(For more information on the Emergency Window Exits, please refer to their section in Chapter 2).*



Figure 118.1
Motorhome Windows in Closed Position



Figure 118.2
Motorhome Windows in Opened Position



Figure 118.3
Emergency Exit Window Closed



Figure 118.4
Emergency Exit Window Handle Engaged

WINDOWS, AWNINGS, VENTS, DOORS CONTINUED

AWNING

Your Wayfarer motorhome comes standard with a power awning (Figure 119.1 and 119.2). The awning is controlled by the awning switch located in the stairwell of the side entry door (Figure 119.3).

Your power awning is extremely durable and can be operated in "LIGHT RAIN and WIND" conditions. Your awning contains a strip of LED lighting which is controlled by the lighting control panel across the stairwell from the awning switch (Figure 119.4).

To operate your awning, make sure your motorhome ignition is in the "OFF" position and the parking brake is "ENGAGED". Turn on your master 12V VDC power switch and push the "OUT" button to extend your awning. To retract your awning, push the "IN" button until fully closed.



Figure 119.1
Power Awning In Closed Position



Figure 119.2
Power Awning In Extended Position



Figure 119.3
Awning Control Switch



Figure 119.4
Awning LED Lighting with Light Control Panel Shown

WINDOWS, AWNINGS, VENTS, DOORS CONTINUED

AWNING CONTINUED

Your power awning may be operated in light wind and rain conditions. When periods of wind above 15MPH and/or rain are expected, the awning must be retracted. Failure to do so could result in damage to the awning, your motorhome and may cause personal injury.

"NEVER" leave your motorhome unattended with the awning extended.



WARNING: All awnings must be closed prior to moving of the motorhome for any reason. As an extra safety precaution, a visual check that the awning is fully closed is required.

WARNING: Before using your awning, ensure that the area into which the awning will be extended is free of obstructions (i.e., trees, walls, pillars, posts, other motorhomes, etc.).

Damage caused by wind and rain is not covered under warranty.



Damage caused by failure to comply with warning and operation in the manufacturers owners manual is not covered under warranty.

Damage caused by collisions with any objects listed above and items not listed are not covered under warranty.

Please refer to the awning manufacturers owners manual supplied with the Owners Information Package for proper maintenance and servicing procedures.

VENTS

The kitchen, bathroom and bedroom are all equipped with a 12V VDC exhaust vent fan (Figure 120.1). A three speed switch controls the fan speed.

The vent fan should only be left in the "ON" mode when the motorhome is parked and in use.

The fan will not operate until the vent is opened.

Please refer to the manufacturers owners manual supplied with the Owners Information Package for further product information.



Figure 120.1
Overhead Vent Fan

WINDOWS, AWNINGS, VENTS, DOORS CONTINUED

DOORS

The primary entrance door to the motorhome has a key lock and a separate dead bolt for additional security (Figure 121.1 and Figure 121.2).

When the door is fully opened, the door hinge automatically holds the door in an "OPEN" position.

There is also a secondary screen door that when closed, allows for increased air circulation when the primary entrance door is left in the "OPEN" position.



Figure 121.1
Side Entry Door and Secondary Screen Door Closed



Figure 121.2
Side Entry Door Locking Mechanisms Up Close



WARNING: Always secure the dead bolt lock while the motorhome is in motion. This will prevent an accidental opening of the entrance door.



DRIVING YOUR MOTORHOME

CHAPTER

16

DRIVING YOUR MOTORHOME

SINGLE VISION CAMERA REAR MONITOR SYSTEM

The rear view monitoring system (Figure 123.1) is provided to aid the driver in backing up and parking of the motorhome.

A camera mounted on the rear of the motorhome feeds a televised view of the rear of the motorhome to the Mercedes Sprinter radio located in the cab of the motorhome.

The image is only available when the motorhome is shifted to "REVERSE". When backing, parking is completed and the motorhome is shifted into "DRIVE/PARK" the monitor will turn off and the radio will return to the screen that was being shown prior to shifting to "REVERSE".

For more information on the rear view camera system, please refer to the Mercedes Sprinter Owners Manual provided in the Owners Information Package.

DASHBOARD COOLING/HEATING CONTROLS

The dash air conditioner/heating (Figure 123.2) is not designed to cool and heat the entire interior of the motorhome.

It is intended only to provide cooling/heating to the driver and passenger cab area. A small amount of air will will blow out through the dash vents and defrost vents regardless of the settings.

For more information on the dashboard cooling/heating system and controls, please refer to the Mercedes Sprinter Owners Manual provided in the Owners Information Package.



Figure 123.1
Mercedes Benz Sprinter Rear View Camera On In
Dash Radio



Figure 123.2
Mercedes Benz Sprinter Cooling/Heating Dashboard
Controls



ROUTINE MAINTENANCE

CHAPTER

17

ROUTINE MAINTENANCE



NOTICE: Damage caused by improperly performed maintenance or inadequate maintenance is not covered by your Tiffin Motorhomes limited warranty.

WASHING YOUR MOTORHOME

The paint on your Tiffin Wayfarer motorhome has a polyurethane base called Diamont. While multiple layers of clear coats sealants protect the paint against oxidation, the sealant must be protected from deterioration.

Paint manufacturers advise against using harsh cleaners such as Simple Green, Mr. Clean or liquid dish washing soaps. The degreasing agents in these cleaners leave a residue on the sealant, which will soften and damage the clear coat over time.

Baby shampoo provides an effective yet gentle cleaner. Without the typical heavy degreasers of most detergents, baby shampoo cleans without leaving a residue to gum up the clear coat finish. Usually one ounce (1 oz.) is all you need per five gallons of water. Add one cup of food grade distilled white vinegar to your wash bucket.

Tiffin Motorhomes recommends the lamb's wool pad sold by Mary Moppins or other wool pad manufacturers. This allows you to safely wash your coach from the ground by placing the pad on an extension rod.

Do not mistake lamb's wool with imitations. Imitation pads are made from 100% polyester, which is really plastic. Plastic imitations will scratch the finish of the motorhome. For this same reason avoid microfiber products to wash or dry your motorhome, furniture or cabinets. Microfiber is made from 80% polyester.

Avoid washing with brushes. Even though you may not see brush marks now, the damage will happen as the bristles wear down.

Use only 100% cotton towels to dry your vehicle. Adding vinegar to your wash water and washing in the morning or evening will help to prevent water spots. Water spots damage the exterior of your coach the same way they damage glass shower doors. They etch their way into the surface and removal becomes difficult. Prevention becomes the key.



Figure 125.1
Wayfarer Exterior

ROUTINE MAINTENANCE CONTINUED

WASHING CONTINUED

Wash one side at a time, rinse and then dry quickly using a squeegee followed by a towel placed over the cleaning head.

To remove oil and grease remember an important rule of cleaning; Give your product time to work. Dab a bit of concentrated cleaner like CleanEz by Mary Moppins or similar product - never use an orange based cleaner or one with petroleum distillates - onto a soft cloth. Apply to the oil spot and wait 10 to 15 minutes before rubbing lightly to remove the oil. Rinse immediately.

SEALS

The seals around the doors, windows, vents, slide-out trim and external seams should be checked at least semi-annually. Additionally, the roof seams should be inspected for cracking or peeling 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 Motorhomes dealer can perform resealing inspections and subsequent work for you. It is recommended that a Tiffin Motorhomes 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 the 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

ROUTINE MAINTENANCE CONTINUED

WHEEL CARE

The care and maintenance of your wheels are simple and require no special material or products. Simply follow the directions included in the Owners Information Package for these.

Timely care and cleaning will maintain the appearance of these wheel products for many years.



CAUTION: Do not use harsh detergents, acids or 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.

ROOF CARE AND MAINTENANCE

Proper care and maintenance of your motorhome 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 motorhome is fiberglass 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.



WARNING: Use extreme caution when working on the top of your motorhome. A wet roof will be extremely slippery and as such will create a serious safety hazard.

It is recommended that any roof maintenance including cleaning be performed by a qualified service technician.

ROUTINE MAINTENANCE CONTINUED

MOISTURE MANAGEMENT

This section outlines important recommendations to manage moisture in your motorhome to avoid moisture related damage such as mold. The materials and methods used to construct your motorhome 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 motorhome.

NOTE: These are only suggestions intended to minimize moisture related issues with your motorhome. If any concerns arise, contact Tiffin Motorhomes' Service Department at 205-487-4710.

INTERIOR CARE FOR YOUR MOTORHOME

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.

CONTROL RELATIVE HUMIDITY

Monitoring and controlling relative humidity within the motorhome is one of the most important steps to minimize the risk for moisture related damage. Ideally, relative humidity should be at 60% or less.

Relative humidity can be monitored utilizing a portable hygrometer, which is a small device that measures temperature and relative humidity.

Use exhaust fans, the air conditioner and/or a portable dehumidifier to manage moisture inside the motorhome to maintain relative humidity to 60% or less. In cold climates, relative humidity may need to be at 35% or less to avoid window condensation issues.

If the motorhome is used mostly during a hot and humid climate, it may be difficult to keep the relative humidity below 60%. A dehumidifier will help, but it is important to check the condensation (water) collection bucket regularly or discharge the condensation (water) directly to a drain.

ROUTINE MAINTENANCE CONTINUED

MOISTURE MANAGEMENT CONTINUED

AVOID DRASTIC THERMOSTAT SETBACKS

To minimize the opportunity for condensation to form on interior surfaces, maintain a comfortable temperature in your motorhome and avoid high-time setbacks of 10 degrees or more. Drastic setbacks that reduce the indoor air temperature quickly can increase the chance for airborne moisture to condense on cool surfaces such as windows.

If you are away from your motorhome for an extended number of days, it is recommended that you do not set the temperature back without taking other measures to manage relative humidity. This includes operating a dehumidifier with a continuous drain.

MANAGE WINDOW CONDENSATION

Window condensation issues can be identified by water or ice build up, usually at the base of the window. The majority of these problems can be addressed by managing moisture generated inside the motorhome.

Minor condensation issues are not unusual, especially for the motorhomes used in colder climates. To help minimize window condensation, use exhaust fans vented to the outside and avoid drastic changes in the thermostat settings.

Do not use vent free heaters and use window coverings wisely. For example, make sure to open curtains or blinds during the day to allow air to circulate and warm the window surfaces.

CARPET CARE AND MOISTURE MANAGEMENT

Carpeting should be cleaned when it shows signs of discoloration or traffic patterns. A steam cleaning system should be used to clean the carpet unless otherwise noted in your warranty information. To manage moisture from the cleaning process, the cleaning system need to be capable of extracting the excess water from the carpet after it has been cleaned.

IMPORTANT: *Be sure the carpet is thoroughly dried before closing up the motorhome for storage. Water from the cleaning process can cause significant damage to the motorhome if the carpet is not completely dry before closing up the motorhome for an extended period of time.*

CLEANING TILE

Most floors only require a mild detergent and warm water for cleaning. More water on the floor is not always better for cleaning. Use a damp cloth to clean on a regular basis rather than wet mopping each time.

ROUTINE MAINTENANCE CONTINUED

MOISTURE MANAGEMENT CONTINUED

STORAGE AND OTHER ISOLATED AREAS IN THE MOTORHOME

Storage areas are more difficult to condition since the areas are isolated from the main body of the motorhome. The surfaces of these areas are more at risk for condensation and surface mold growth.

To minimize this risk, clean storage areas regularly and allow an air space between stored items and the exterior wall to promote air circulation.

USE OF UN-VENTED COMBUSTION EQUIPMENT

Un-vented combustion equipment, such as propane stove-tops are a source of moisture within the motorhome. For every gallon of fuel consumed, approximately one gallon of water vapor is evaporated into the air. Whenever possible, operate an exhaust fan in combination with the use of any un-vented combustion appliance within the motorhome.

Water vapor and other combustion byproducts should be vented to the exterior of the motorhome. *The motorhome owner should strictly follow use and maintenance instructions for safe operation of any combustion equipment, particularly un-vented equipment.*

EXTERIOR CARE OF YOUR MOTORHOME

The exterior shell of the motorhome is the primary weather and moisture barrier. Over life of the the motorhome, the shell will require regular care and maintenance in accordance with other instructions for exterior care.

The shell includes the roof, sidewalls, windows, doors and under floor of the motorhome. Particular attention needs to be devoted to ensure these components are maintained to ensure a tight barrier against bulk water intrusion. The shell should be inspected periodically for tears, gaps and condition of sealants in accordance with this owners manual.

Areas that require maintenance should be resealed utilizing a similar, high quality sealant used by the manufacturer. Particular attention should be devoted to ensure the slide outs are functioning properly. Each time a slide out is used, it should be inspected to ensure proper operation and sealing. The slide out gaskets should also be inspected to ensure proper sealing when the slide out is operated.

ROUTINE MAINTENANCE CONTINUED

MOISTURE MANAGEMENT CONTINUED

USE OF YOUR MOTORHOME

It is important to remember that the square footage of a motorhome is significantly less than that of a single family residence. The fact alone will elevate the relative humidity because there is less volume of air to help absorb or dissipate the humidity.

For example, showering and cooking can create a lot of humidity in a small area. In these instances, use of an exhaust fan and opening windows should reduce the relative humidity, particularly when living in the motorhome for an extended period of time.

SEVERE ENVIRONMENTS

Prolonged use of your motorhome in severe environments (i.e., extremely cold or hot humid climates) will require extra care and maintenance to avoid moisture related issues.

In both extreme climate issues, more attention needs to be focused on controlling relative humidity within the motorhome. It also may require the use of a portable dehumidifier to manage relative humidity within an acceptable range.

STORAGE OF YOUR MOTORHOME

During those periods when your motorhome is not in use, care must be taken to ensure moisture sources are addressed. Ideal storage of your motorhome would be an enclosed climate controlled environment. When this is not possible, the following steps should be taken to ensure moisture is controlled:

- Turn off all water sources.
- Turn off all combustion appliances.
- Drain the water tank(s).
- Drain the water heater.
- Open all closets, cabinet doors and drawers.
- Close all windows and entrance doors.
- Open a vent or a window enough to allow for some limited ventilation air flow, but not so far as to allow weather elements to enter the motorhome.
- When storing the motorhome in high humidity climates, add a dehumidifier drained to the exterior of the motorhome to control humidity inside the motorhome during storage.
- Refer to other sections of this owners manual for additional recommendations.

ROUTINE MAINTENANCE CONTINUED

MOISTURE MANAGEMENT CONTINUED

MODIFICATIONS TO YOUR MOTORHOME

Consult Tiffin Motorhomes for guidance prior to making any modifications to your Wayfarer motorhome. It is important that changes be completed by a qualified service firm to ensure moisture intrusion or accumulation problems do not occur.

WET AREAS

Areas that are exposed to water spills or leaks should be dried as soon as possible and definitely within 24 to 48 hours. Drying areas quickly minimizes the chance for moisture damage and possible mold growth., which can begin to form colonies within 48 hours.

A variety of methods can be used to help the drying process:

- Remove excess water with an extraction vacuum.
- Use portable fans to move air across the surface.
- Because moisture is key to mold issues, treat all signs of condensation and spills seriously and deal with them promptly. Failure to deal with a moisture issue promptly may cause more severe issues where none initially existed, or may make a small problem much worse.
- Learn to recognize the signs of mold - don't paint over or cover up suspicious discoloration until you are sure it is not mold.
The affected surface must first be cleaned and dried; residual staining may be painted.
- Be sure to understand and eliminate the source of moisture accumulation as a part of the cleanup. Otherwise, the same issues will simply reoccur.
- Small amounts of mold should be cleaned as soon as it appears. Small areas of mold should be cleaned using a detergent/soapy solution or an appropriate motorhome household cleaner.
Gloves should be worn during cleaning. The cleaned area should then be thoroughly dried. Dispose of any sponges or rags used to clean mold.

ROUTINE MAINTENANCE CONTINUED

TIRE AND SAFETY INFORMATION

This portion of the Owners Manual contains tire safety information as required by 49 CFR 575.6. The National Traffic Safety Administration (NHTSA) can be contacted at 1-88-327-4236. Their website is <http://www.safercar.gov> and their address is: NHTSA, 400 Seventh Street S.W., Washington, D.C. 20590.

SECTION ONE

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 the NHTSA, free of charge from the following website: <http://www.nhtsa.dot.gov/cars/rules/TireSafety/ridesont/tiresindex.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 failures can include tread separation, blowouts and flat tires. These actions along with the following 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.

ROUTINE MAINTENANCE CONTINUED

TIRE AND SAFETY INFORMATION CONTINUED

SAFETY FIRST BASIC TIRE MAINTENANCE

Properly maintained tires improve the steering, stopping, traction and load carrying capability of your motorhome. 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 MOTORHOMES 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 motorhome 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 motorhome. 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 motorhome information placard expressed in kilopascals (kPa), which is the metric measure used internationally).

Motorhome manufacturers determine this number based on the motorhome's design load limit, that is the greatest amount of weight a motorhome can safely carry and the motorhome's tire size. The proper tire pressure for your motorhome 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.

ROUTINE MAINTENANCE CONTINUED

TIRE AND SAFETY INFORMATION CONTINUED

CHECKING TIRE PRESSURE

It is important to check your motorhomes 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. It can also lose air suddenly if you strike a curb when turning a corner or while parking.
- With radial tires, it is usually not possible to determine under inflation by doing a visual inspection. It is recommended that the owner purchase a tire pressure gauge to keep inside of your motorhome. Gauges can be purchased at tire dealerships, auto supply stores, RV parts departments 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 refer to outside temperatures. 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

- Step 1: Locate the recommended tire pressure on the motorhomes tire information placard, certification label or in the owners manual supplied with the Owners Information Package.
- Step 2: Record the tire pressure of all tires.
- Step 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 the correct pressure.
- Step 4: If the tire pressure is too low, note the difference between the measured tire pressure and the correct tire pressure. These "missing" pounds of pressure of air are what you will need to add.
- Step 5: At a service station, truck stop or tire dealership add the missing pounds of air pressure to each tire that is under inflated.
- Step 6: Check all 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 or air pressure).

ROUTINE MAINTENANCE CONTINUED

TIRE AND SAFETY INFORMATION CONTINUED

STEPS FOR MAINTAINING TIRE PRESSURE CONTINUED

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 motorhomes tire information placard or 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 manufacturers 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 tires 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 motorhomes original tires or another size recommended by the chassis manufacturer.

Look at the tire information placard, the owners 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 motorhome from slipping and sliding, especially when the road is wet or icy. In general, tires are not safe and should be replaced when the tread is worn down to 1/16 of an inch. Tires have built in tread wear indicators that let you know when it is time to replace your tires.

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

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

ROUTINE MAINTENANCE CONTINUED

TIRE AND SAFETY INFORMATION CONTINUED

TIRE BALANCE AND WHEEL ALIGNMENT

To avoid vibration or shaking of the motorhome 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 they are positioned correctly relative to the chassis' frame. This adjustment maximizes the life of your tires. These adjustments require special equipment and should be performed by a qualified technician.

TIRE ROTATION SEQUENCE

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 manufacturers owners manual for information on how frequently the tires on your motorhome 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 which surrounds the puncture hole. Punctures through the tread can be repaired if they are not too large, but any punctures to the sidewall should not be repaired.

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

TIRE ROTATION

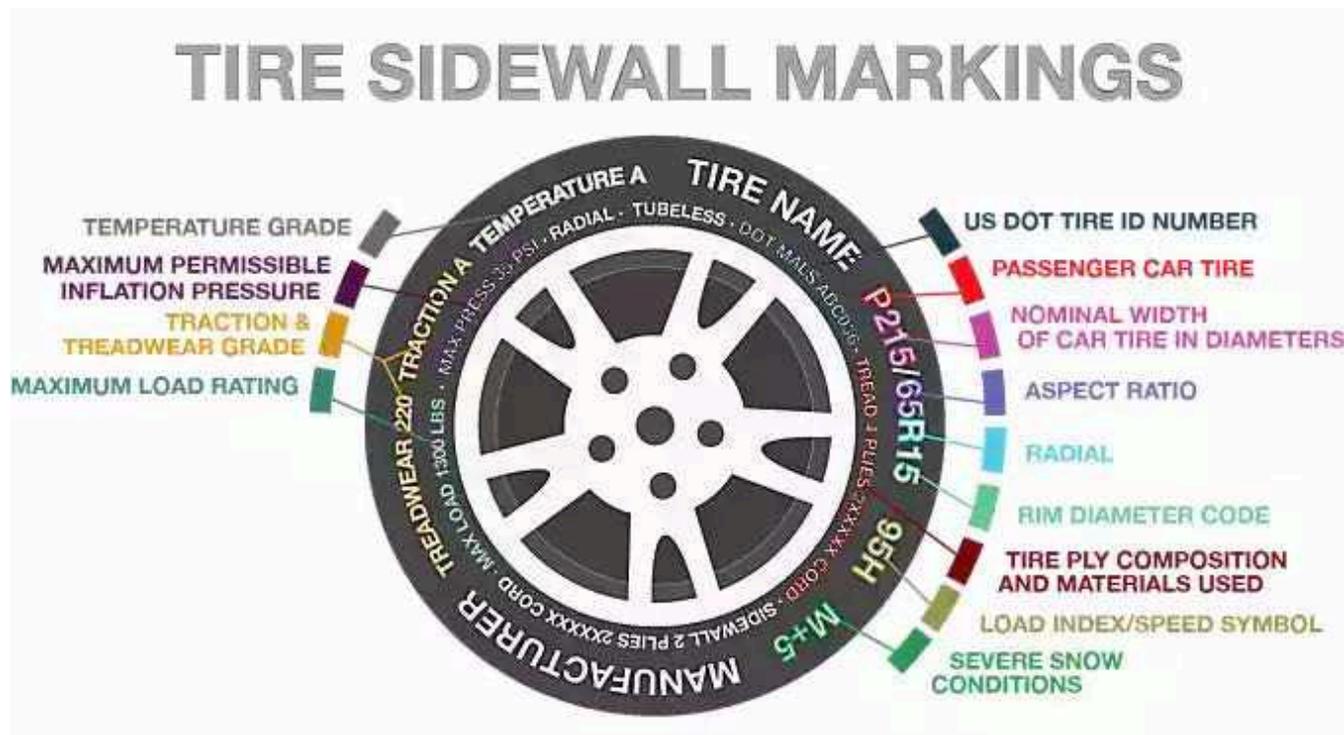
Please refer to the Mercedes Sprinter Owners Manual as well as the tire manufacturers information packet for recommended proper tire rotation sequences.

These items can be found in your Owners Information Package.

ROUTINE MAINTENANCE CONTINUED

TIRE AND SAFETY INFORMATION CONTINUED

INFORMATION ON PASSANGER MOTORHOME TIRES



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

For specific information regarding the tires on your motorhome, please refer to the tire manufacturers manual which is located in your Owners Information Package.

ROUTINE MAINTENANCE CONTINUED

TIRE AND SAFETY INFORMATION CONTINUED

VEHICLE LOAD LIMITS

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

The certification label will indicate the motorhomes 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 motorhomes, 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).***

For motorhomes, water and propane (LP) gas also need to be considered. The weight of the fully filled propane (LP) gas container is considered part of the weight of the motorhome before it is loaded with people or cargo and is not considered part of the disposable cargo load.

ROUTINE MAINTENANCE CONTINUED

TIRE AND SAFETY INFORMATION CONTINUED

CARGO CAPACITIES CONTINUED

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 motorhome 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 motorhome. This would include weights for the following: axles, wheels, hitch and total weight.

HOW OVERLOADING AFFECTS YOUR MOTORHOME AND TIRES

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

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

An overloaded motorhome is hard to drive and hard to stop. In cases of serious overloading, brakes can fail completely, particularly on steep hills. The load a tire will safely carry is a combination of the size of tire, its load range and corresponding inflation pressure.

Excessive loads and/or under inflation cause tire overloading and as a result, abnormal tire flexing occurs. This situation can generate an excessive amount of heat within the tire. Excessive heat may lead to tire wear and eventually tire failure.

ROUTINE MAINTENANCE CONTINUED

TIRE AND SAFETY INFORMATION CONTINUED

TIRE SAFETY TIPS

Preventing tire damage:

- Slow down if you have to go over a pothole or other object 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 owners manual for the maximum recommended load for the motorhome.

SECTION TWO

STEPS FOR DETERMINING CORRECT LOAD LIMIT

1. Locate the statement "The combined weight of occupants and cargo should never exceed XXX lbs" on your motorhomes placard.
2. Determine the combined weight of the driver and passengers that will be riding in the motorhome.
3. Subtract the combined weight of the driver and passengers from XXX kilograms or XXX pounds.
4. The resulting figure equals the available amount of cargo and luggage capacity. For example, if the "XXX" equals 1,400 lbs. and there will be five 150 lb. passengers in your motorhome, the amount of available cargo and luggage capacity is 650 lbs. $(1400 - 750 (5 \times 150) = 650 \text{ lbs})$.
5. Determine the combined weight of luggage and cargo being loaded into the motorhome. That weight may not safely exceed the available cargo and luggage capacity calculated in Step #4.
6. If your motorhome will be towing a trailer, tow vehicle etc., that load will be transferred to your motorhome. Consult this section to determine how this reduces the available cargo and luggage capacity of your motorhome.

ROUTINE MAINTENANCE CONTINUED

TIRE SAFETY INFORMATION CONTINUED

TIRE PRESSURE

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

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 motorhome, rapid and/or irregular tire wear and an increase in rolling resistance of the motorhome 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 motorhome.

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 motorhome is critically important and must be a part of regular motorhome maintenance.

TIRE MAXIMUM LOAD RATING

Federal law requires that the maximum load rating be molded into the sidewall of the tire. If you look at a tire sidewall, you may see some "typical" information such as:

Max. Load Single 2,880 Lbs. at 61 PSI cold

Max Load Dual 2,470 Lbs. at 61 PSI cold

The maximum load allowed for the size tire and load rating and the minimum cold air inflation pressure needed to carry that stated maximum load are noted on the tire. Using less air pressure would reduce the load carrying capacity of the tire.

The amount of air pressure you need depends on the weight of the fully loaded motorhome. You cannot determine the correct air inflation pressure, unless you know the actual weights of the motorhome.

ROUTINE MAINTENANCE CONTINUED

TIRE SAFETY INFORMATION CONTINUED

WEIGHING THE MOTORHOME

Earlier in **Chapter 1**, the procedures for weighing your motorhome were presented. These procedures provided the weighing of a "non-loaded" (i.e., not stocked with the possessions and provisions the user would normally have on board for travel) motorhome.

Obviously any additional weight stored on board (inside and underneath) the motorhome will contribute to the overall weight of the motorhome. If not stored uniformly throughout the motorhome, additional weight of the possessions and provisions of the motorhome user will load each axle and each tire differently (front to rear and side to side distribution of that additional weight).

Accordingly it is necessary to weigh the motorhome fully loaded as the user would have it for travel. Moreover, it is necessary to weigh each tire position individually.

Overloading the motorhome can produce problems with the tires, wheels, springs, brakes, drive train and other motorhome assemblies. In addition, an overloaded motorhome uses more fuel, is more difficult to handle properly and can lead to driver fatigue quicker than normal.

In a worst case condition, if any component should fail, this could result in loss of control of the motorhome and subsequent damage and possible injury to driver and passengers.

In certain states, the Highway Patrol routinely weighs motorhomes to check for overloaded axle weights. Therefore, there are many good reasons for assuring that the motorhome is properly loaded and not overloaded - this can be accomplished through a proper weighing of the the fully loaded motorhome.

ROUTINE MAINTENANCE CONTINUED

TIRE SAFETY INFORMATION CONTINUED

FREQUENCY OF CHECKING TIRE INFLATION PRESSURES

When you have determined the "correct" tire inflation pressures for each of the motorhome 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.

ROUTINE MAINTENANCE CONTINUED

TIRE SAFETY INFORMATION CONTINUED

FREQUENCY OF CHECKING TIRE INFLATION PRESSURES CONTINUED

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 motorhome should wear in a smooth and even pattern.

If the tires begin to show irregular wear patterns and the motorhome 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 (Power Glide) 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.

ROUTINE MAINTENANCE CONTINUED

INTERIOR CARE



NOTICE: The fading of upholstery, carpet and other interior fabrics is generally caused by excessive sunlight. The drapes, blinds and other shades should be kept closed when the motorhome is parked for an extended period of time.

Doing so should minimize the fading of these fabrics. Normal deterioration of the appearance of such items caused by wear and/or exposure to strong lighting is not covered by the Tiffin Motorhomes Limited Warranty.

CARPET

A weekly routine of vacuuming the carpet and fabrics throughout the vehicle is recommended.

FABRICS

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

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

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

Spills, spots or stains should be treated as soon as possible to avoid permanent damage to the fabrics. If a spill occurs, blot the fluid with a dry towel, do not rub the spill as rubbing may cause the liquid to "set" in the fabric and cause a stain.

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

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

ROUTINE MAINTENANCE CONTINUED

INTERIOR CARE CONTINUED



WARNING: When cleaning the upholstery and fabric of your motorhome, do not use lacquer thinner, nail polish remover, laundry soaps or bleach.

NEVER use carbon tetrachloride or gasoline for cleaning purposes. These substances may cause damage to the materials being cleaned and most are highly flammable.

WALLS AND CEILINGS

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 motorhome 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 luke warm 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 boiling water, strong solvents or other such materials to clean the dashboard as they will soften the plastic.

WOODWORK AND 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.

ROUTINE MAINTENANCE CONTINUED

WOODWORK AND FLOORS CONTINUED

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 manufacturers information sheet in your Tiffin Motorhomes Owner Information Package.

COUNTERTOPS

To care properly for the countertops in your motorhome, 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 Motorhomes to identify seam locations to avoid them during subsequent use of the motorhome.

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.

Avoid using harsh chemicals on the countertop. Wipe the countertop with a damp cloth to remove water spots. For most dirt and stains, wipe with a damp cloth and soapy water or ammonia based cleaners (e.g., Windex).

If a stain doesn't respond to soap and water, for a matte finish apply an abrasive cleanser and buff it with a Scotch-Brite pad using a circular motion. Use the same technique in the case of a cigarette burn. If the finish is a gloss finish, please contact the dealer for specific cleaning instructions.

ROUTINE MAINTENANCE CONTINUED

COUNTERTOPS CONTINUED

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.

In the event of subsequent staining or spotting, sand the affected surface lightly with fine sandpaper (400 grit or finer), then buff in a circular motion with a Scotch-Brite pad.

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/LP 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 motorhome is a nine volt, battery operated detector.

The CO/LP 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 on and of the detectors, 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 motorhome and batteries in other appliances which may be in the motorhome during travels.

ROUTINE MAINTENANCE CONTINUED

CONDENSATION

Damage may occur to your motorhome if excessive condensation exists. Accumulation of condensation on surfaces within your motorhome occurs when warm moist air contacts a cool surface.

It is most evident on the inside of windows, but the problem can be controlled by:

1. Slightly opening a window or roof vent to allow the moisture to escape for the motorhome.
2. A small dehumidifier is also very effective in removing moisture from the air.



NOTICE: Since surface condensation within the motorhome cannot be controlled by the manufacturer, damage caused by condensation is not covered by the Tiffin Motorhomes Limited Warranty.

ROUTINE MAINTENANCE SCHEDULES

All routine maintenance is the responsibility of the motorhome owner and is not covered by the Tiffin Motorhomes Limited Warranty. Use the maintenance and data chart record found in Chapter 18 to record all performed maintenance as required.

Please note that any damage caused by improper or unperformed maintenance is not covered by the Tiffin 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: Always follow the chassis maintenance guidelines found in the chassis manufacturers owners manual. As noted prior, this manual is located in your 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.

ROUTINE MAINTENANCE CONTINUED

ROUTINE MAINTENANCE SCHEDULES CONTINUED



MONTHLY MAINTENANCE SCHEDULE

- Check the motorhome batteries. Check to make sure there is no damage to the casings, the connections are secure and no foreign objects have entered the housing.



EVERY THREE MONTHS

- Check propane (LP) gas lines for leaks with soap solution or leak detector.
- Test smoke alarm and carbon monoxide/LP gas detector.
- Check operation of windows, latches and hinges.
- Clean the roof ducted air conditioner filter(s).
- 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 battery housing.



EVERY SIX MONTHS

- Inspect the slide out(s) for proper seals. If realignment is necessary, please contact an authorized Tiffin Motorhomes Center.
- Inspect the exterior rubber slide out seals and apply an UV inhibitor, such as 303 Protectant.
- Change the battery in the smoke detector.
- Rotate tires as recommended by the tire manufacturer.
- Check all gas appliances for proper operation.
- Have the propane (LP) gas system inspected by a qualified technician.
- Lubricate the movable parts on the entrance step.
- Change the smoke detector(s) batteries.

ROUTINE MAINTENANCE CONTINUED

ROUTINE MAINTENANCE SCHEDULES CONTINUED



ANNUAL MAINTENANCE SCHEDULE

- Inspection 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 Motorhomes Limited Warranty.
- Sanitize the fresh water 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, perform the following instructions:

1. Drain all the water from the water system including the holding tank(s), the water heater and fresh water tank. Also drain the water filter. For the holding tank(s), open the gate valve(s) to drain the tanks. Turn off the water heater before draining to prevent burning the element out.

(NOTE: This procedure is to be performed only at a waste water pumping station to prevent dumping of contaminated water elsewhere).

For the water heater, remove the outer cover and then remove the drain plug. When this tank is drained, replace the drain plug and then replace the cover. For the water tank, open the water tank drain located at the rear of the motorhome. When empty close the valve. Remove the filter cartridge from the water filter and store it in a clean environment. Empty any excess water from the filter housing and replace the housing.

2. At the sewer board turn the blue handle to the sanitize/winterize position.
3. Connect a vinyl hose to the inlet valve on the sewer board and place the other end of the hose into a gallon of fresh water system antifreeze.
(NOTE: DO NOT use automotive antifreeze; use only antifreeze approved for RV applications. Otherwise, damage to the systems being protected may result.)
4. 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 flow through the piping. Let about one cup drop into the drains to protect the P-TRAPS.
5. When all of the antifreeze is withdrawn from the bottle, disconnect the vinyl hose from the inlet valve on the sewer board. (This procedure may require more than one gallon of antifreeze).
6. When the winterizing process is completed, turn the water pump "OFF" and store the vinyl hose for future use. (NOTE: DO NOT use the vinyl hose that was used in the winterizing process when connecting your motorhome to a city water outlet or for filling the fresh water tank.

ROUTINE MAINTENANCE CONTINUED

DE-WINTERIZING

1. To de-winterize your motorhome, open all of the low point drains to allow the antifreeze solution to drain from the water system.
2. Next, close the low point drains and connect your vehicle to the city water system. Put water into the fresh water tank and pump at least one gallon of water through the water pump to remove the antifreeze from the water pump. Keep the water heater in the bypass mode.
3. As in the winterizing process, open the kitchen and bath faucets, inside and outside showers, turning "ON" both the hot and cold water valves and flushing the toilet until the antifreeze solution is flushed out of the system and the water flow is clear.
4. Once the system has been flushed, open the water heater bypass valve. Open the freshwater tank supply valve from the pump and the ice maker valve.
5. Reinstall the water filter. Fill the water heater and hot water lines before turning the water heater on.
6. Be sure to close the fresh water tank drain valves to allow the tank to fill.

MERCEDES MAINTENANCE SCHEDULE

Your Sprinter is equipped with the Active Service System (AASYST). The maintenance computer tracks distance driven and time elapsed since your last service. The service is shown in the multifunction display in the instrument cluster.

The multi function display shows a message approximately one month before the maintenance service is due. It indicates when the next service is due in miles or days.

The symbols or letters on the service display shows the type of service that is due.



A - Oil Service Plus



B - Maintenance Service

Services are carried out in a series defined as A - B. The first oil service plus (SERVICE A) is due after 20,000 miles. The first maintenance service (SERVICE B) is due after 40,000 miles.

ROUTINE MAINTENANCE CONTINUED

MERCEDES MAINTENANCE SCHEDULE CONTINUED

SERVICE DUE DATE DISPLAY

One of the following messages appears:



Service A: Due inDays



Service A: Due inMiles



Service A; Due now

SERVICE DUE DATE HAS BEEN EXCEEDED

A qualified specialist workshop, (e.g., an authorized Sprinter Dealer) resets the service display during the service appointment.

If the service due date has been exceeded, one of the following messages will appear in the display:



Service A: Exceeded by days



Service A; Exceeded by miles

Additionally, a warning tone sounds.

Any additional information can be found in the Mercedes Maintenance Booklet found in the Sprinter Owner's Manual package.



MAINTENANCE & DATA CHART

CHAPTER

18



TIFFIN

MOTORHOMES

WAYFARER

TIFFIN MOTORHOMES INC.

625 Fawn Grove Road | Winfield, Alabama 35594

205-487-4710