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# Coachmen



# COACHMEN RV RECREATIONAL VEHICLES

Camping Trailers Owner's Manual



**Coachmen**<sup>®</sup>  
Recreational Vehicles

Welcome to our growing family of RV owners. Hours of relaxation, adventure and enjoyment await you in your new Clipper. Thousands of Clipper owners have been enjoying their units for many years.

This Owner's Manual has been prepared to help you and your family enjoy your new Clipper to its fullest by providing basic instructions for the operation and maintenance of its appliances, accessories and RV systems. Please read it carefully and follow the instructions. Also read and follow the instructions contained in the appliance and accessory manufacturers' instruction booklets provided as part of the "Clipper Information Packet."

If you have any questions regarding operation, maintenance or service, please contact your Clipper dealer so he can assist you. Your satisfaction is of the utmost importance to your dealer and to Viking Recreational Vehicles.

Operation and maintenance instructions, regarding appliances in this manual were obtained from manufacturer's booklets and are used with the permission of those various manufacturers. Viking Recreational Vehicles reserves the right to present edited portions of these materials.

Viking Recreational Vehicles works year 'round to improve its products. As a result, all specifications, equipment and prices quoted in our literature are subject to change without notice or obligation to the consumer.

Thank you for selecting our product.

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 **A SYMBOL WHICH MEANS BE ALERT!  
YOUR SAFETY IS INVOLVED!**

## INTRODUCTION

Congratulations on the purchase of your new RV. We sincerely thank you for choosing our product. To help you enjoy your new RV, you'll find in this owner's manual many useful tips for camping trips as well as basic operation and maintenance information for your RV's systems and appliances.

**TRY A SHORT TRIP FIRST.** The experience you'll gain from this will help make your future RVing more enjoyable.

To complement the standard and optional equipment you've chosen for your unit, there are many other accessories available. You may wish to use your unit several times before you invest in these accessories. What may be a necessity for one RVer could prove to be of no value to you. Remember, your dealer is always ready to help and advise you.

We go into great detail in this manual and for good reason. If you are a first-timer, we want you to learn to operate your RV correctly, to be able to use its components, appliances and any optional equipment in the most efficient manner.

At first glance, you may be overwhelmed by all the detail. But after you've used your new RV a couple of times, you'll be able to perform all the checks, start-ups and systems in much less time than it takes to read our instructions.

If you're a veteran RVer, you know that things change and a quick review of this manual will bring you up-to-date on what's new.

So read on. Happy camping!

**NOTE:** *Because of the variety of models we offer, your RV may not have all of the components illustrated or described in this owner's manual. Ask your dealer for details concerning the specifics of your unit.*

Your camping trailer is designed to provide temporary shelter. Its systems and materials are meant to provide reasonable comforts in reasonable environments. Extremes in usage such as prolonged and continuous exposure to the elements while set up, overloading, traveling over severe terrain, or other misuses will overtax the camper, its materials and its overall design. The failure to perform regular maintenance such as gentle cleaning, lubrication, proper tire inflation, and LP systems maintenance will reduce the proper performance of your camper.

### **WARNING!**

**READ THIS MANUAL CAREFULLY BEFORE YOU TAKE YOUR FIRST TRIP  
READ WARNINGS ON LP GAS SYSTEMS PAGE**

# OUR WARRANTY

## GENERAL

Your new recreational vehicle is backed by our position as an industry leader, achieved through decades of experience in producing RV's noted for their quality and dependability. Our one-year warranty demonstrates our confidence in our products and is a commitment to customers' continued satisfaction.

Every effort has been made to provide you with a safe, dependable recreational vehicle. Your RV complies with applicable federal and state regulations and the requirements of ANSI A119.2, the nationally recognized "Standard for Recreational Vehicles - Installation of Plumbing, Heating and Electrical Systems." The Recreation Vehicle Industry Association (RVIA) periodically inspects our production and assists in maintaining strict compliance with installation and safety standards for those systems. Similar periodic inspections of the systems are made by representatives of various states. You, the owner, must perform periodic inspections of the systems and provide a program of preventive maintenance as described in the Owner's Manual and instruction booklets.

## WARRANTY SERVICE

We recommend that warranty service be performed by the authorized dealer from whom you purchased your RV because of the dealer's continued and personal interest in your satisfaction. But if you are traveling or in the event that you move, service under the warranty will be performed by any of our authorized dealers. Whenever possible, make an appointment to avoid unnecessary delays.

If you cannot locate an authorized dealer, contact our Service Department at 1-800-239-6157 or 269-467-6321.

## WARRANTY PERIOD

The warranty period shall be for 12 months and begin on the date the new recreational vehicle is delivered to the retail purchaser, or the first in-service date, whichever is first.

## WHO IS COVERED

The first retail purchaser, provided terms of the warranty are met.

## WHAT IS COVERED

The Manufacturer warrants to owners that an authorized dealer or Service Center will make repairs made necessary by defects in material or workmanship during the warranty period. Such repairs will be made without charge for parts and labor to the owner.

## WHAT IS NOT COVERED

Our warranty does not cover the tires, tubes, repairs or adjustments required because of neglect, accident, misuse, failure to follow service and use instructions, normal wear and/or exposure, unauthorized repairs or modifications to any part of the systems or body that might cause defective performance.

Your new recreational vehicle is designed as a temporary living quarters for recreational camping, travel or seasonal use and not as a permanent dwelling place. Usage as a permanent accommodation is breach of warranty and we are not liable for any damage that results because of such misuse.

The manufacturer does not assume responsibility for loss of use of the recreational vehicle, loss of time, inconvenience or expenses due to equipment failures (refer to the warranty statement for other exclusions and limitations).

## OTHER WARRANTIES

Be certain to complete and submit to the appropriate manufacturers the warranty forms for tires, which are not covered by our one-year warranty. If service or parts are required for these products, refer to the furnished list of factory-authorized service centers. If the list is not available, write or call the manufacturer concerned to obtain the location of the nearest authorized service center.

## OWNER RELATIONS

Owner satisfaction and good will are of primary concern to us. We recognize that our continued success as a leading manufacturer of recreational vehicles depends upon your complete confidence in our products and service. A pleasant and effective relationship through our dealers is as important as maintaining the technical excellence of our product. Your authorized dealer will assist you in providing service, maintenance, selection of options and instructions concerning the operation of your recreational vehicle.

Occasionally, a warranty or service matter may not be handled to your satisfaction. Often it is the result of a misunderstanding and can be resolved at the dealer level. Discuss the situation with the dealership management. If you cannot find satisfaction at the dealer level, we invite you to contact our Service Department, where we will make every effort possible to provide an agreeable solution. In most instances, we will eventually refer you back to the local dealer with our recommendations.

## SERIAL NUMBER, DECALS AND DATA PLATES

The camping trailer serial number label is mounted on the front road side of the camper and stamped into top of "A-Frame."

## IMPORTANT

Always give model, year and serial number information when ordering parts. Also VIKING recommends that you keep a copy of this information separate from the camper in the event theft or vandalism requires you to supply a copy to the authorities.

Decals and date plates used throughout the camper aid in its safe and efficient operation; others give service instructions. Read all decals, data and instruction plates before using your new camper. When any decal, data or instruction plate is damaged, painted over, removed, etc.; it should be replaced.

## MANUFACTURER'S WARRANTIES

The following list of manufacturers has been compiled to help you know which products on your camping trailer may have their own warranties. If you have any of these components on your camping trailer, be sure to check the literature supplied by the manufacturer to see if they require that you register your purchase with them to validate their warranty. These warranties usually apply only to the first owner of the camping trailer. VIKING recommends that you send the various warranty registration cards immediately before any time constraints on registration expire. Manufacturer's literature is contained in a separate packet furnished with the owner's manual on newly delivered units. Only those products and options which are on your camper will be included in this packet. You should go over this literature with your dealer during the pre-delivery inspection. Any shortages of literature should be reported to dealer at that time.

## SAFETY

**THE SAFETY ALERT SYMBOL IS USED THROUGHOUT THIS MANUAL TO CALL ATTENTION TO WARNINGS WHERE VEHICLE DAMAGE OR POSSIBLE PERSONAL INJURY MAY BE INVOLVED.**

## APPLIANCES

Range ..... Suburban  
Refrigerator..... Dometic

## ELECTRICAL

110V / 12V Converter ..... WFCO

## WATER & DRAINAGE

Water Heater..... Suburban  
Toilet..... Thetford

## LP GAS

Regulator ..... Fairview  
Furnace ..... Suburban

## MISCELLANEOUS

Axle ..... AL-KO  
Tires / Wheels ..... Americana Tire

## LIFT SYSTEMS

..... Goshen Stamping

## **⚠ WARNING!**

### **SAFETY REGULATIONS REGARDING LP GAS SYSTEMS AND LP GAS APPLIANCES**

The manufacturer of this recreational vehicle is required to furnish the following consumer information as provided by the National Fire Prevention Association and the American National Standards Institute. The information and warnings found here may also be found in other sections of this Owner's Manual. Please see sections titled "Liquid Petroleum Gas System" and "Appliances" for other safety and operating information.

## **⚠ WARNING!**

**LP gas containers shall not be placed or stored inside the vehicle. LP gas containers are equipped with safety devices which relieve excessive pressure by discharging gas to the atmosphere.**

## **⚠ WARNING!**

**It is not safe to use cooking appliances for comfort heating. Cooking appliances need fresh air for safe operation. Before operation:**

- 1. Open overhead vent or**
- 2. Open window**

**This Warning Label has been located in the cooking area to remind you to provide an adequate supply of fresh air for combustion. Unlike homes, the amount of oxygen supply is limited due to the size of the recreational vehicle, and proper ventilation when using the cooking appliance(s) will avoid dangers of asphyxiation. It is especially important that cooking appliances not be used for comfort heating as the danger of asphyxiation is greater when the appliance is used for long periods of time.**

## **⚠ WARNING!**

**Portable fuel-burning equipment, including wood and charcoal grills and stoves, shall not be used inside this recreational vehicle. The use of this equipment inside the recreational vehicle may cause fires or asphyxiation.**

## **⚠ WARNING!**

**Do not bring or store LP gas containers, gasoline, or other flammable liquids inside the vehicle because a fire or explosion may result.**

A warning label has been located near the LP gas container. This label reads:

**DO NOT FILL CONTAINER(S) TO MORE THAN 80 PERCENT OF CAPACITY.**

Overfilling the LP gas container can result in uncontrolled gas flow which can cause fire or explosion. A properly filled container will contain approximately 80 percent of its volume as liquid LP gas.

The following label has been placed in the vehicle near the range area:

### **IF YOU SMELL GAS:**

1. Extinguish any open flames, pilot lights and all smoking materials.
2. Do not touch electrical switches.
3. Shut off the gas supply at the tank valve(s) or gas supply connection.
4. Open doors and other ventilating openings.
5. Leave the area until odor clears.
6. Have the gas system checked and leakage source corrected before using again.

LP gas regulators must always be installed with the diaphragm vent facing downward. Regulators that are not in compartments have been equipped with a protective cover. Make sure that regulator vent faces downward and the cover is kept in place to minimize vent blockage which could result in excessive gas pressure causing fire or explosion.

# TOWING HOOKUP

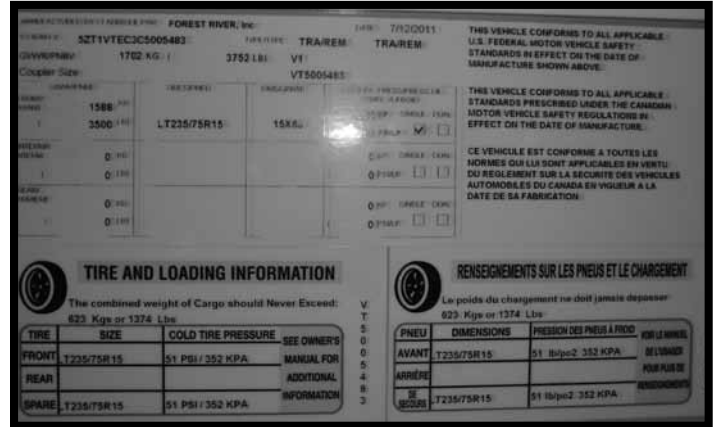
## COUPLER

Release and lift the coupler lever (as shown below). Crank the jack counter-clockwise to lower the coupler onto the hitch ball. Be certain that the coupler is fully seated on the hitch ball. Finish the connection by pushing the coupler lever down until it latches securely. (Required, an RV safety pin at minimum.)



## HITCH BALL HEIGHT

When the loaded trailer is hitched to the tow vehicle, check the hitch ball height. It can be determined by measuring from the top of the curved portion of the coupler to the ground. A high hitch will transfer the weight behind the axle, causing the unit to fishtail. A low hitch will transfer additional weight to the hitch.



## FEDERAL STICKER

Found on the road side of your camping trailer, the Federal Sticker lists the Viking Serial Number, the Gross Axle Weight Rating (GAWR) and the Gross Vehicle Weight Rating (GVWR). Your tow vehicle also will have a Federal sticker. The ratings are for the specific rim and tire sizes, which are listed.

## TRAILER WEIGHT INFORMATION

Model \_\_\_\_\_

Hitch Wt. \_\_\_\_\_

Base Wt. \_\_\_\_\_

Carrying Capacity \_\_\_\_\_

## SAFETY CHAINS

Attach safety chains on unit to tow vehicle by connecting the driver's side chain, the passenger's side chain mount and the passenger's side chain to the driver's side chain mount creating an "X" shape. Chains should be below "A" frame of camper. Safety chains shall not be touching the ground. If necessary crossing the safety chains several times may be necessary.

## ELECTRICAL CONNECTION

Plug the tow vehicle's electrical harness into the camper's pigtail connection. Leave enough slack in the chains and pigtail to permit the unit to turn freely.

## LOAD LIMITS & WEIGHT DISTRIBUTION

Your camper has been designed to carry loads within specified limits. Exceeding these limits will greatly effect handling, safety, and can cause damage to camper components. Load limit and weight distribution terminology is as follows:

**Gross Vehicle Weight Rating (GVWR)** - This is the total designed weight rating of the camping trailer. It includes everything



that combines to give the camper its total weight when traveling. Included are the weight of the camper, all appliances and conveniences, water, LP fuel, and all personal belongings and gear stored both inside and outside. This value must never be exceeded.

**Hitch Weight** - This is the weight of the tongue as it bears down on the hitch of the towing vehicle. Hitch weight should be determined with the camper as it would be fully loaded for travel. For stable towing at highway speeds, this weight must be a minimum of 10% and a maximum of 15% of the gross vehicle weight.

**Base Weight (UWV)** - This is the weight of the camper as equipped with options. For our purpose, the unloaded vehicle weight is the weight of the unit with maximum options.

**Carrying Capacity** - This is the maximum weight of all personal belongings, food, fresh water, LP gas, tools, dealer installed accessories, etc., that can be carried by this trailer. (NCC is equal to or less than GVWR minus UWV).

This trailer is capable of carrying up to \_\_\_\_\_ gallons of fresh water (including water heater) for a total of \_\_\_\_\_ pounds. Reference: Weight of fresh water is 8.33 lbs./gal.; Weight of LP gas is 4.5 lbs./gal. (average).

## **⚠ WARNING!**

**Exceeding the weight ratings of the camper can create a serious safety hazard. Check the weight of your camper frequently as it would be loaded for travel. Remember to take the weight of all liquids into consideration. Also, make sure that the weight is distributed evenly.**

Once you become familiar with loading your camping trailer and know how to distribute the weight and which items you normally carry, make a list and diagram you can use for future reference. Plan your loading and storage so that emergency items are easily accessed. Place heavier or breakable items on the camper floor for greater load stability. Make sure these items are well packed and secured to prevent movement. Take extra care not to overload the front and rear ends of the camper.

Make sure to use packing material around breakable items such as plates and glasses in cupboards if you will be towing over rough roads or terrain. It is a good idea to use non-skid materials under heavier items to help prevent shifting.

Most new camping trailer owners tend to carry more supplies than they really need. It is important to remember that each item added brings with it the extra weight to tow and distribute.

## **⚠ WARNING!**

**DO NOT store LP gas containers, gasoline, or other flammable liquids inside the camper because a fire or explosion may result.**

## **⚠ WARNING!**

**CAUTION: Extending the rear bumper or adding rear supports to carry toolboxes, bikes, motorcycles or other heavy equipment may seriously overload the trailer brakes, axle, wheels and tires. In addition, rear-end load reduces the hitch weight and can cause severe fishtailing. NEVER EXCEED THE GAWR FOR YOUR UNIT. NEVER TOW WITH LESS THAN 10% OF THE TRAILER GROSS WEIGHT ON THE HITCH.**

## **TOW VEHICLE SELECTION**

– See your vehicle owner's manual.

## **LOAD CARRYING HITCH REQUIREMENTS**

Your camping trailer fits a 2" or 2-5/16" hitch ball. Ask your Viking dealer about the proper Class of load-carrying hitch to use. The selection of the hitch is important since it affects towing and handling characteristics. Read the information supplied by the hitch manufacturer to achieve best possible performance.

**NOTE:** *Installation of a Weight-Distributing (Load-Equalizing) Hitch is NOT recommended on any vehicle towing a camping trailer. Any Class 2 or 3 load equalizing hitch IS NOT approved.*

## **BRAKE CONTROL**

The electric brake controller, required on models with electric brakes only, automatically activates the brakes on your camper when the tow vehicle's brakes are applied. It provides braking effort directly proportional to the braking action of the tow vehicle.

This is an item that must be purchased additionally as it is not supplied with the camper from the manufacturer or automatically supplied by your dealer at the time of purchase. There are several models to choose from including those that install in your towing vehicle and those that may be installed on the A-frame of the camper.

If you are not familiar with them, please contact your dealer for assistance in choosing the correct one to meet your specific needs. Units equipped with safety break-a-way switch require auxiliary battery mounted to trailer with wiring to activate upon trailer break-a-way. Refer to your Tow Vehicle Owner's Manual for additional towing/braking instructions.

## LICENSES

Vehicle licensing laws vary from state-to-state. Check with your license bureau or nearest branch office for the requirements in your state.

## INSURANCE

Personal liability, property damage, collision and theft of contents may be features of your automobile policy which apply to your Viking unit. Contact your insurance agent about details of your coverage.

## DRIVING

– See your vehicle's owner's manual.

## UNHITCHING AND LEVELING

1. Select a level campsite, preferably one without low hanging branches that could damage your camping trailer's top.
2. Position camping trailer for most desirable use of campsite.
3. Unplug car-end wire harness from socket on trailer A-frame, unhook safety chain from tow vehicle, unlatch coupler.
4. Rotate tongue jack clockwise to raise tongue just enough to disengage vehicle hitch ball.
5. Move the tow vehicle or trailer to allow access to the front of the trailer to complete the setup.
6. Rotate jack handle clockwise until camper is level from front to rear. \*See Annex A for maintenance.
7. Remove crank handle from unit and place socket end on the end of the jack and extend jack until it firmly contacts the ground. Several pieces of 6 x 6 x ½ (or thicker) plywood are recommended as part of your camping gear. In some cases it may be necessary to place more than one piece of plywood under jack foot for added stability.



## ROOF EXTENSION AND RETRACTION

1. Unlatch roof latches located at each corner of unit (4 total).

### **⚠ WARNING!**

**Lift system damage will result if operation of lift system occurs without total release of all latches.**

2. Remove the crank handle from storage position and insert crank into the winch located on the front A-frame of the unit.
3. Turn the crank clockwise to raise the roof and counter-clockwise to lower.
4. Raise roof until GREEN gauge cable located near front door side lifter arm is taut. **(Do not over crank roof lift system as damage to system may result.)**
5. Install Safety Channels (2) one per side of camper locating them diagonally.

**NOTE: BE SURE TO REMOVE THE SAFETY CHANNELS PRIOR TO LOWERING THE ROOF ASSEMBLY!**

6. To retract roof reverse steps 1-5 above.

## BED PLATFORM SET-UP “GLIDE-N-LOCK BED SYSTEM” (All Models Except 806)

1. Pull out beds using strap located at the center of each bed platform until both sides of bed lock in place. At near full extension pull upward as well as outward.
2. Zip tent sides closed at all four zippers located behind lifter arms.
3. Install inner bed flaps starting from the camper body and working outward to bottom of bunk platforms using attached Velcro fastener.
4. Raise bed platform rain flap and wrap inner flap around bed corners and lower rain flap over inner flaps at corners.
5. Install shock cord by hooking detached end to eyelet opposite fixed end. Repeat for opposite end.
6. Locate bed tension rafter poles (usually stored under respective mattresses).
7. Insert tension rafter into bed bow extension (red cap located on end).
8. Push tension rafter and bed bow upward and outward and lock inner end of tension rafter into roof bracket when tent top is taut. Repeat for other bed.
9. Install lifter arm covers by attaching Velcro located on opposite side lifter arm.
10. For bed platform disassembly reverse steps 1-9 above.



## BED PLATFORM SET-UP 806 MODELS

1. Remove the four bed support poles from inside unit and place near the front and rear of unit.
2. Pull out bed using strap located at the center of each bed platform.
3. Insert flat end of support poles into unit frame first then swing upward and install on support plates located on the underside of bed platform. Slight lifting on bunk end will be required to complete install. (Repeat steps 1-3 for remaining bed platform.)
4. Zip tent sides closed at all four zippers located behind lifter arms.
5. Install inner bed flaps starting from the camper body and working outward to bottom of bunk platforms using attached Velcro fastener.
6. Raise bed platform rain flap and wrap inner flap around bed corners and lower rain flap over inner flaps at corners.
7. Install shock cord by hooking detached end to eyelet opposite fixed end. Repeat for opposite end.
8. Locate bed tension rafter poles (usually stored under respective mattresses).
9. Insert tension rafter into bed bow extension (red cap located on end).
10. Push tension rafter and bed bow upward and outward and lock inner end of tension rafter into roof bracket when tent top is taut. Repeat for other bed.
11. Install lifter arm covers by attaching Velcro located on opposite side lifter arm.
12. For bed platform disassembly reverse steps 1-3 above.



## **⚠ WARNING!**

**CAUTION: NEVER PULL BUNKS OUT OR PUSH BUNKS IN, UNLESS ROOF IS EXTENDED TO ITS FULL HEIGHT. THIS IS A MUST!**

## **⚠ WARNING!**

**CAUTION: NEVER ALLOW BUNKS TO HANG UNSUPPORTED, AS THIS WILL CAUSE DAMAGE TO SLIDE ASSEMBLIES.**

## **⚠ WARNING!**

**AS THE CANVAS IS PERMANENTLY ATTACHED TO THE BUNK AT THE END ONLY, DO NOT PLACE SMALL CHILDREN OR INFANTS IN BUNK AREA WITHOUT PROVIDING ADEQUATE PROTECTION AROUND OPEN EDGES.**

## DOOR INSTALLATION 806 MODELS

1. Close lower door.
2. Release upper door storage straps (4) while supporting gently in center.
3. Gently swing door downward to vertical position.
4. Position the bottom of the upper door directly over the lower door and insert the black plastic guide pins into corresponding channels in the lower door frame. Securely latch upper to lower door using latch provided.
5. Push outward on top of upper door and secure top plate to roof sideboard using (2) turn buttons provided.
6. Attach front and rear tent sections to door frame using Velcro provided.
7. Check door for smooth operation. Adjustments at top or re-leveling the unit may be necessary.
8. Reverse steps 1-7 to uninstall.

## HELPFUL HINTS:

If door will not open and close properly from outside of the unit, check to see if upper door is square in frame. If not, this may be adjusted by adding or subtracting tension on bunk bows.

## DOOR INSTALLATION STEPPER DOOR AND V-TREC MODELS

1. Release upper door storage straps (4) while supporting gently in center.
2. Gently swing door downward to vertical position.
3. Place door bottom against lower door frame into channel provided.
4. Push outward on top of screen door. When door is in vertical position, push downward on door making sure door

top mounting plate is secure in opposing channel located on roof sideboard.

5. Attach front and rear tent sections to door frame using Velcro provided.
6. Check door for smooth operation. Adjustments at top or re-leveling the unit may be necessary.
7. Reverse steps 1-6 to uninstall.



2. Pull outward on roll out until it stops.



3. Check to make sure roll out latches located inside at floor level are engaged in the locked position. (Pushing outward from inside the unit at floor level may be necessary to fully engage latches).
4. Locate roll out tension rafter and install in the same manner as bed end installation.
5. Secure roll out tent side by attaching Velcro at all points inside and outside.

Reverse steps 1-5 for unit take down.



## ROLL OUT ASSEMBLY OPERATION (ROLL OUT MODELS ONLY)

1. From exterior of camper release roll out latch by turning handle and pulling outward on roll out.



## **⚠ WARNING!**

**During set-up and take down procedure make sure all tent materials are clear of any moving parts to prevent tent damage. I.E. (Lifter arms, bed platform slides and roll out box).**

**Tent damage created by not heeding this warning will not be covered by warranty.**

**NOTE:** *Be sure tent is dry before lowering unit. If tent is damp when unit is stored, mildew will form causing damage to the canvas.*

## BASIC UTILITY SYSTEM

The basic utility systems in your camping trailer can be classified under four titles - Electrical, Fresh Water, Drainage and LP Gas. This section outlines these systems, describing their operation, function and simple maintenance. It is not intended as a service guide. Your RV has been engineered and built to provide trouble free operation, but should a problem arise, we recommend that you contact your authorized Viking dealer.

## ELECTRICAL GENERAL

Your camping trailer contains two separate electrical systems, providing you with power while you are camped or traveling. There is a 12-volt direct current system, similar to the one in automobiles, and a 120-volt alternating current system, similar to one in homes. Your 120-volt system requires an external source of 120-volt electricity. This is provided by a connection to a campsite receptacle. The 120-volt system should be used whenever a 120-volt hook-up is available to reduce the 12-volt load on your tow vehicle's battery. Power is supplied by the Shoreline connection to the 120-volt receptacles. The 12-volt system is supplied by your automotive battery or the frame mounted or recessed battery pack which may be purchased from your Viking dealer and is used when you are on the road or in campsites which do not provide 120-volt hook-ups. The interior lights in your camping trailer operate only from a 12-volt source. Energy is supplied by the automotive battery through the camper's electrical connection, or by the power converter, which changes 120-volt AC into 12-volt DC. Without the converter, the only 12-volt power source to your camper is from the tow vehicle's automotive battery, through the electrical connection.

## 120-VOLT SYSTEM

The 120-volt system supplies power for the power converter for the 12-volt system and the 120-volt receptacles located in the camping trailer, which are used to operate regular household appliances. (It also provides 120-volt power for an optional three-way refrigerator in certain models.)

When you use the external 120-volt hook-up, the electrical power source is connected directly into the main electrical service panel and is distributed through a circuit breaker.

## SHORELINE CONNECTION

The Shoreline is a heavy-duty cable with a three-prong ground plug on one end, permanently attached at the other end to the service panel. It can be pulled from its storage compartment through a hatch in the sidewall of your vehicle and connected to an external receptacle. Some campsites and trailer parks still have two-slot outlets. If it is necessary to use a three-to-two adapter, be certain its grounding wire is fastened securely to the outlet

grounding screw. If in doubt, you may attach a No. 6-AWG copper wire to the frame of the vehicle and fasten it to an 8-inch copper or brass stake driven into the ground.

## 12 VOLT SYSTEM

12-Volt energy is supplied by the automotive battery (through the pigtail connection) or the power converter.

The automotive battery and alternator supply 12-volt power to the taillights, brake lights (brakes if so equipped), clearance lights, turn signals, warning flasher lights and 12-volt side of 2-way refrigerator or 3-way refrigerator, if so equipped.

## CONVERTER

The power converter transforms 120-volt AC to 12-volt DC. The converter supplies power to all the 12-volt systems, except the refrigerator and vehicular lights. The 12-volt circuit is protected by a fuse in the converter. If the fuse breaks, turn off or unplug all appliances. Replace the broken fuse with one of the same ampere rating. If the fuse continues to break, contact your Viking dealer.

## FRESH WATER SYSTEM

### GENERAL

Fresh water for your unit is supplied either to the vehicle's fresh water tank or an external pressurized source. Both supply water to the sink.

### CITY WATER

Connect a hose to a "city" pressurized water faucet and to the vehicle's water inlet. When using the city water hook-up, the water tank is by-passed. You cannot fill the water tank through the city water inlet. When city water is not being used, tighten cap on city water fill.

## WARNING!

**CAUTION: In areas where city water pressure exceeds 60 psi, you should use a pressure regulator. Excessive water pressure may damage lines and connections. See your Viking dealer for further details.**

## FILLING WATER TANK

Open the gravity water fill by turning cap. Insert a hose to fit the fill spout. Water will flow out the water fill vent when the tank is full.

## SANITIZING WATER TANK

Sanitize your unit's water tank before initial use, after a period of non-use and whenever the tank is suspected of being contaminated. Open the drain cock (located either directly on bottom edge of tank or in some instances on a short piece of clear hose for easier access) and drain the water out. When the tank is

empty, close the drain cock. Mix three gallons of water with 1/4 cup of liquid household bleach. Pour solution into tank through gravity water fill. Wait three hours. Flush the tank with fresh, potable water. If a chlorine taste lingers, pour one quart of vinegar and five gallons of water into the tank. Wait several days before draining tank. Flush tank with fresh, potable water.

## WATER PUMP

The water pump is a 12-volt DC appliance that is activated by a switch mounted in the kitchen area. The switch may be left on while camping. When you want water, simply open a faucet. The pump, which applies water from the fresh water tank, will run only as long as is needed. If the pump fails to start when the switch is on, check the fuse located in the converter. If the pump continues to operate whether the faucets are opened or closed, check the water tank. It might be empty, or there may be a leak in the system. If the city water hose is connected, the pump is not required.

## SINK

Clean the sink with non-abrasive cleanser only.

## LEAKS

Traveling over bumpy or rough roads can cause pipe fittings to loosen. Check pipe fittings regularly for signs of leakage.

## DRAINAGE SYSTEM

### GENERAL

The drainage system of your camping trailer consists of a sink drain and a drain trap. The latter maintains a water barrier to prevent odors (caused by drain water) from entering the RV.

### DRAINAGE

Remove protective cap from drain fixture and attach a garden hose to the outlet. Some campsites will have septic service for the disposal of sink water at each site. If the site is not so equipped, collect water in a bucket or container and dispose of as required by the park rules. To avoid contaminating your water system, use different hoses for fresh and drain water. Hoses of different colors will help you avoid interchanging. The same is true for buckets or vessels used for fresh water and drainage; paint or mark them to prevent contamination.

### **WARNING!**

**CAUTION: Do not pour boiling water down the drain as it will damage your flexible drain hose.**

### **WARNING!**

**Read the following chapter and safety warnings on Page 5 CAREFULLY.**

## LP GAS SYSTEM

*\* See Annex A for LP Detector information*

### GENERAL

The Liquefied Petroleum (LP) Gas system in your unit, furnishes fuel for heating and cooking. LP gas is stored in a bottle or bottles on the "A" frame of your unit. Under pressure in the bottle, the LP gas turns to vapor; it is the latter which burns. Each bottle has a 20% vapor level gauge which allows space in the bottle for vapor expansion. The high pressure vapor in the bottle is reduced in two stages through a regulator. The tank pressure will vary with temperature and altitude, but may be 100 pounds per square inch or more. It is reduced to about 12 pounds psi in the first stage, then to about 6-1/4 ounces psi in the second stage. The LP gas is propane or a blend of propane and butane, depending upon your locale.

The LP gas system is designed and built to rigid standards and tested before leaving the factory. Your Viking dealer also tests the system prior to delivery to you. Except for simple maintenance and occasionally tightening a connection, you should take your unit to an authorized Viking dealer for repairs or adjustments. The LP bottle(s) should always be filled by an authorized dealer.

**NOTE:** *Viking Recreational Vehicles is not responsible for personal injury or property damage resulting from improperly maintained LP gas appliances and systems. LP gas burns readily and with intense heat.*

With proper care and maintenance, it is safe and efficient. However, there are certain characteristics of LP gas of which you should be aware. In its natural state, LP gas is odorless but an additive gives it a distinctive odor so that most leaks may be readily detected.

LP gas is heavier than air and tends to collect in low pockets. **As LP gas settles into any closed area, it displaces air and thus could cause suffocation if not detected. It could also create a fire or explosion hazard.**

The following label has been placed in the vehicle near the range area:

### **WARNING!**

#### **For your safety, if you smell gas:**

1. Extinguish any open flames, pilot lights and all smoking materials.
2. Do not touch electrical switches.
3. Shut off the gas supply at the tank valve(s).
4. Open doors and other ventilating openings.
5. Leave the area until odor clears.
6. Have the gas system checked and leakage source corrected before using again.

## CLIMATE DIFFERENCES

The appliances will not function if the LP gas does not vaporize. Butane will not vaporize below 32°F (the freezing point of water), but propane will continue to vaporize down to -44°F. Propane has become the main type of LP gas used in RV's in recent years. Your LP supplier will have the correct type or blend for your locale. If your travels will take you into an area where climate differs, ask your LP dealer for his recommendations. The names of LP suppliers can be found in the yellow pages of your telephone directory under "Gas-Liquefied Petroleum - Bottled and Bulk." Many campgrounds now have LP gas fill facilities as do some service stations.

### **▲ WARNING!**

#### LP GAS LINE CHECK

Always check the gas line connection after each refill and inspect other connections regularly, at least every 30 days or 5,000 miles of travel. To check, turn off all burners and pilot lights. Open all doors and windows. Open the LP gas bottle service valve and use soapy water, a bubble solution or approved leak detector to test all line connections. Do not use products that contain ammonia or chlorine. Bubbles indicate a leak. Tighten the connections with two open-end wrenches until bubbles stop. If leak persists, contact your Viking dealer.

#### FILLING THE LP GAS BOTTLE

Before removing an LP gas bottle, be certain ALL burners and pilot lights are off. Close the service valve and turn the green knob on gas hose counter-clockwise to disconnect the hose from the tank valve. NOTE: NO TOOLS REQUIRED TO DISCONNECT THE NEW ACME PIGTAIL FROM THE VALVE. To remove empty LP gas bottles, loosen the bottle clamp and slide the bottle up and out of the bracket. TRANSPORT EMPTY LP GAS BOTTLES IN AN UPRIGHT POSITION!

Take your bottles to an authorized LP supplier for filling. He will connect the fill nozzle to the gas line connector. The Service valve and the 20% vapor level gauge must be open. Filling should be stopped as soon as liquid appears at the liquid level gauge. Close the Service valve or the 20% gauge; they are designed to be closed leak-tight by hand. If you cannot hand-tighten properly, the valve may need repair or replacement.

A warning label has been located near the LP gas container. This label reads:

#### **DO NOT FILL CONTAINER(S) TO MORE THAN 80 PERCENT OF CAPACITY.**

Overfilling the LP gas container can result in uncontrolled gas flow which can cause fire or explosion. A properly filled container will contain approximately 80% of its volume as liquid LP gas.

Avoid overfilling by insisting that the LP gas bottle is never filled beyond 80% of capacity. If the bottle is over-filled, have the LP gas dealer bleed out the excess. Over-filling does not allow sufficient space for the liquid to expand. This can produce excessive pressure which can cause LP gas leaks, creating potential fire or explosion.

hazard. **DO NOT smoke, strike a match or ignite a lighter when the LP gas bottle is being filled. A spark or flame could ignite fumes.** Be certain all burner and pilot flames are out and the Service valve is closed when filling your tow vehicle's gasoline tank.

Reinstall a single bottle by placing it in the support brackets, insert the bolt through the bracket. One nut should be tightened until the ring is tight around the gas bottle, then a second nut should be tightened against the first to prevent them from vibrating loose. Reinstall a double bottle on the bottom support plate. Tighten the spinner nut so the "T" bar holds both bottles in place. Reconnect the gas line and check for leaks.

#### LP BOTTLE CARE

After each trip, inspect the LP gas bottle. Sand off traces of rust and apply a rust preventative paint. When the LP gas system is not in use, the Service valve should be closed.

### **▲ WARNING!**

**LP Gas containers shall not be placed or stored inside the vehicle. LP Gas containers are equipped with safety devices which relieve excessive pressure by discharging gas to the atmosphere.**

#### REGULATOR PRESSURE

Each LP gas bottle, or pair of gas bottles, will have a regulator. If you have double 20 lb. bottles, open only one bottle's Service valve. When the bottle is empty, close the Service valve and open the other bottle. You can check the volume of LP gas by weighing the bottle, comparing the known weight of an empty and filled bottle. The Tare (empty) Weight is stamped on the LP gas bottle handle.

Also stamped on the bottle is its water capacity in pounds. Multiply the Water Capacity by .42. The result will be the LP capacity in pounds (allowing for the 20% vapor space). Add the LP weight to the Tare Weight to get the total weight of filled bottle.

#### EXAMPLE:

If a 20 lb. bottle lists Tare Weight (TW) at 18 lbs. and Water Capacity (WC) at 48 lbs., the weight of the bottle when filled with LP to 80% of its capacity will be 38 lbs. (48 x .42 = 20.16 or 20 lbs. or LP 18 lbs. plus 20 lbs. = 38 lbs.).

LP Gas regulators must always be installed with the diaphragm vent facing downward. Regulators that are not in compartments have been equipped with a protective cover. Make sure that regulator vent faces downward and that cover is kept in place to minimize vent blockage which could result in excessive gas pressure causing fire or explosion.

Check the LP gas regulator at the beginning of each season, or whenever a problem is indicated. Correct line pressure is 11 inches of water column. Your Viking Dealer or LP gas supplier can perform this check.

## LP GAS REGULATOR FREEZE-UPS

LP Gas regulator freeze-up is a problem RV owners can prevent if they are aware of its cause. Freeze-up is usually caused by one of three things: moisture in the bottle, an overfilled bottle, or a greater vapor withdrawal demand than the bottle can deliver at a particular temperature. Freeze-ups occur more frequently in cold weather when equipment can freeze and there is a lower rate of vaporization and a higher rate of demand.

Moisture can enter the bottle in the LP gas or through condensation if air is allowed into the bottle through an open valve. Avoid these conditions by using moisture-free LP gas and keeping all bottle valves closed during storage. If moisture is present, have the bottle purged by an authorized dealer and have him add anhydrous methanol; he will know the correct amount for the size of your bottle.

An overfilled bottle can allow liquid gas, instead of vapor, to flow through the regulator. This can result in erratic regulator delivery pressure, improper appliance operation or burner outage, and possible frosting of the regulator and LP gas lines. This can be avoided by following the previously cited precaution about overfilling.

Liquid gas does not vaporize as rapidly in cold weather, so you may place too great a demand on your bottle's capabilities in certain conditions. This can cause a refrigeration effect resulting in frosting of the bottle and regulator. Check with your Viking dealer or LP supplier about the appliance demand which can be met by your bottle at various temperatures. Always have your LP supplier add anhydrous methanol before filling the bottle in cold weather.

### **⚠ WARNING!**

**Do not bring or store LP gas containers, gasoline or other flammable liquids inside the vehicle, a fire or explosion may result.**

## APPLIANCES AND ACCESSORIES

### RANGE

– See manufacturer's owner's manual

### GENERAL

Your Viking camping trailer will have a two or three burner range, which is a LP gas appliance.

### LIGHTING THE RANGE

Be certain the LP gas bottle service valve is OPEN. Light a match and hold it close to the range burner, then turn the burner's control knob to full ON.

Air in the line may cause a blowing sound and may extinguish the match. When the line is free of air, the burner should light readily. Adjust the burner flame with the control knob.

### **⚠ WARNING!**

**It is not safe to use cooking appliances for comfort heating.**

### **⚠ WARNING!**

**Use of cooking pans larger than burner diameter could cause damage to stove box by trapping heat in the stove top.**

Cooking appliances need fresh air for safe operation. Do not use large pans which could restrict the burner efficiency and spread the flame away from the burner and cook top.

### BEFORE OPERATION:

1. Open overhead vent and,
2. Open window.

This warning label has been located in the cooking area to remind you to provide an adequate supply of fresh air for combustion. Unlike homes, the amount of oxygen supply is limited due to the size of the recreational vehicle, and proper ventilation when using the cooking appliance(s) will avoid dangers of asphyxiation. It is especially important that cooking appliances not be used for comfort heating as the danger of asphyxiation is greater when the appliance is used for long periods of time.

### CARE OF RANGE

– See manufacturer's owner's manual

Allow the range top to cool, then clean it with hot, soapy water. Use a damp cloth to clean surfaces. Grease spatters, which may bake onto the surfaces, should be wiped off before they have time to harden. Use a toothpick to clean clogged burner orifices. DO NOT use metal objects, such as an ice pick or wire to unclog burners. They may distort the opening and adversely affect burner operation. Read the manufacturer's manual for details on the operation and care of the range.

**NOTE:** *Prolonged use of the range may cause moisture to form on the inside of the canvas and vinyl walls. Condensation may also form on the inside of the camper during heavy rain or when the outside temperature drops. This condition can be controlled by opening a window on the down-wind side of the camper or opening the roof vent.*

### CARE OF THE REFRIGERATOR

Remove food and ice after each trip. Clean interior with warm water and liquid dish soap. Wipe dry with soft, dry cloth. DO NOT use abrasive cleaning material; it will scratch interior surfaces. Prop the door open during periods of non-use.

To defrost refrigerator, remove frozen food and ice. Turn off the thermostat. Place a pan of hot water inside the compartment to speed up the defrosting process. Dry the interior with a clean cloth.



## 12V / 110 / GAS REFRIGERATOR

The gas and electric controls are located in the rear of the refrigerator and are accessible through the doors in the outside wall of the vehicle. To remove the doors, turn the black buttons on the lower corners 90° counter-clockwise to release.

Refer to manufacturer's operation manual supplied with appliance.

**NOTE:** *Keep items to be stored in your RV refrigerator or ice box in your home refrigerator or freezer until you are ready to leave. This will reduce the cooling load on your RV refrigerator or ice box and help keep perishable foods fresh longer. Always store food in sealed containers or suitable wrapping. During travel, use the door latch.*

- The refrigerator requires 24 hours running time to cool down.
- If the refrigerator has been out of use for an extended period, make sure all air vents are free from obstruction and check for gas leaks using soapy water.
- Never cover or partially cover the air vents with cardboard or anything else.
- Remember to level the vehicle when stopping for more than about an hour, otherwise the cooling unit could be permanently damaged due to overheating if it is left on.

For recommended maintenance, refer to appliance instruction booklet.

### **⚠ WARNING!**

**Turn on only one energy source at a time.**

## FURNACE

– See manufacturer's owner's manual

The RV furnace is an LP gas appliance. Heat is discharged into the unit directly through the furnace grill. To operate the furnace, first remove cabinet front. Turn main gas valve control knob to the OFF position. Move OFF lever, located at the bottom of thermostat to the right if set on OFF position. Set the thermostat above room temperature. A slight delay will occur before the blower starts. Allow the blower to run for five minutes for combustion chamber purge cycle. After five minutes, set thermostat below room temperature. Turn main gas valve control knob to ON position. Set thermostat above room temperature. Allow 30 seconds for ignition to occur after the blower comes on. If burner does not ignite, return main gas valve control knob to OFF. Set thermostat on OFF.

**NOTE:** *If after three attempts with no ignition, go to shut-down and contact a qualified service agency. Do not continue to cycle furnace through thermostat in an attempt to get ignition.*

## CARE OF FURNACE

Your furnace should be inspected before use at least annually by a qualified service agency. Particular attention should be given to the combustion chamber gaskets, soot in vent and main burner. Check your furnace owner's manual (supplied with furnace) for more information and before operation of furnace.

### **⚠ WARNING!**

**DO NOT use catalytic or open flame heaters in your Viking unit. This includes wood and charcoal grills and stoves. The use of this equipment inside the vehicle may cause fires. These devices, either portable or permanently installed, consume oxygen from the interior space and may contaminate the air with toxic fumes. These fumes may cause nausea, dizziness or death.**

## WATER HEATER (Limited Application)

– See manufacturer's owner's manual

The water heater is an LP gas appliance capable of heating water to a preset temperature. The water heater features an electric ignition. When the system is connected to city water, fill the water heater by opening a hot water faucet. When filling the fresh water tank, turn the water pump ON and open a hot water faucet. In either case, when water flows steadily, turn the faucet OFF. Any air still in the tank can be removed by opening the relief valve in the outside access compartment.

### **⚠ WARNING!**

**Do not turn on water heater switch until heater tank is full. Damage will occur to water heater if turned on when empty!**

**See manufacturer's directions for use and care of water heater.**

## MAINTENANCE

### GENERAL

Recreational vehicle owners are noted for the pride they take in the appearance of their units. Proper maintenance will do more than keep your Viking unit looking nice. It can help insure trouble-free operation and maximum efficiency of the various appliances and components. Failure to properly maintain the vehicle or its components also may constitute a breach in your warranty obligations. Negligence, misuse or installation of unauthorized equipment could affect the operation of your unit and may void your warranty. See the various manufacturer's manuals for specific maintenance instructions.

After each trip, set up your camper in your driveway and clean thoroughly. Discard all unused food items, especially those items stored in the ice box or refrigerator to avoid attracting insects or animals.

## CONDENSATION

Condensation can be a natural occurrence in modern, tightly constructed, recreational vehicles. When the unit is tightly closed, especially in cold weather, the relatively small air volume in the RV can absorb only a certain amount of moisture. When the saturation point is reached, the moisture is released in the form of condensation. (Certain amounts of condensation should be expected, especially on cool surfaces such as windows and metal door frames.) However, excess condensation can damage walls and ceilings. Bathing, dishwashing, appliances and unvented gas burners, all add moisture to the air. You can control this by allowing the moisture to escape to the outside. Use your roof vent when cooking; don't hang wet clothes in your unit to dry. Opening a window slightly and the use of fans to circulate air will reduce condensation.

## TENT

To condition the tent prior to your first trip, set up the camper and spray with water. Allow the tent to dry and then spray again. This will expand the thread inside the stitch holes. Always ventilate and dry the tent with bows and braces in place, as soon as possible after each exposure to moisture. After every trip, wash dust and dirt, bird and tree droppings, insects and other foreign material from the exterior tent surfaces. These substances can damage the vinyl in your tent. Use warm water and a soft bristle brush to remove stubborn stains. Rinse tent with cool water. *Allow the tent to dry completely before lowering.* Mend tears and holes with patching material or cement. Leaks in tent seams can be repaired by using a good commercial seam sealer.

## WARNING!

**CAUTION: Use of sprays (hair, insect, deodorant, etc.) near fabric can destroy fabric finish. NEVER allow spray to come in contact with tent fabric.**

## INTERIOR MAINTENANCE

### FOLDING TABLE LEGS

Fold table legs and secure with straps. Lower table onto seat braces. Arrange cushions on top for additional sleeping capacity.

### VINYL WINDOW & SCREENS

Unzip vinyl windows to permit ventilation. Roll vinyl and secure in place with straps.

## CARE OF PRIVACY CURTAINS AND DRAPES

Curtains are to be dry cleaned only. Curtains and drapes slide along tracks.

## CARE OF WOODWORK

Clean woodwork with regular household furniture polish. DO NOT use water to clean wooden surfaces. Scuffs may be covered with furniture wax and stain mixture. Scratches may be covered with putty stick.

## CARE OF DRAWERS

Clean wooden surfaces with household furniture polish. Wash plastic surfaces with warm water and liquid soap. DO NOT use abrasive cleansers.

## CARE OF FLOORING

Sweep and damp mop vinyl floors.

## ROOF

Frequently check the seals around all extrusions, handles, lights, roof center seam, etc. **Reseal as necessary with silicone sealer.** With expansion and contraction from weather and use, these seals need to be maintained or damage to your roof from water will result.

## BODY

Wash dust and dirt, road tar, bird and tree droppings, insects and other foreign material from exterior surfaces. Use a mild soap in cold or lukewarm water. Apply a good quality auto wax at least once a year.

## WARNING!

**CAUTION: To avoid marring body surfaces, DO NOT use abrasive cleaning compound or cloth. DO NOT wipe the surface with a dry cloth; DO NOT wash or wax your unit in the hot sun, wait until the surfaces have cooled.**

## FRAME

Inspect the frame periodically. Remove dirt and rust and apply rust preventative paint as required routine maintenance.

## ELECTRIC BRAKES

After a break-in period of 200 miles, brakes should be adjusted. Inspect and adjust brake drums, lining and shoes at the beginning of each camping season or before an extended trip.

## WHEEL BEARINGS

Check wheel bearing lubrication at the beginning of each camping season or before an extended trip. Follow directions for E-Z lube in manual provided with your warranty packet.

### **WARNING!**

**CAUTION:** Do not get lubrication on tent material.

## STORAGE

### GENERAL

You should perform the following procedures if you will not be using your unit for an extended period.

### LP GAS SYSTEM

Close the LP gas service valve. Extinguish all pilots and close all LP gas valves. Light a range burner to consume any gas remaining in the lines. When the flame burns out, turn the range burner OFF.

For winter storage, the regulator also should be covered to keep moisture out of the vent. LP gas bottles should have anhydrous methanol added by an LP gas supplier.

### WATER TANK

Open the water tank drain cock and empty tank. Close the drain cock when the tank is empty. If unit is equipped with a water heater and pump, it will require a more detailed service, see dealer.

### ELECTRICAL SYSTEM

Turn off the circuit breaker at the service box.

### EXTERIOR

Store your unit in a garage or other shelter, if possible, or cover with tarpaulin or plastic. Do not allow snow to collect on the roof. If you will not be using your trailer for an extended period, block it up to prevent tire damage.

**NOTE:** Do not cover with black or dark colored plastic or seal airtight.

### WINTERIZATION

(Also see Maintenance Schedule pages 20 to 23.)

### GENERAL

You should make special preparations for storing your unit in winter. Contact your dealer to schedule yearly winterization.

### **WARNING!**

**CAUTION:** DO NOT use automotive antifreeze in the fresh water system; it is poisonous.

## ELECTRICAL SPECIFICATIONS

### LIGHT BULBS

Interior 12 VDC .....	#1003 or #1141
Turn, Tail and Stop .....	#1157 or #2057
License Plate .....	#168
Clearance .....	#194

### FUSE / CIRCUIT BREAKER SIZES

12 VDC Appliances .....	15 Amp Fuse
120 VAC Circuits .....	15 / 20 Amp Breaker

### WIRE HARNESS COLOR CODES

White .....	Ground
Brown .....	Right Stop and Turn
Red .....	Left Stop and Turn
Blue .....	Brakes
Pink .....	Converter
Green .....	Clearance

### ADDITIONAL OR OPTIONAL EQUIPMENT WEIGHING OVER 20 LBS. WHEN INSTALLED

20,000 BTU Furnace .....	23 lbs.
Water Heater .....	69 lbs.
2nd LP Gas Bottle with Gas .....	38 lbs.
1.9 Cu. Ft. Refrigerator .....	44 lbs.
2.5 Cu. Ft. Refrigerator .....	54 lbs.
Awning Wts. 7/9/10/11 .....	18//24/25/29 lbs.
13.5M Air Conditioner .....	104 lbs.
Screen Rooms 7/9/10/11 .....	10/38/39/40 lbs.

### **WARNING!**

**All assembled roof accessories should not exceed 120 lbs. during operation of lift system.**

## TROUBLE SHOOTING

**NOTE:** Use the manufacturer's owner's manuals for all appliance trouble shooting.

# MAINTENANCE

<b>COMPONENT</b>	<b>IDENTIFICATION</b>	<b>STANDARD CARE</b>	<b>FREQUENCY</b>	<b>AVOID</b>
Awning	Self-storing	Household vinyl cleaner	As needed	Storing wet for extended periods
Axle	Spring Torflex	Maintenance free Maintenance free		Road hazards and overloading
Bearings	Tapered roller	Lubrication - refer to Al-Ko Axle book provided in warranty packet	Every 2,000 mi. and before each session	Road hazards, overloading, over/under tightening
Bed slides	Aluminum / Steel	Use silicone lubricant sparingly	As needed	Unsupported beds, over-lubrication
Beds	Plywood Laminated	Use all support poles Model 806	Always	Not using proper support
Brakes	Al-Ko 7" 10" certain models	Linings and adjustment see brake manual	Before each season and as needed	Over-adjustment, under-adjustment
Ceiling lights	1.5 amps	Replace bulb - use only the style provided as original equipment	As needed	Lights on when unit is closed and connected to tow vehicle
City water fill	Ft. Recovery	Cover when not in use	Always	Over-tightening, under-tightening
Converter	12-25 amp	Use proper size fuses as noted on the converter		Over-loading, attempting repairs
Coupler	2" or 2 5/16"	Lightly grease ball and oil release lever rivet	Once per year	Improper connection to ball
Decorator side drapes and privacy curtains	Woven fabric	Dry clean only	As needed	Machine washing and storing wet
Drain (sink)		Winterize with non-toxic anti-freeze	When storing for the winter	Storing without winterizing
Drain (shower)		Winterize with non-toxic anti-freeze	When storing for the winter	Storing without winterizing
Entrance door	Aluminum / Fiberglass	Wash with water and apply quality auto wax, lubricate channels and latches with silicone	As needed	Abrasive cleaners
Exterior body panels	Aluminum / ABS	Wash with mild detergent and water and apply quality auto wax	As needed	High pressure spray on graphic labeling areas
Fire extinguisher	Located near cabinet near door on a bracket	Check for charge prior to each camping trip; note directions on extinguisher		
Floor covering	Seamless vinyl, no-wax	Clean with mild soap and water as needed	As needed	Abrasive cleaners
Frame	Powdercoat	Rinse with water as needed after salt or chemical contact; sand and touch-up bare or rusty spots with good quality black paint	As needed	Chemicals or road salt, road hazards
Furnace	20,000 BTU	See furnace manual		
Gas bottle	On A-frame	See "Gas System" - Be certain that clamp is secure	Every trip	Loose clamp
Gas hose	Rubber	See "Gas System"		
Gas line	Copper	See "Gas System"		

# MAINTENANCE

<b>COMPONENT</b>	<b>IDENTIFICATION</b>	<b>STANDARD CARE</b>	<b>FREQUENCY</b>	<b>AVOID</b>
Lift posts	Zinc plated steel	Lubricate with silicone	Once per season as needed.	Over-lubrication
Lug bolts		Check tightness	Before each trip	
Pigtail	7 way	Always use cable provided; inspect for cuts, breaks or dirt; plug in securely.	Prior to each use	Cutting; dirt, corrosion
Pre-finished cabinet walls		Spray furniture wax	As needed	Leaving outside in the rain, abrasive cleaners, detergents and water
Refrigerator	Dometic	Clean with mild soap and water Block door open while stored	As needed	Leaving food inside while unit is being stored; abrasive cleaners
Roof assembly exterior	Aluminum / Filon sandwich panel ABS	Wash as needed; Inspect for voids in caulking	Check caulking once per season as needed	Abrasive cleaner; excessive weight (135 lb. max. on opt. boat rack) abrasives and sharp instruments
Roof assembly interior	Vinyl and plywood	Clean with water and mild soap solution	As needed	
Shower pan	A.B.S. plastic	Sponge clean after use	As needed	Abrasive cleaners
Crank down jack	Scissor style	Keep free from dirt; lubricate	As needed	Dirt build-up
Table	Particle board laminated	Clean with damp cloth	As needed	Direct heat; excessive exposure to the elements
Table legs	Folding	Lubricate hinge points with silicone	As needed	Leaving outside in the rain; abrasive cleaners, detergents and waters
Tent, vinyl	Vinyl	See page 25 of this manual	As needed	Storing wet, harsh detergents, detergent residue, all chemicals
Tires	Americana Tire	See Specifications and check inflation	Every trip or as needed	Under or over inflation. Avoid road or off-road hazards
Tongue jack		Lubricate mechanism with light oil, retract or remove jack with wheel for travel	Once a year	Salt and chemical contact, travel with wheel down
Upholstery (cushions and mattresses)	Olefin or olefin/acrylic	Car upholstery cleaner	As needed	Grease, oil, excessive heat, sharp objects
Vinyl windows	Tinted / clear vinyl	Warm water and mild detergents	As needed	Abrasives and aromatics.
Water heater	Suburban	See page 22 of this manual		Storing without winterizing
Water tank	Polyethylene	See "Water System" Sanitize and flush. See pages 13-14.	As needed	Contaminants
Lift system		Lube main assembly under unit (2 zerks)	Annually	Failure to lubricate

# MAINTENANCE SCHEDULE

## QUICK REFERENCE

ITEM							REFERENCE
	<i>Every trip</i>	<i>Every 30 days or 1,000 miles</i>	<i>Every 60 days</i>	<i>Every 90 days or 2,500 miles</i>	<i>Every 6 months or 5,000 miles</i>	<i>Annually or 10,000 miles</i>	
Airing	X						Air Quality, Condensation, Maintenance, this manual
Appliances	X					X	Appliances, this manual; Appliances Manufacturers' instructions
Body							Maintenance, this manual
Counter, Table Tops	X						Maintenance, this manual
Doors				X			Maintenance, this manual
Electrical System	X						Maintenance, this manual
Fabrics						X	Care of Fabrics, this manual
Floor Covering	X						Maintenance, this manual
Hinges						X	Maintenance, this manual
Jacks	X			X			Maintenance, this manual
Locks & Latches						X	Maintenance, this manual; Lock/Latch Manufacturer's manual
LP Gas	X	X					LP Gas, this Manual; Appliance Manufacturer's instructions
Pigtail Contacts				X			Maintenance, this manual
Roof, Body, Underbelly				X			Maintenance, this manual
Seams (Seal), Roof					X		Maintenance, this manual
Steps	X					X	Maintenance, this manual; Step Manufacturer's instructions
Vents						X	Maintenance, this manual; Vent Manufacturer's instructions
Vinyl Ceiling and Wall Panels	X						Maintenance, this manual
Water Heater	X					X	Maintenance, this manual (Water Heater Manufacturer's instructions)
Wood Cabinetry	X		X				Maintenance, this manual

Maintenance schedules listed are requirements; heavy use, unusual temperatures or humidity or other environmental conditions may require more frequent maintenance.

# MAINTENANCE RECORD

DATE	MILEAGE	SERVICE SHOP NAME & ADDRESS	DESCRIPTION OF SERVICE

# PRE-TRAVEL CHECK

## GENERAL

Whether departing from your home, rest area, or campsite, you should perform these pre-travel checks inside and outside your camper.

## VINYL TENT

Be sure tent is dry before storing camper. While camping, a leaky seam may be sealed by rubbing candle wax or bee's wax into stitch holes.

## TIRES

Should be inspected before each trip. Replace a tire when it is worn to 1/16" depth in two or more adjacent grooves, or to the level of tread indicators molded into the bottom of the tread grooves, when the indicators appear in two or more adjacent grooves at three locations around the tire. Check tire for uneven wear, road damage, foreign objects or excessive peeling or bulging. When purchasing a new tire, be certain it is the same size and has the same ply rating and load range as the old tire. DO NOT mix radial ply with bias or bias-belted tires.

Each morning inspect tire condition and pressure on your RV and tow vehicle. Heat generated by surface friction will increase the tire's air pressure approximately six to nine psi; therefore, do not bleed air out of a hot tire. Inflate to recommended pressure as indicated on tire or in tire manufacturer's instruction booklet.

**NOTE:** *Proper tire inflation is extremely important.*

## WHEEL LUGS - Important!

Must be tightened before departure, then every 50 miles for the first 200 miles during your initial trip, and after each tire change. Torque to 85-95 pounds. Thereafter, tighten lugs periodically and before using unit after a storage period.

## WHEEL BEARINGS

See MAINTENANCE section.

## HITCH

Should be inspected to be sure it has not loosened. Must have safety pin or lock in coupler.

## 3-WAY TONGUE JACK

Must be raised as far as possible or removed and stored.

## LP GAS BOTTLES

Connections should be secured and the service valve closed.

**NOTE:** *Some states prohibit vehicles equipped with LP gas bottles from using tunnels. A few other states prohibit traveling with the service valve open. Check the regulations of the states through which you intend to travel.*

## SAFETY CHAINS

Must be properly attached to the tow vehicle.

## STABILIZING JACKS

Should be properly stored under frame. Crank up and tighten securely.

## PIGTAIL

Should be properly connected to the tow vehicle's electrical harness.

## LIGHTS

Should be tested on the Viking RV unit and the tow vehicle, including brake lights, turn signals, warning flashers, clearance lights, taillights and tow vehicle headlights. ENSURE INTERIOR LIGHTS ARE TURNED OFF BEFORE LOWERING THE ROOF TO PREVENT DAMAGE TO THE CANVAS DURING TRANSIT! CHECK STORAGE COMPARTMENT LIGHT AND TURN OFF, AS BATTERY PACK OR TOW VEHICLE WILL ENERGIZE.

## POWER CORD

120-volt Shoreline must be unplugged from the external source, pushed into its compartment and the cord hatch secured.

## WATER FILL

Hoses must be disconnected and the caps secured.

## DRAIN OUTLET

Hose must be disconnected and the cap secured.

## VENTS

Should be closed and secured.

## INTERIOR DOORS AND DRAWERS

Should be closed and secured. Loose items should be lashed down or stored away.

## UPPER DOOR

Must be disengaged from the lower door and secured by the ceiling turn buttons.



## **REFRIGERATOR OR ICE BOX DOOR**

Should be secured with the travel latch.

## **GALLEY CABINET**

Must be lowered securely to avoid interference with the bunk tray.

## **BUNK TRAYS**

Must be pushed in. Store bunk support rods and bunk bows.

## **EXTERIOR ACCESS DOORS AND HATCHES**

For storage and equipment should be closed and locked.

## **STEP**

Optional self-storing step in stored position.

## **ROOF**

Must be lowered and all latches secured.

## **BOAT RACK OR BIKE RACK**

If your unit has a boat rack, the weight of the boat is not to exceed 135 lbs. Place the boat, with the bow facing forward, upside down on the boat rack and lash down securely so boat will not shift, causing damage to the rack. DO NOT attempt to raise the roof with the boat on the rack.

## **DOOR**

Should be locked.

# EMERGENCY CONTACTS

**DEALER** Name \_\_\_\_\_

Address \_\_\_\_\_

Phone (AC) \_\_\_\_\_

**DOCTOR** Name \_\_\_\_\_

Address \_\_\_\_\_

Phone (AC) \_\_\_\_\_

**RELATIVE** Name \_\_\_\_\_

Address \_\_\_\_\_

Phone (AC) \_\_\_\_\_

**NEIGHBOR** Name \_\_\_\_\_

Address \_\_\_\_\_

Phone (AC) \_\_\_\_\_

**FIRE** Phone (AC) \_\_\_\_\_

**POLICE** Phone (AC) \_\_\_\_\_

Phone (AC) \_\_\_\_\_

**INSURANCE** Name \_\_\_\_\_

**AGENCY** Address \_\_\_\_\_

Phone (AC) \_\_\_\_\_

# GENERAL INFORMATION

## PERMANENT DWELLING

Your new recreational vehicle is designed as temporary living quarters for recreational camping, travel or seasonal use and not as a permanent dwelling place. Usage as a permanent accommodation is a breach of warranty and we are not liable for any damage that results because of such misuse.

## WARRANTY

Every Viking RV product is backed by our position as an RV industry leader, achieved through years of experience in producing units noted for their quality and dependability. Every effort has been made to provide you a safe and dependable recreational vehicle. Your Viking RV complies with applicable federal and state regulations and the requirements of ANSI A119.2, the nationally recognized "Standard for Recreational Vehicles - Installation of Plumbing, Heating and Electrical Systems." The Recreation Vehicle Industry Association (RVIA) periodically inspects the Viking factory and assists in maintaining strict compliance with installation and safety standards for those systems.

You, the owner, must perform periodic inspections of the systems and provide a program of preventive maintenance as described in the maintenance schedule.

Viking RV recommends that warranty service be performed by the authorized dealer from whom you purchased your RV because of the dealer's continued and personal interest in your satisfaction. But if you are traveling or in the event that you move, service under the Viking warranty will be performed by any authorized Viking dealer in the United States or Canada. Whenever possible, make an appointment to avoid unnecessary delays.

If you cannot locate an authorized dealer, contact Viking RV Service, 580 W. Burr Oak Street, Centreville, MI 49032, Telephone 269-467-6321, Fax (269) 467-6021.

## OWNER RELATIONS

Owner's satisfaction and good will are of primary concern to Viking RV. We recognize that our continued success as a leading manufacturer of recreational vehicles depends on your complete confidence in our products and service. A pleasant and effective relationship through our dealers is as important as maintaining the technical excellence of our product. Your authorized Viking RV dealer will assist you in obtaining service, maintenance, selection of options and instructions concerning the operation of your recreational vehicle.

Occasionally, a warranty or service matter may not be handled to your satisfaction. Often it is the result of a misunderstanding and can be resolved at the dealer level. Discuss the situation with the dealership management. If you cannot find satisfaction at the dealer level, we invite you to contact Viking RV Owner Relations Department where we will make every effort possible to provide an agreeable solution. In most instances, we will eventually refer you back to the local dealer with our recommendations.

## Write to:

Attn: Owner Relations Department  
**Viking Recreational Vehicles Division**

Forest River, Inc., A Berkshire-Hathaway Company

P.O. Box 549

Centreville, Michigan 49032

**CONGRATULATIONS** - You have purchased the most trouble free camper lift system on the market. However, if something such as an accident does occur, repairs should be made only by your dealer!

## ANNEX A - LP GAS DETECTOR

- See Manufacturer's Owner's Manual

## Propane/Methane Gas Detector

Your Viking trailer is equipped with one of the finest propane/methane gas detectors. For your safety, follow the enclosed directions.

**IMPORTANT**  
**PLEASE READ CAREFULLY**  
This manual contains important information. Purchasers who install this detector for use by others must leave this manual with the owner.  
Do not throw out.



SINGLE STATION PROPANE/METHANE DETECTOR  
SUITABLE FOR USE IN RECREATIONAL VEHICLES

LISTED File No. 151449

**IMPORTANT:** Always follow the operation and safety instructions of the gas appliance manufacturer.

## **⚠ WARNING!**

## **LIMITATIONS OF PROPANE/METHANE GAS DETECTORS**

This detector will not work without power. Examples causing no power are: an open circuit breaker, a faulty power line connection, a blown or missing fuse.

**This detector will only indicate the presence of propane or methane gas at the sensor. Explosive gas may be present in other areas. Do not test with butane gas. Sensor damage could occur!**

**This detector may not be heard.** The alarm loudness is designed to meet or exceed regulatory standards, however, the

alarm may not be heard if detectors are located in remote locations or behind closed doors. The alarm may not be heard by persons who are hard of hearing.

**This detector is not a smoke or fire detector**, it is not suitable as a smoke or fire detector.

This detector is not suitable for installation in hazardous areas as defined in the national electrical code.

## HOW TO TAKE CARE OF YOUR DETECTOR

This detector has been designed to be as maintenance free as possible. To keep your detector in good working order, you must;

- **Test the detector weekly.** (See "Test Procedure")
- **Observe the color of the indicator light** on the front panel of the detector at frequent occasions and during your weekly test. (See "Operating Instructions.")
- **Vacuum the dust off the detector cover** at least once a year (more frequently in dusty locations) using the soft brush attachment of your vacuum.
- **Clean the detector cover when dirty.** Hand wash using a cloth dampened in clean water. Dry with a soft cloth.
- **DO NOT SPRAY CLEANING AGENTS OR WAXES directly onto the front panel. This action may damage the sensor and cause the detector to malfunction.**

## OPERATION

**POWER ON Warm Up:** When power is first applied the Yellow LED will flash for three minutes while the detector is warming up. At the end of that time the LED will turn Green indicating full operation. If the detector has detected unsafe levels of gas it will immediately go into alarm. **CAUTION: This detector cannot alarm during the three minute warm up cycle.**

## TESTING WARNING!

**Test the operation of this detector after the vehicle has been in storage, before each trip and at least once per week during use.**

Simply press the Test switch any time during warm up cycle or while in normal operation. The LED should flash RED and the alarm should sound. Release the switch. **THIS IS THE ONLY WAY YOU SHOULD TEST YOUR DETECTOR.** This test feature checks the full operation of the detector. If this detector does not test properly, return the detector immediately for repair or replacement.

## ALARM

The Red LED will Flash and the alarm will sound whenever dangerous levels of gas are detected. The detector will continue to alarm until the gas clears or the Mute switch is pressed. (See Procedures to Take During an Alarm.)

## PROCEDURES TO TAKE DURING AN ALARM

1. Turn off all gas appliances, (stove, heaters, furnace), extinguish all flames and smoking material. Evacuate, leave doors and windows open.
2. Turn off the propane/CNG tank valve.
3. Determine and repair the source of the leak. Seek professional help if necessary.

**CAUTION: Do not re-enter until the problem is corrected.**

## ALARM MUTE

This feature is activated by pressing the TEST/MUTE button when the detector is in alarm. 1. The Red LED will continue to flash and the alarm will beep every 30 seconds, until the gas level has dropped to a safe level then, 2. The LED will flash Green until the end of the Mute cycle and/or, 3. Return to Red and beep four times if high gas levels return before the end of the mute cycle, then, 4. Return to normal (solid Green) or resound the alarm in approximately two minutes if dangerous levels of gas remain in the area.

## MALFUNCTION ALARM

The microprocessor will activate the malfunction alarm when it detects a fault in the detectors operation. The LED will alternately flash Red and Green, while the sounder beeps twice every 15 seconds. The Mute switch will not function. **REMOVE THE DETECTOR IMMEDIATELY AND RETURN IT FOR REPAIR OR REPLACEMENT.**

## LOW POWER OPERATION

This detector will operate normally down to 7 vdc. Do not operate this detector below 7 vdc.

## TROUBLE SHOOTING GUIDE

<i>Problem</i>	<i>Cause/Solution</i>
<b>No LED</b>	Faulty power connections, reverse polarity, bad or missing fuse or dead battery.
<b>No sound in test</b>	Defective - return immediately
<b>No Red LED in test</b>	Defective - return immediately
<b>Alarms After Warm Up With no gas present</b>	Contaminated sensor from an extended storage period. Press Test/Mute switch.
<b>Red/Green LED Constant Alarm No Reset</b>	Defective - return immediately

# LP GAS DETECTOR WARRANTY

## LED AND SOUNDER SIGNALS

<i>Color</i>	<i>Detector Operation</i>	<i>Sounder</i>
<b>Yellow Flashing</b>	Warm-Up Cycle	Off
<b>Solid Green</b>	Normal	Off
<b>Flashing Red</b>	Alarm	Continuous
<b>Flashing Green</b>	Mute Cycle	Off
<b>Flashing Red</b>	In Mute Cycle	Beep Every 30 Seconds
<b>Red/Green Alternating</b>	Malfunction	2 Beeps Every 15 Seconds

## SPECIFICATIONS

Power Supply..... 12 vDC  
 Operational Voltage.....7-16 vDC  
 Current Draw .....46 mA @ 13.5 vDC

Operational Temperature.....-31°F to 150°F  
 -35°C to 66°C

Relative Humidity..... 15% to 93%

Audible Output..... 85 db @ 10 feet  
 Visual Alarm Signal .....Blinking Red  
 Visual Mute Signal .....Blinking Green  
 Visual Malfunction Signal..... Alternating Red/Green

Alarm Trigger ..... < 25% of the LEL of Propane and Methane  
 Confirmation Circuit..... 8 Seconds  
 40-441 3" x 3.5" x 1.38"  
 40-442 6.5" x 3.5" x 1.38"  
 Alternate Case 40-442 4.8" x 3.5" x 1.3"

Case Material ..... Geon 3700  
 Flame Rating ..... 94 5V

Warranty..... 1 Year Limited

Testing Laboratory ..... Underwriters Laboratories  
 Standard..... 1484 Rev. 2 Gas Detectors For Residential /RV Use

## WARRANTY

Atwood Mobile Products (AMP) warrants its gas detectors to be free from defects in materials and workmanship for a period of two years from the date of purchase. The "Original Purchaser" is that person who purchases a new gas detector for their own use, or that person who purchases for their own use a new recreational vehicle in which a new gas detector has been installed. If there is any defect in the manufacturing of, or failure of any such gas detector which is reported to AMP within the aforesaid two year period, AMP will, within a reasonable time and without charge, make repairs and replacements as needed. In no case shall AMP liability under any other remedy prescribed by law exceed the purchase price. Your gas detector is not a substitute for Property, Disability, Life or other insurance coverage. Appropriate insurance is the owner's responsibility.

Atwood Mobile Products  
 Salt Lake City Operations  
 1874 South Pioneer Road, Salt Lake, UT 84104  
 ©1997 Atwood Industries, Inc.

Should problems or questions arise, contact your dealer or the Atwood Service Department (815) 877-5700.

## CARBON MONOXIDE DETECTOR WARRANTY

### LIMITED WARRANTY

Warranty Coverage: The manufacturer warrants to the original consumer purchaser, that this alarm will be free of defects in material and workmanship for a period of five (5) years from date of purchase. The manufacturer's liability hereunder is limited to replacement of the product, repair of the product or replacement of the product with repaired product at the discretion of the manufacturer. This warranty is void if the product has been damaged by accident, unreasonable use, neglect, tampering or other causes not arising from defects in material or workmanship. This warranty extends to the original consumer purchaser of the product only.

### WARRANTY DISCLAIMERS

Any implied warranties arising out of this sale, including but not limited to the implied warranties of description, merchantability and fitness for a particular purpose, are limited in duration to the above warranty period. In no event shall the manufacturer be liable for loss of use of this product or for any indirect, special, incidental or consequential damages, or costs, or expenses incurred by the consumer or any other user of this product, whether due to a breach of contract, negligence, strict liability in tort or otherwise. The manufacturer shall have no liability for any personal injury, property damage or any special, incidental, contingent or consequential damage of any kind resulting from gas leakage, fire or explosion.

Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

Some states do not allow the exclusion or limitation of consequential or incidental damages, so the above limitations or exclusions may not apply to you.

## LEGAL REMEDIES

This warranty gives you specific legal rights and you may also have other rights that vary from state to state.

## WARRANTY PERFORMANCE

During the above warranty period, your product will be replaced with a comparable product if the defective product is returned, postage prepaid, to KIDDE, Customer Service Department, 1394 South Third Street, Mebane, NC 27302, together with proof of purchase date. Please include a note describing the problem when you return the unit. The replacement product will be in warranty for the remainder of the original warranty period or for six months, whichever is longer. Other than the cost of postage, no charge will be made for replacement of the defective product.

## IMPORTANT

Do not remove back cover. Back cover removal will void warranty.

Your *Atwood Carbon Monoxide Alarm* is not a substitute for property, life or other insurance of any kind. Appropriate insurance coverage is your responsibility. Consult your insurance agent.

Also, Kidde makes no warranty, express or implied, written or oral, including that of merchantability or fitness for any particular purpose, with respect to the batteries.

The above warranty may not be altered except in writing signed by both parties hereto.

***Please send products and all other correspondence to:  
KIDDE  
Attn.: Customer Service Department  
1394 South Third Street  
Mebane, NC 27302***

The model number and assembly number can also be found on the label on the back of the CO alarm.

## FOR WARRANTY SERVICE

In many cases the quickest way to exchange your CO alarm is to return it to the original place of purchase. If you have questions, call the KIDDE customer service department at 1-800-654-9677 for assistance.

The following note is added as a requirement of the

## **National Highway Traffic Safety Administration (NHTSA).**

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

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

To contact NHTSA, you may either call the:

**Auto Safety Hot-Line toll-free at:  
1-800-424-9393**

(or 366-0123 in Washington D.C. area)

You can also obtain other information about motor vehicle safety from the Hot-Line.

or write to:

## **NHTSA**

U.S. Department of Transportation  
Washington, D.C. 20590

** A SYMBOL WHICH MEANS BE ALERT!  
YOUR SAFETY IS INVOLVED!**





P.O. Box 30  
423 North Main  
Middlebury, IN 46540  
[WWW.COACHMENRV.COM](http://WWW.COACHMENRV.COM)



Learn More  
Scan this barcode using  
a QR Reader on your  
smart phone to learn  
more about Forest River.



A Berkshire Hathaway company.

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Corporate Office  
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Elkhart, IN 46515-3030  
Phone (574) 389-4600