

RV MANUFACTURING ENTERPRISES, LLC



OWNERS MANUAL

Southwest Airsports, LLC  
[www.southwestairsports.com](http://www.southwestairsports.com)  
scanned by Hadley Robinson

# RV Manufacturing Enterprises, LLC



## 6 Month Inspection

Model # \_\_\_\_\_ VIN# \_\_\_\_\_  
Date of Inspection \_\_\_\_\_

### Appliances

- Furnace As Per Manufactures Recommendations
- Water Heater As Per Manufactures Recommendations
- Refrigerator As Per Manufactures Recommendations
- Range As Per Manufactures Recommendations
- Air Conditioner As Per Manufactures Recommendations
- Generator As Per Manufactures Recommendations

### Electrical Systems

- Interior Lights
- Exterior Lights

### Exterior

- Entrance Door / Lock
- Window Operation
- Screen Door Adjustment
- Roof Sealant ( Replace As Needed)
- Locks – Lubricate

### Running Gear

- Wheel Lug Nuts
- Tire Pressure

## WARNING

**This inspection should be performed at six (6) month intervals for as long as you own your recreational vehicle. Repairs to this RV that are determined to be from lack of maintenance will not be considered warranty and will be the responsibility of the vehicle owner. Some inspections should be performed more often, consult the individual manuals for manufacturer's recommendations.**

(Make copies of this form and retain proof of inspections for your records)

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## Forward

Thank you for selecting an Ameri-Camp RV. We are confident that you will enjoy your new travel trailer or fifth wheel for years to come. So that you can get the most from your purchase, be sure to review the operation, care and maintenance information contained in this manual. The following pages are written with you in mind.

Contact your dealer with any problem you may have. If your dealer is unable to solve the problem, feel free to contact Ameri-Camp Customer Service at 866-528-6007.

This manual was written specifically for Ameri-Camp travel trailer or fifth wheel products. The instructions and information should not be applied or used in reference to other companies' products. The enclosed information may not be copied without the written permission of Ameri-Camp. The manufacturer reserves the right to change specifications and prices without notice or incurring obligations.

## **PLEASE KEEP THIS MANUAL IN YOUR VEHICLE AT ALL TIMES.**

### **Urgent**

It is imperative that the dealer you purchased your Ameri-Camp built product from has filled out the **Owner Registration and Warranty Form** and that form has been sent to Ameri-Camp PO Box 249, Syracuse, IN 46567.

Your Ameri-Camp product **will not be covered under our warranty program** until this form is received by Ameri-Camp.

It is in your best interest to make sure that your dealer has taken care of this form.

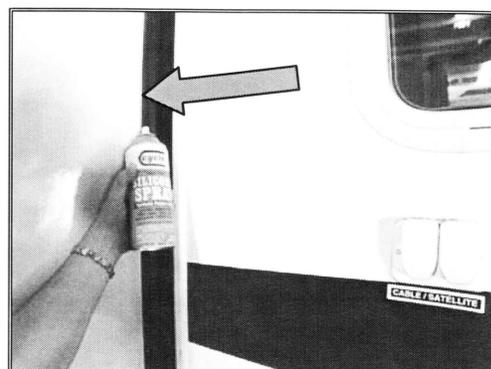
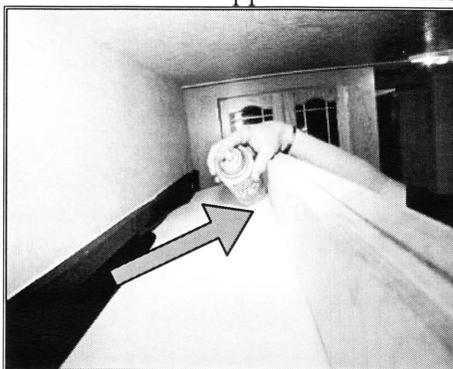
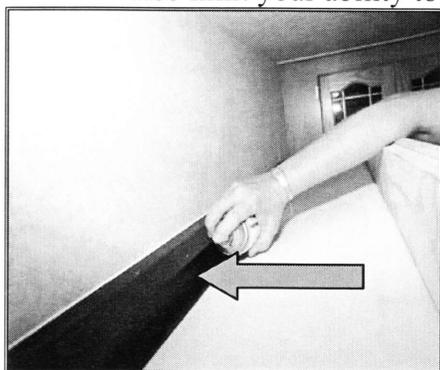
Thank you,

Ameri-Camp Customer Service Department

### **Important Checklist**

- Your dealer will give you a good "Walk Through" to explain all the features in your coach. But if you still have questions, be sure to ask your Dealer for clarification **BEFORE YOU LEAVE ON YOUR FIRST TRIP.**
- Protect your plumbing! Use a water pressure regulator on the city water hookup, and never exceed 45psi.
- Be careful not to turn the water heater on electric mode without water in the reservoir. Doing so can burn out the heating element, and that is not covered by warranty.
- Lubricate the locks on your entry door and compartment doors four times a year.
- **CHECK YOUR CAULKING!!!** This is one of the most important things you can do to preserve your investment. At Least four times per year, you should inspect all caulking for separation and cracking, especially the seams on the roof and all along the front and rear end.
- Re-pack your axle wheel bearings every 12 months or 12,000 miles, even if you have not traveled many miles. This will prevent the bearings from drying out.
- To maintain the beauty of the finish on the outside of your coach, you should wax it at least twice a year.
- Avoid bending the front jack legs. Use the jack motor (if this option is applicable) to extend the exterior part of the telescoping leg (the strongest part of the leg) at least 10 to 12 inches. Extend the interior part of the leg the least amount that is absolutely necessary because it is not as strong. See bulletin at the back of this manual.
- Avoid fading of fabrics and carpet. Sun fading is not covered by warranty. To prevent fading, avoid prolonged exposure to direct sunlight. Always close the shades or blinds while your coach is not in use.

- To keep your slide out rooms operating smoothly, always keep the tops of the rooms clean and free from all debris. Dust, leaves, and other debris can collect on the top, causing drag or friction that will result in wear of the mechanical parts of the room. Wash the tops often.
- **REGULAR MAINTENANCE OF YOUR SLIDE OUT IS VERY IMPORTANT. USING A NON - PETROLEUM BASED SILICONE SPRAY (SEE PICTURES below) IS RECOMMENDED TWICE A YEAR.**
- Match your truck or tow vehicle to your trailer. Check the GCVWR (Gross Combined Vehicle Weight Rating) in your truck or tow vehicle's manual.
- Keep an amp meter in your coach, and check the amps of electricity at your park site.
- Low amperage can damage your appliances (circuit boards, appliances motors). Low amperage may also limit your ability to run more than one appliance at a time.



### WARRANTY SERVICE

Tires, refrigerator, water heater, furnace, range, batteries, charger/converter, generator, water pump, lavatory and other appliances carry their own manufacturers' warranty (information for which is included in an information packet inside your coach) and is **not covered** by the Ameri-Camp limited Warranty. Operation and maintenance manuals for these items are also included in the packet.

Your Ameri-Camp limited warranty covers components and parts of the body structure manufactured and assembled by Ameri-Camp. The complete text of the warranty can be found on pages 29-32 of this manual. Please familiarize yourself with it.

Should you have a problem with your coach or equipment, contact your dealer, who will service your coach or will determine if the manufacturer of a separate item needs to be notified. Ameri-Camp buys its components from reputable companies, and you should be assured of their cooperation in solving your problem. They, too, are proud of their products!

If you find it necessary to have any work done on your coach at a place other than an authorized Ameri-Camp dealer, and you would expect reimbursement for the work, you must obtain approval of the estimated cost by our Warranty Department prior to the beginning of any of the repairs. In your correspondence with the Warranty Department, please include the serial number of your coach, your complete address, and telephone number. In an emergency, contact Ameri-Camp Customer Service Department at 866-528-6007 to help you locate an authorized service dealer.

## GENERAL INFORMATION

### Landing Gear

Use the jack motor (if this option is applicable) to extend the exterior part of the telescoping leg (the strongest part of the leg) at least 10 to 12 inches. Extend the interior part of the leg the least amount that is absolutely necessary because it is not as strong. (Please review the bulletin on “Jacks” at the back of this manual for additional information on the proper use of your landing gear.)

### Stabilizing Jacks

Never use stabilizing jacks to lift your coach. They are only to be used in a snug position under the frame to stabilize your coach.

### Brake Control

The brake control for your Ameri-Camp towable should be mounted inside your tow vehicle and should be located as per your vehicles manufacturer’s instructions. The brake control is installed so that the RV’s electric brakes are applied at the same time as the tow vehicle’s brake pedal. The hand lever on the brake control unit enables you to apply the RV brakes independently of the tow vehicle.

### Wiring Harness Code

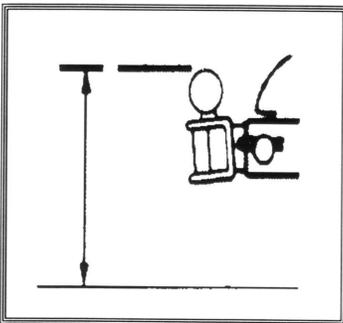
Your tow vehicle should be wired to the 7 way molded electrical plug. A color designated 7-way molded plug chart is enclosed in the back of this manual. Match your tow vehicle wiring harness to this code.

Self-contained coaches are built to accept their own battery system. This enables you to wire a **charge** line from your tow vehicle’s alternator to your tow vehicle plug’s black terminal. This line will charge your RV battery when you are in transit. Your RV battery is also charged whenever you are connected to 110V power.

### Type of Hitch (Trailers)

Use a hitch that will safely accommodate the weight of the trailer purchased. It is recommended that you purchase an equalizer hitch from a reputable manufacturer, and that the hitch be equipped with an anti-sway control system. It is **very** important for your tow vehicle and trailer to ride in a level position. To be level, you must start with proper hitch ball height.

### Ball Height (Trailers)



Ball height is the measured height from the ground to the top of the ball. Your tow vehicle must be on level ground when measuring. The ball height should be located so the trailer is being towed in a level position. Make sure the ball height is **correct** when the hitch is welded or bolted to your tow vehicle’s frame. All makers of trailers have different ball heights, depending on axles, springs, dimensions of frame, tire size, etc. Therefore **be sure not to use any height other than our recommended height for your particular model.** Do not let any hitch installer deviate from this height.

Your Ameri-Camp product requires a hitch ball of 2-5/16” in diameter. The 2-5/16” coupler has a rated capacity of 10,000 pounds. The coupler jack has a lifting capacity of 2,000 pounds.

If your tow vehicle had a hitch prior to your purchase of an Ameri-Camp coach, the ball height may be **incorrect**. Make certain your dealer or hitch installer complies with our specifications.

### **10° Pitch**

Your tow bar should extend straight from under your tow vehicle (it should be installed that way). The head, which holds the ball, should have a 10° tilt back. This enables easy uncoupling. If the tow bar comes out at an angle, you will need to increase the angle, as necessary. The pitch may also need to be increased up to 15° to compensate for a tow vehicle with soft suspension or a longer, rear hangover. The head pitch is important. Without it, your equalizer bars will angle up toward your trailer's A-frame. Your bars should run parallel to and under the A-frame.



**Correct**

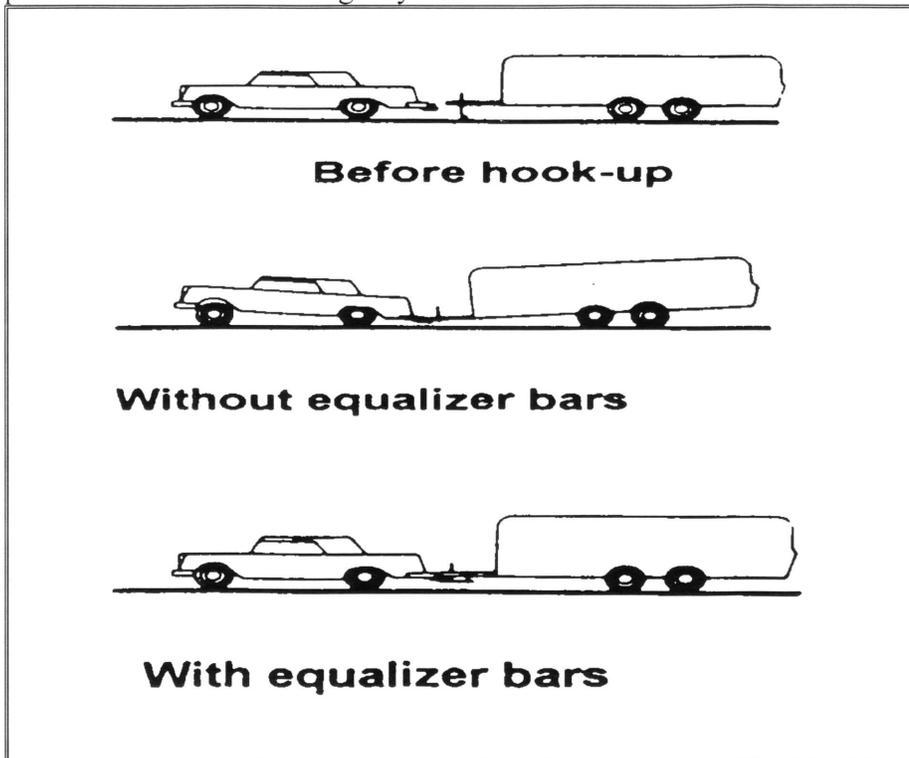


**Incorrect**

The top of the ball will match the coupler height on your coach if you use our specified height.

### **Equalizer Hitch**

With proper ball height, your equalizer hitch will do the job for which it was designed. The hitch will enable your tow vehicle and the trailer to maintain a balanced, level position as you travel. It also is important to make sure your equalizer hitch is adjustable to the proper chain link on the equalizer bar. If your tow vehicle ever has too much slippage of the rear (drive) wheels, you have taken up too many links. If you notice that your front wheels steer too easily, you have not taken up enough links. Proper adjustment of your equalizer hitch will provide more stable towing of your trailer.



Weak springs or shock absorbers in your tow vehicle should be replaced. Do not try to “beef them up” with air shocks. Even with correct ball height, it is easy to throw off your equalization by using air shocks, overloading the rear of the tow vehicle or carrying too many people in the back seat of your tow vehicle. If you do use air

shocks, do not use very much inflation. The use of as little as 15 psi in your air shocks will begin to disrupt the equalizing action of your hitch.

### **Break-away**



Your RV is equipped with a break-away system. On travel trailers, it is located at the front of the A-frame. On fifth-wheels, it is located on the pin box. The break-away system is required in most states. Loop the break-away cable in a position on your tow vehicle that allows plenty of slack in the line. Be sure this is one of the **first** items you disconnect when uncoupling your trailer from the tow vehicle. If the tow vehicle is moved forward while the brake-away cable is still connected the circuit will automatically set your RV brakes. In time, this could drain the RV battery.

### **Safety Chains**

Most states require safety chains between your tow vehicle and your trailer (this is usually strictly enforced). Make sure there is ample slack in the chains to allow your tow vehicle to turn properly.

### **Automotive Rear-end Gear Ratios**

In recent years, American automobile manufacturers have changed rear-end gear ratios to improve gas mileage. Because of those different ratios it is highly recommend that you purchase the trailer towing package offered on most vans, trucks, and SUV's. The vehicle manufacturer then assures that the rear-end gear ratio will be correct for towing an RV.

### **Loading**

Do not load more than the difference of your coach weight versus the Gross Vehicle Weight Rating (GVWR) shown on the weight sticker on your coach. For example, if your coach's overall weight is 6,017, and your GVWR is 7,650 pounds, you could add 1,633 pounds while maintaining proper distribution (see individual weight document for your coach).

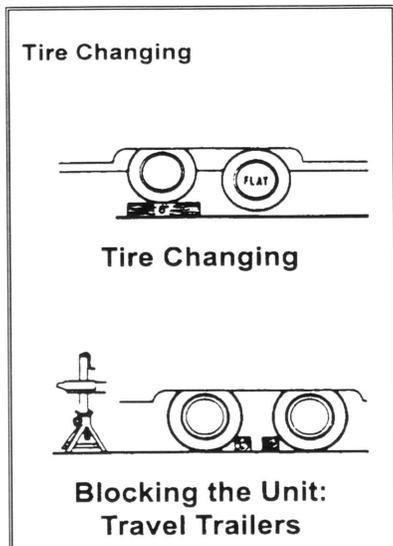
Cabinets, water tanks, etc. are designed and positioned for proper coach balance. If you overload the coach or add heavy objects, the balance will be disrupted. Never carry a heavy motorcycle on the rear of the coach. This additional overhang weight on the rear of the coach will take away needed hitch weight. That, in turn, will take needed weight away from the tow vehicle's rear wheels. Ameri-Camp has designed your coach for normal vacation living. This does not include hauling a motorcycle or any other freight.

### **Tire Size and Pressure**

Please review the customer bulletin at the back of this manual for correct tire information.

## Tire Changing

Jacks are not needed to change a tire. The easiest way to change a tire is by simply pulling or backing the good tire up onto an eight inch or higher block of wood (see illustration). Emergency flares or flags are an added safety precaution when tire changing is necessary on the road. These items are available from your dealer.



## Blocking the Coach: Travel Trailers

You should carry several blocks of wood to place between the wheels of your coach if it is ever necessary to park on a slight incline. This will help keep the coach from rolling. A metal jack stand should be used under the front jack stem when coupling or uncoupling your tow vehicle from the trailer. Using a jack stand, instead of a dolly wheel or a block of wood, will assure a positive ground for your RV electrical system. The use of a jack stand avoids unnecessary cranking and helps stabilize the RV.

## Blocking the Coach: Fifth Wheels

As with travel trailers, you should carry several blocks of wood to place between the wheels of your fifth wheel if it is ever necessary to park on a slight incline. This will help keep the coach from rolling. The metal pads on the landing jacks of your fifth wheel will provide a positive ground. If planks or wood blocks are used under the metal pads the coach should be grounded by using a bare wire or small chain from the jacks or bumper to the ground.

## Blocking the Coach for Long Periods of Time

1. Level the ground at the location where the wheels of your coach will be. Lay planks on the ground at this location, and then pull your coach up on the planks. Make sure both planks are level by putting another board crosswise from one plank to another and using a carpenter's level on it.
2. Beginning with the wheels level, blocking is easy. Stand back and sight your coach to a point where it is level from front to rear by raising or lowering the front stem jack or landing jacks. Place your stabilizing jacks approximately six to eight feet apart, evenly spaced, along each side. Take up the slack by removing a little weight from the wheels. The coach wheels should carry most of the weight. Your coach should be re-blocked **twice a year** to allow for annual frosts and thaws.

## **SUGGESTED TRAVEL EQUIPMENT**

The following items can help bring convenience and peace-of-mind to your RV travels:

### **Sewer Hose**

A sewer hose may be obtained from your dealer. It stores in a special container on your coach. You may need an adapter to connect the sewer hose to the termination valve after the sewer cap is removed. Place the adapter on one end of the sewer hose and leave it there.

### **Water Hose**

A water hose is available from your dealer. Be sure you get at least 50 feet of hose. If you purchase a hose other than what your dealer can offer, make sure it has sufficient strength to handle high water pressure. Also make sure it is a quality product to avoid poor tasting water.

### **Lug Wrench (not supplied with coach)**

Check your wheel lugs after the first 100 miles, then periodically after every few thousand miles.

### **Level**

A level is needed to assure that your coach is relatively level so that the gas refrigerator will function properly. With a little experience, you can usually level your coach simply by sight.

### **Safety Equipment**

Your coach comes equipped with at least one fire extinguisher. Familiarize yourself with its location and operation. Also make sure you change the batteries in your coach's smoke detector before every trip and frequently check for proper operation.

Familiarize yourself with all safety precautions noted by the manufacturers of appliances and accessories included in the information packet inside your coach.

There is an escape window on your Ameri-Camp travel trailer or fifth wheel. To operate the escape window, pull up the two handles at the bottom of the window and push the window out. The escape window can be pushed back into place and the two handles returned to the locked position.

## **OPERATION**

### **Hitching Your Tow Vehicle: Travel Trailers**

After positioning the tow vehicle, (1) Lock the trailer coupler onto the hitch ball. (2) Jack up the trailer approximately ten cranks (this will lift the back of the tow vehicle to make it easier to attach the equalizer bars.) (3) Attach the equalizer bars. (4) Install the bar chains to the snap-up brackets in the linkage (this will provide the leveling action for the tow vehicle and trailer). Then put the safety pins in the brackets. (5) Connect the Bargman plug. (6) Hook up the break-away cable. (7) Attach the safety chains. (8) Retract the jack stem all the way up by turning the crank counter clockwise.

Remember: "First locking, last unlocking." When you first connect your tow vehicle to the trailer, the first step is to lock the coupler over the ball. If you fail to **lock** the coupler as the first step, you will have to start all over again. The very last step in disconnecting your tow vehicle from the trailer should be to **unlock** the coupler from the ball.

## Hitching Your Tow Vehicle: Fifth Wheels

In hitching your tow vehicle to your fifth wheel, remember that your first step must be to lock the hitch pin in the hitch jaws. Your last step should be to unlock the hitch pin from the hitch jaws. For specific instructions, consult the operating guide for your particular make of hitch. **Here is how to avoid damage to your jack legs:** customers commonly lock their hitch on the pin box and then pull forward to test the lock. This method can bend the jack legs. A better idea is to raise the jack legs one inch, hook up the breakaway, and the bargman plug, then pull forward. This way you test the breakaway, the brakes, and you ensure the hitch pin is secure without bending the jack legs. If the hitch is not secure, the coach will drop only one inch- and no harm done.

## Towing

Ameri-Camp products tow with ease when used with a proper hitch. The more power your tow vehicle engine has, the easier towing will be.

Strong winds will affect pulling your coach. Extra caution and lower speeds are wise habits when cross winds occur. The coach will buck strong winds better with a little weight added to the forward section. In the event of strong winds, it is always wise to pull off the road and wait for the wind to die down. Remember: **safety first!**

When passing another vehicle, remember that you have the added length of your coach behind you. Your tow vehicle will not have the same amount of pick-up speed you are accustomed to without the coach. For that reason, allow ample passing time and allow for adequate clearance before pulling back into the travel lane. Outside rear view mirrors are a must to assure safe passing.

Do you think backing your coach up will be a problem? Here is an easy method for new coach owners: Place your hand at the bottom of the steering wheel. To turn your coach to the left while backing, move your hand to the left. To turn your coach to the right, move your hand to the right. Your tow vehicle should go the opposite way that you want the coach to turn. Backing your coach will become easier with a little practice.

Coach sway can result from improper hitching, vacuum from truck passing, over-correction while steering, and high winds. A firm handhold on the steering wheel (with both hands) is a must. Reacting with panic compounds the problem. The coach can sway once from the wind or vacuum, but will come back to a stable position, providing the driver holds the steering wheel steady. To correct sway, use the **hand brake** (on your coach brake control unit) while accelerating your tow vehicle. This will correct the situation. **CAUTION: DO NOT DIVERT YOUR EYES FROM THE ROAD WHILE PERFORMING THIS FUNCTION.**

Before ever pulling your coach, familiarize yourself with hand brake operation. Here's a good exercise while your tow vehicle is parked: In the driver's seat, while looking straight ahead, reach down and grasp the brake. Do it ten times-without looking-so it becomes an automatic reaction. It is imperative for all drivers to be thoroughly familiar with the hand brake when dealing with strong cross winds and trucks. Anyone who drives the tow vehicle should practice the exercise noted above.

If your coach goes off the edge of the road, do not turn back too abruptly. Be calm! Turning back too quickly causes a sway. Once again, we remind you to read the above section on winds and braking. Remember, almost all trailer accidents result from winds and lack of braking and handling knowledge.

## GENERAL CARE AND MAINTENANCE

### Sealant Renewal

The adhesives and sealants used in the construction of your coach were developed to remain waterproof under sustained effects of weather and vibration. However, even the finest materials will eventually dry out and lose their effectiveness under the constant heat of the sun, attack by other elements and road vibration. This section

outlines the procedures that you must follow to maintain the weather-resistant integrity of your coach. Leak damage caused by neglect to follow these procedures may invalidate your warranty.

Your dealer can perform the resealing inspection and work for you. Your dealer should have current information on sealants used in your coach and can recommend the appropriate sealants if you prefer to do this work yourself. Always use the recommended sealants.

To protect your coach from possible water intrusion damage, it should be inspected thoroughly and resealed quarterly. Inspect the sealant around the roof moldings, windows and doors at least every four (4) months. If any of the following are evident during inspection, the affected areas must be resealed:

- Weathering or drying of sealant.
- Sealant cracked or peeling.
- Voids in sealant.
- Shrunken or separated sealant.

Clean all areas to be resealed with mineral spirits. Make sure that all areas to be resealed are absolutely dry before new sealant is applied.

Mineral spirits is a flammable liquid. Use extreme care when handling. Do not expose to open flame, sparks, or smoking materials. Do not use in unventilated areas

Check and tighten any loose fasteners. Be careful not to over-tighten, or stripping may occur.

**If you find any of the above:**

If areas on the roof need to be resealed, remove any loose or cracked sealant, being careful not to damage the roof. Use a wooden or plastic scraper that will not gouge, pierce or otherwise damage the roof. The roof can be cut or punctured by sharp objects.

Apply the new sealant in a continuous bead along the seams and flanges, being careful not to leave any voids. Apply enough sealant to flow over the heads of all fasteners.

Allow at least 48 hours for the sealant to set up completely (firm and tack-free when pushed with the thumb) before washing or waxing the coach.

**Exterior/Interior Cleaning**

Appliances, furnace, blowers and water pump should be kept clean. Exterior metal, trim and fiberglass require at a minimum an annual cleaning and waxing. Roof seams, vents, and running lights should be inspected quarterly for deterioration of caulking. Re-caulk and re-seal them as necessary, using high-quality caulking and roof sealant made to adhere to fiberglass or metal (whichever your coach is equipped with).

Wash your coach on a regular basis. Use warm water and a mild detergent to clean the finish. For stubborn dirt or marks on fiberglass exterior, use a paste wax cleaner. It is possible for hairline cracks to occur on the fiberglass parts. These are not fractures and they will not weaken the part in any way.

Please remember when cleaning the exterior to include the undercarriage, with special attention to units subjected to wintertime road grimes. This can help prolong the usefulness and durability of your recreational vehicle.

**Vinyl Roof**

The proper care, cleaning and maintenance of your TPO Roofing is quite simple because of the basic properties and longevity of the material itself.

Quarterly inspection of the roof is **highly recommended**. Check the membrane for possible damage and check the caulk/lap sealant used in all termination areas and around all accessories and fasteners.

Periodic cleaning is the primary maintenance. Dicor Corporation suggests using products such as, 409™, Fantastic or other mild detergents. **DO NOT USE HARSH ABRASIVES OR PRODUCTS CONTAINING SOLVENTS.**

When cleaning, rinse thoroughly with clean water to avoid residue build-up on the roof and/or sidewalls of the coach. Parking in areas where fruit or tree sap may stay on the roof for extended periods of time may result in non-removable stains.

If you keep your Dicor roof clean, you will be performing the primary maintenance necessary to keep it looking good and extend its longevity.

Vinyl roofs that are installed on Ameri-Camp products are warranted by the vinyl roof manufacturer for five (5) years against “Premature deterioration to the point of failure because of weathering **“if properly maintained.”** More detailed information may be found in the pamphlet on vinyl roofs in your Owner’s Packet. **Installation** of the vinyl roof carries a one (1) year warranty against defects in materials and workmanship attributable to Ameri-Camp.

### **Shower Cabinets/Tubs**

Shower cabinet/tub units can be kept clean with ordinary household liquid cleaners. Do not use scouring powders, abrasive cleaners or solvents, as they will scratch and dull the surface.

### **Exterior Fiberglass**

The fiberglass exterior will stay beautiful for many years. It will, however, be easier to keep clean if it is waxed annually or as often as necessary. Any automotive type wax is satisfactory. The wax coat will last longer if a paste wax is used. If the surface should become dull, yellowed or chalky, or it develops hairline cracks, check with your dealer for the steps required to restore the finish, or contact Ameri-Camp. (Please review additional maintenance bulletins in the back of the manual.)

### **Decorative Paneling/Ceiling**

Interior paneling and cabinets are covered with a vinyl coating to help prevent minor scratches. A wax product such as Pledge® is recommended for cleaning the vinyl-coated surfaces. A wax product is all that is ever needed for the lifetime of your paneling and cabinets. Do not use abrasives or products recommended for cleaning, refurbishing luster or refinishing. These can damage the protective vinyl coating.

### **Countertops**

The laminated countertop in your Ameri-Camp travel trailer or fifth wheel is designed to resist normal spills and heat. Avoid prolonged use of abrasive cleaners on the countertop, as this could dull the surface. Also protect the countertop with hot pads for hot cooking utensils from the stove or oven, and use a chopping block when cutting on the countertop with a sharp knife.

### **Carpeting**

Wall-to-wall carpeting in your travel trailer or fifth wheel should be cared for in the same way as your carpeting at home. It should be vacuumed regularly to remove dirt and grit that can cause unnecessary wear. Dirt and grease stains can be spot cleaned with a quality spot cleaner. If shampooing is necessary, it is best to have it done by a professional carpet cleaner for optimum results.

### **Cushions and Drapes**

All drapery fabrics and cushion covers (sofa, flip sofas, dinette cushions, and chairs) must be professionally dry cleaned. Zippered slipcovers can be removed for cleaning. Follow cleaning directions on the labels. You should avoid anything that may cause fading of fabrics and carpet. Sun fading is not covered by your warranty. **To prevent fading, avoid prolonged exposure to direct sunlight.** We encourage you to close the shades or blinds while the coach is not in use for protection from sun fading. Fading from sunlight is not covered on your Ameri-Camp warranty.

## **Bedspreads**

The bedspread fabrics are washable in cool water on gentle cycle. They should not be dried in a dryer. Bedspreads may also be dry cleaned.

## **OPERATION OF EXTERIOR FEATURES**

### **Entry Door**

If your coach is equipped with dead bolt locks, an occasional drop or two of WD40® will keep the entry door operating smoothly. The same is true for all of the locks on doors and storage compartments. Entry doors feature built-in screen doors.

### **Awning Rail**

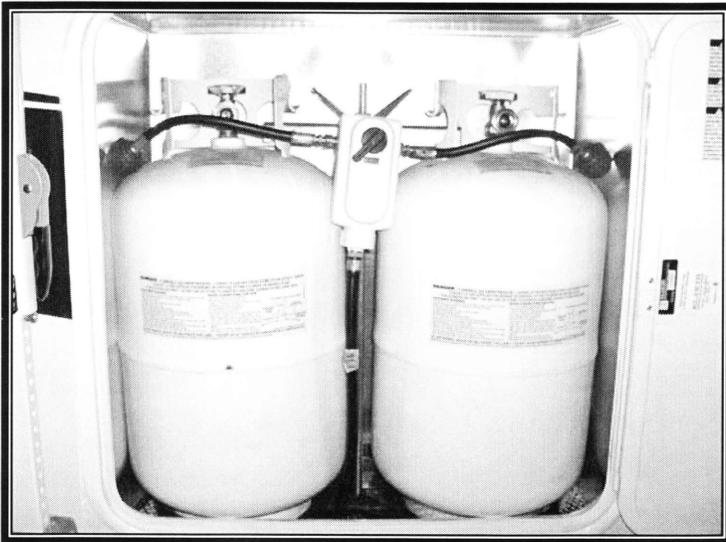
For your convenience, your travel trailer or fifth wheel is equipped with a built-in awning rail to simplify installation of an optional awning.

### **Awnings**

Your Ameri-Camp travel trailer or fifth wheel may be equipped with a front awning. Be sure to lower the awning in event of high winds, rain, or wet, heavy snowfall.

## **SYSTEMS AND APPLIANCES**

### **The LP Gas System**



The furnace, range, water heater and refrigerator in your travel trailer or fifth wheel operate on LP gas. Your coach is equipped with two standard gas bottles, a two-tank cross-over control valve (for automatic changeover), a low-pressure regulator and two pigtail assemblies (with left-hand threads). This system operates with full, automatic changeover from supply tank to reserve tank when both tank valves are open. When one tank is empty, the two-tank crossover control valve will automatically turn on the full tank, while shutting off the empty tank. The “arrow” between your tanks is for your convenience. Point this toward the tank you are using or the one you have turned on first. This way, you will always know which tank you are using, and which one is the full one. Be sure to turn the arrow toward the tank in use before removing the empty bottle. The

empty tank can then be disconnected from the system for refilling, without cutting off the flow of gas to the operating appliances.

### **Filling LP Gas Bottles**

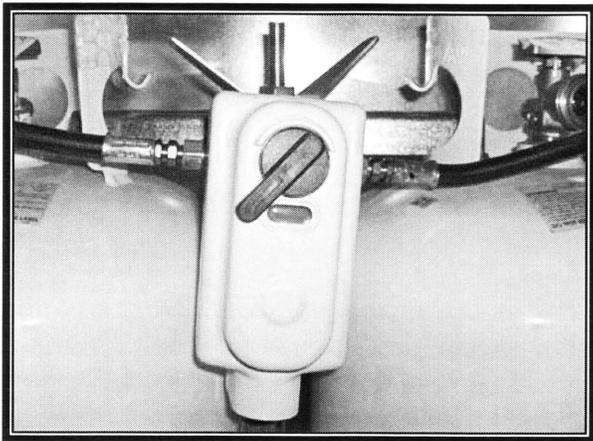
**WARNING: DO NOT FILL THE LP GAS TANK TO MORE THAN 80 PERCENT OF CAPACITY. (ALL TANKS EQUIPPED WITH OVERFILL PROTECTION)**

Overfilling the LP gas tank can result in uncontrolled gas flow which can cause fire or explosion. A properly filled LP gas tank will contain approximately 80 percent of its volume as liquid LP gas. Use extreme caution when having the gas bottles filled. An over-filled LP gas tank can cause gas appliances to malfunction, and could prove hazardous when tanks are completely filled. A tank may be filled with LP gas to approximately 80 percent of its total volume, depending upon the temperature. Complete operation and maintenance instructions are included in the information packet with your coach.

The liquid content of an LP gas tank can be checked by placing the palm of your hand at the base of the tank and then moving your hand upward. The point where the tank turns from cold to warm indicates the top of the LP gas within.

**WARNING:** LP gas containers should never be placed or stored inside the coach or any other vehicle. LP gas containers are equipped with safety devices which relieve excessive pressure by discharging gas into the atmosphere.

### **Regulator**



The regulator is the heart of your LP gas system. The regulator has been carefully adjusted by the manufacturer. Never attempt to adjust this unit yourself. If adjustment is necessary, see your authorized service dealer. When the travel trailer or fifth wheel is not in use, keep the LP gas tank's main valve closed, even if the tanks are empty. This will prevent moisture from collecting inside the tank or regulator.

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

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

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.

## Electrical Systems

### 110-Volt Electrical System

Some outlets on the walls are part of the 110V electrical system. The system is wired according to National Electrical Code and NFPA 1192 standards.

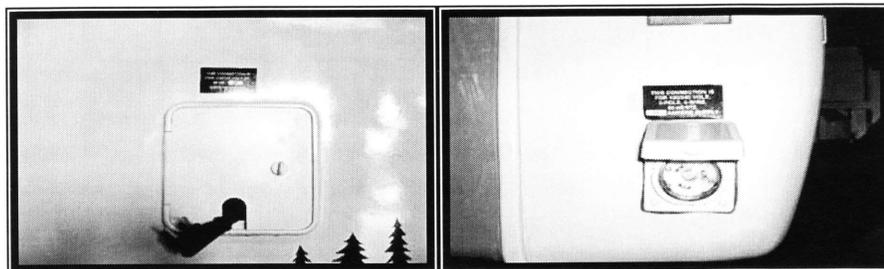
A lifeline cord (110V electrical hook-up) is attached directly to the circuit breaker box. All coaches are pre-wired for air conditioning.

The circuit breaker box for the 110V system is located inside the travel trailer or fifth wheel. The specific location of the box will vary, depending on the particular model. Make sure you know the location of the breaker box in your travel trailer or fifth wheel. A main circuit breaker protects the entire system and the lifeline cord. Individual circuit breakers protect the various branch circuits. If you should have an electrical problem, check first to see if one or more of the circuit breakers is tripped. Replacement circuit breakers are readily available at most electrical supply houses and hardware stores.

### G.F.C.I. Outlets

Your Ameri-Camp travel trailer or fifth wheel is equipped with Ground Fault Circuit Interrupter (GFCI) outlets in the exterior receptacle, kitchen and bathroom areas. These outlets are designed to reduce electrical hazards when using small appliances near water. An instruction booklet is included in your information packet.

### Lifeline

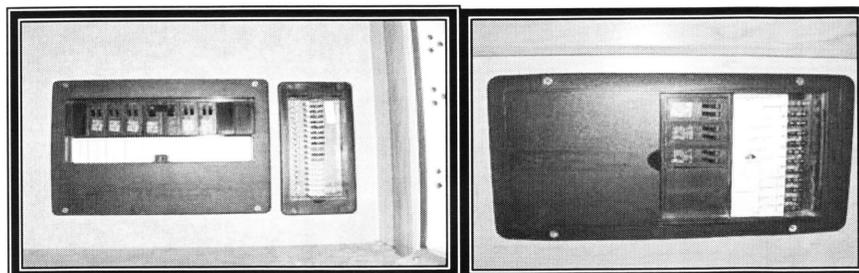


The lifeline has a special plug rated for 30 amp electrical service, 50 amp in some models.

### Air Conditioner

If you do not have a factory installed air conditioner in your coach; there is an air conditioning circuit from the breaker box to a pre-wired vent. The ceiling vent area has been reinforced to handle the weight of the air conditioner. When removing the vent, the wire can be found and connected to the air conditioner. For your convenience, a 20 amp circuit breaker is already installed in the breaker box, and the wire has been connected to it.

### 12-Volt Electrical System



50amp with separate 12-volt

30 amp combined 12-volt

The 12V electrical system operates either from the RV battery or through the converter when your travel trailer or fifth wheel is plugged into a 110V source. When operating from the battery, your electric usage should be conservative. The following items operate on the 12V electrical system: reading lights mounted under cabinets; ceiling lights; kitchen, bath, range and storage compartment lights; power ceiling vents; furnace; and water pump.

The 12V circuit breaker for the water system pump is located in the 12V breaker panel. The RV battery is located in a compartment accessible from outside the coach. The 12V fuse panel is located inside the coach. The fuses protect the 12V branch circuits, as well as the charge line.

Running lights, brake lights and turn signals operate only when the coach is connected to the tow vehicle. The charge line is protected by a fuse by the low voltage panel.

### **Charger/Converter**

The converter in your trailer or fifth wheel is matched to the 12V system. When you plug into an 110V power source, the converter also charges the RV battery. The charger circuit is designed to cut back when the RV battery is fully charged. As you drive, a charge line from the tow vehicle will also recharge the RV battery.

### **Fresh Water System**

Your travel trailer or fifth wheel's self-contained fresh water system consists of a water tank, a water heater, and a 12V water pump. The pump maintains a constant pressure in the system. This is called a "demand" water system. There is a manual ON/OFF switch that allows the pump to be turned off when traveling, when hooked to city water, or when the travel trailer or fifth wheel is not in use. The pump is protected by a circuit breaker.

### **Water Pump**



The water pump is located near the fresh water tank and is controlled by an ON/OFF switch mounted in your coach. When the switch is ON and the battery is charged, or your coach is plugged into 110V, the water pump will automatically turn on if the pressure in the system drops to approximately 20 pounds per square inch. The pump will automatically turn off when the system reaches a pressure of 40 pounds per square inch. The switch should be placed in the OFF position when the coach is hooked to city water or when the coach is not in use.

### **Plumbing Components**

Ameri-Camp travel trailers and fifth wheels use PEX hot and cold water piping systems. This high-strength, high temperature, cross-linked polyethylene material is National Sanitation Foundation approved. Only PEX crimp rings and fittings should be used with PEX tubing.

## **Water Heater**

Detailed lighting instructions for your coach's water heater are contained in the booklet supplied by the water heater manufacturer. It is located in your information packet. To assure that the water heater is filled with water, see the procedure for filling the water system in the following section.



Your coach is equipped with a gas/electric water heater. A lighted red wall switch is provided in the electric circuit on such installations. Your electric water heater or the electric side of your gas or gas/electric water heater also has an electric switch on the heater itself, which must be turned on before the water heater will operate.

**CAUTION:** Do not turn on either of these switches before the water heater tank has been filled. Doing so will cause failure of the electric heating element. This is not covered by your Ameri-Camp warranty.

If your water heater malfunctions, develops a service problem, requires a burner adjustment, etc. please refer to the service manual and warranty information that is included in the information packet.

## **Filling Your Fresh Water Tank with A Hose**

Insert the hose into the tank filler opening then turn on the water. Make certain the air line from the tank is open. This allows the air to escape from the tank as it is filled with water, when the water tank is full, turn on the water pump to pressurize your system.

## **The Bucket Fill Method**

This method, adding water through the filler neck, is a commonly used way to replenish the system, and is usually the only method available in older campgrounds. After filling your tank, turn on your pump to pressurize your system again.

You now have a full tank and can draw the water from this tank simply by turning on your water pump.

Opening the cold water faucets allows the air to bleed out of the cold water lines just as soon as there is pressure in the system. Opening the hot water faucets allows air in hot water lines and water heater to bleed off. The heater fills from the bottom and the water is forced out of the top outlet pipe by more water entering through the bottom inlet pipe. If you don't open a hot water faucet, no water will enter due to an air block in the heater tank.

## **Disinfecting Potable Water Systems**

To assure complete disinfection of your potable water system, as recommended by the U.S. Public Health Service, it is recommended that the following procedure be followed on a new system, one that has not been used for a period of time, or one that may have become contaminated. This procedure is also recommended before long periods of storage, as over the winter:

1. Prepare a chlorine solution using one (1) gallon of water and  $\frac{1}{4}$  cup of household bleach (sodium hypochlorite solution). With the tank empty, pour chlorine solution into the tank. Use one (1) gallon of solution for each 15 gallons of tank capacity. This procedure will result in a residual chlorine concentration of 50 ppm in the water system. If a 100 ppm concentration is required,

use ½ cup of household bleach with one (1) gallon of water to prepare the chlorine solution. One gallon of the solution should be used for each 15 gallons of tank capacity.

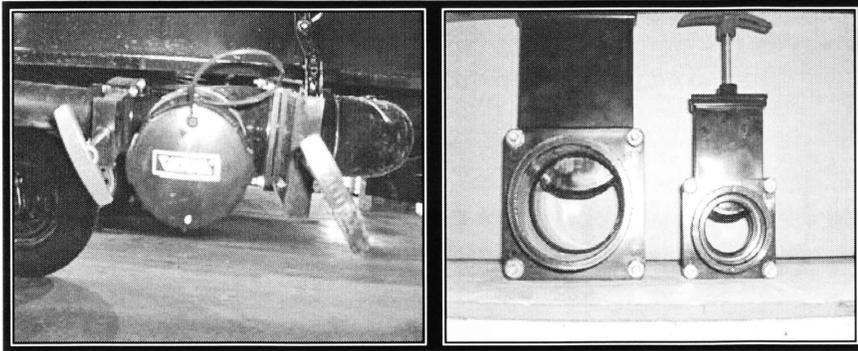
2. Complete filling of tank with potable water. Open faucet and run the water until a distinct odor of chlorine can be detected in the water discharged. Do not forget the hot water taps.
3. Allow the system to stand for at least four (4) hours when disinfecting with 50 ppm residual chlorine. If a shorter time period is desired, a 100 ppm chlorine concentration should be permitted to stand in the system for at least one (1) hour.
4. After the standing period, drain and flush the water system with potable water.

## **Waste Water System**

### **Holding Tanks**

Your travel trailer or fifth wheel is equipped with two main holding tanks, which are mounted between the main cross members of the frame, under the floor (on all slide out models). There is a layer of R7 insulation between the tank cover and the holding tank, and an air space in which heat from the furnace is ducted. This design protects your holding tanks in cold weather.

Ameri-Camp recommends the use of commercial holding tank additives to control odor and to facilitate the breakdown of solids in the sewer system.



The gate valve on the holding tanks is a slide-type valve. Consequently, it is possible for excess paper, cloth or foreign matter to prevent the slide valve from closing completely. This situation may require a wire or a brush to remove debris on the ring that enables the slide valve to close. You can help prevent this from occurring by frequently flushing the holding tank with a high pressure hose. When parking in one spot for an extended time, waste material could build up. This can also be remedied by periodic flushing with a high-pressure hose.

When traveling, put three to four gallons of water into the holding tanks. The water sloshing action as you travel will clean the tanks and prevent waste material build up.

### **Dumping The Holding Tanks**

You will find termination valve handles just below the coach on the off-door side. After connecting the sewer hose to the termination valve, pull the handles toward you. This releases material from the holding tanks. When the tanks are empty, push the handles closed. You should never park your coach with the valve to the Lavatory (black water holding tank) left open. This valve should be opened only when the tank is full and needs to be drained.

**Note:** Always drain your black water (sewage) tank first to allow gray water from the other tank to flush your hose.

After draining the lavatory-holding tank, close the valve. Put about two (2) gallons of water into the tank to cover the bottom. This will prevent waste build-up under the inlet pipe.

## Gas Range



Cooking appliances need fresh air for safe operation. Before operating your range:

1. Open overhead vent or turn on exhaust fan.
2. Open a window.

The 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 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.

A warning label has been located near the range. This label reads:

### 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 the odor clears.
6. Have the gas system checked and leakage source corrected before using again.

## Range Lighting

When lighting your range, be sure to refer to your appliance owner's manual.

## Operating the Thermostat (Range)

Depress and turn the thermostat dial before the main burner ignites. This is normal and there is no gas escaping during this delay. It is also normal for the oven burner flame to cycle off and on at all set temperatures, except broil. This maintains a constant temperature in the oven.

## Shut-Down Instructions (Range)

When oven cooking is finished, turn the thermostat dial to the OFF position. In this position, the oven stand-by pilot flame will remain lit.

When your travel trailer or fifth wheel is not in use, or while you are traveling, turn the thermostat dial to the PILOT OFF position and turn off the main gas supply.

For pilot adjustments and complete operating, care and maintenance instructions, including Do's and Don'ts of using your range, see the comprehensive manual supplied with the product. The manual is included in your information packet.

**WARNING: IT IS NOT SAFE TO USE COOKING APPLIANCES FOR COMFORT HEATING.**

## **OPERATING THE SLIDE OUT ROOM**

If your coach is equipped with a flush floor slide out room, make sure you follow these instructions to assure smooth, trouble-free operation.

When running the room out, hold switch until room is fully extended. **YOU MUST RELEASE THE SWITCH.** Immediately run the room in just slightly (stop when the room moves somewhere around a ¼"). This is a precaution to protect the interior slide-out room perimeter facer boards and also relieves the exterior room mounting brackets. Your unit is now in the proper set-up mode.

When running the room in, hold switch until the room seals tightly on the exterior of the unit (do not distort the exterior flanges by continuing to hold the switch). Your unit is now ready for travel.

**To prevent any damage to drawers, sliding trays, or doors and knobs, make sure all are in the closed position before running out or bringing in your slide out.**

## **Using Manual Override**

The slide out room can also be moved in and out manually by using the hand crank. The hand crank opening is located on the exterior of the coach opposite side of the slide-out.

## **Slide Out Room Lights**

The ceiling lights in the slide out room operate individually and with a convenient wall switch that must be turned on. Slide out rooms are permanently wired for 110V and 12V.

## **HEATING AND COOLING**

### **Furnace**

Your Ameri-Camp travel trailer or fifth wheel is equipped with a thermostatically controlled gas furnace. Heat is distributed to various parts of the coach through a duct system with heat registers.

Never leave the furnace running unattended for long periods of time. If you are going to be away from your coach, but wish to leave the furnace on, you must vent the coach by opening a window or vent to allow air to circulate. Failure to do so may create excessive condensation damage and is not covered by your warranty.

**WARNING:** The furnace, when properly installed and adjusted, will ignite on the second or third spark of its electronic ignition system. If it fails to do so, do not operate the furnace. Contact your dealer or furnace service manufacturer for assistance. Any service agency is also free to call on the furnace manufacturer for assistance. For further information, consult the instruction booklet covering your furnace.

## **Air Conditioner**

The manufacturer has provided a complete operation and maintenance manual. If your travel trailer or fifth wheel came equipped with air conditioning, the manual can be found in the information packet.

## **COLD WEATHER OPERATION**

The construction, insulation, plumbing and heating system in your Ameri-Camp travel trailer or fifth wheel is designed to provide comfort in most climate conditions. Slide-out units come with enclosed, heated holding tanks; however non slide-out units do not. Proper use and procedures should allow you to enjoy your travel trailer and fifth wheel in colder climates, for weekends and extended recreational living.

For extended use in colder climates, there are a few hints the owner should keep in mind. A major factor in cold weather use is condensation. However, ventilation, circulation and some adjustment in living procedures can help reduce condensation in your coach.

## **Fresh Air Venting of Coach**

An RV is a relatively small space compared to a house. The everyday activities of cooking, washing dishes, laundry, bathing-and even breathing-that we take for granted at home put moisture in the air. When confined to the smaller space of an RV, these activities can have a major effect on condensation.

The way to offset these conditions is to decrease moisture in the air, minimize cold areas, and maintain good air circulation and ventilation. Here are suggested ways to do that:

1. You can decrease moisture in the air by cutting down on hot water usage as much as possible. Also reduce the amount of boiling and steaming of foods you do while cooking, and do as little laundry as possible in the coach. Use a laundromat instead. Also, leave cabinet and wardrobe doors ajar to admit warm air to these areas.
2. Maintain circulation and ventilation by using your exhaust fans frequently. Be sure your furnace and heating systems are in good working order, with no restrictions in ducts, and good air flow at all registers. Do not block registers or louvers. Leave roof vents ajar enough to allow warm, moist air to escape as it rises toward the vents. Open kitchen and bathroom windows slightly to allow additional ventilation.
3. Do not leave the furnace running unattended if you are not going to be in your coach for extended periods of time. This may create excessive condensation causing damage and mildew not covered by your warranty.

Practice these additional good habits to avoid condensation:

1. Open doors and windows a few minutes twice daily to replenish your inside air with fresh air from outdoors.
2. Operate the range exhaust fan whenever the range is in use.
3. Open your bathroom window and/or vent(s) when taking a shower to allow steam to escape.
4. Do not pile boxes and clothing against outside walls in wardrobes, as it will reduce air circulation.
5. Extra numbers of people or pets cause condensation. Take extra measures in assuring adequate ventilation.
6. Ceiling vents will condensate in cold weather. Open them just enough to allow the hot air to escape, but not enough to allow cold air to flow in.
7. Do not tape all windows and doors shut. This will cut off circulation.
8. Do not hang wet clothing in your coach to dry.
9. Be very careful in using any type of vaporizer or humidifier.

10. Do not allow your furnace blower fan to become clogged with dirt or dust.

Under extreme conditions of temperature and humidity, a dehumidifier will help both moisture removal and circulation. Compact units are available at a modest cost.

If your coach is being used during winter months in an extremely cold climate, it is also advisable to use skirting around the bottom of your coach (the type commonly used for mobile homes). This will help reduce heating costs and also prevent freezing of the sewer hose, which connects to the septic system.

No recreational vehicle manufacturer can guarantee all things to all people, under all conditions that may occur. At Ameri-Camp, we believe that we offer maximum livability to the RV buyer, and that by observing the above simple procedures, you can enjoy your Ameri-Camp travel trailer or fifth wheel.

### **WINTERIZING AND STORAGE**

Here are suggested steps to winterize your coach:

1. Turn all faucets in your RV to the open position and turn on the water pump. Let the pump run until the water system is dry.
2. Turn all faucets to the off position.
3. Drain the water heater by removing the anode rod plug. It is located on the back of the water heater, and can be reached through the access door on the outside of the RV.
4. If your RV is equipped with a water heater bypass, turn it to bypass mode. If you do not have a bypass, the water heater should be disconnected from the system. You can do this by removing the water lines on the inlet and outlet, and connecting them to each other. They are located at the back of the water heater.
5. Using the fittings, attach the hose to the fresh water pump.
6. Run the hose from the pump to a gallon container of anti-freeze.
7. Now you are ready to put the anti-freeze in the system.
  - a. Turn the water pump on; it will begin siphoning the anti-freeze (anti-freeze should be pink in color). Let the pump siphon about one and a half gallons of anti-freeze.
  - b. Starting at the rear of the coach, turn on each cold water faucet just long enough for the anti-freeze to come out. Then turn the faucet off.
  - c. Repeat this process for each faucet in your RV, including all hot water faucets.
  - d. Don't forget the lavatory. Push the flush pedal just long enough for the anti-freeze to start.
8. Now turn the pump off.
9. Open all faucets and leave their valves open.
10. Drain the holding tanks and leave their valves open.
11. There are several "P Traps" in your RV that should also be winterized. Pour one cup of anti-freeze in the kitchen sink and one cup in the bathroom sink.
12. If you have a washing machine, it has a P-Trap at the rear. Add a cup of anti-freeze there too.
13. Now your RV is winterized and should be prepared for freezing temperatures.
14. In the spring of the year, the anti-freeze should be washed and rinsed from the plumbing system. To be sure the pump is rinsed thoroughly, pour water into the fresh water tank, and turn on the pump.
15. Turn on all faucets and rinse until clean water comes out.

## Weight Information

As a member of RVIA and RVDA in good standing, Ameri-Camp is required to provide certain information, including (1) your coach's factory weight, (2) water capacity in gallons and pounds, and the resulting Net Carrying Capacity, (3) how to weigh your coach to get accurate information which, if used properly, will yield better towing characteristics, (4) weight distribution information to help load your belongings properly, resulting in a safe coach on the road, and (5) towing guidelines.

### Weight Label Information

<b>TRAILER WEIGHT INFORMATION</b>	
<b>VIN OR SERIAL NUMBER</b>	
<b>GVWR (GROSS VEHICLE WEIGHT RATING)</b> IS THE MAXIMUM PERMISSIBLE WEIGHT OF THIS TRAILER WHEN FULLY LOADED. IT INCLUDES ALL WEIGHT AT THE TRAILER AXLE(S) AND TONGUE OR PIN.	
<b>UVW (UNLOADED VEHICLE WEIGHT)</b> IS THE WEIGHT OF THIS TRAILER AS MANUFACTURED AT THE FACTORY. IT INCLUDES ALL WEIGHT AT THE TRAILER AXLE(S) AND TONGUE OR PIN. IF APPLICABLE, IT ALSO INCLUDES FULL GENERATOR FLUIDS, INCLUDING FUEL, ENGINE OIL AND COOLANTS.	
<b>CCC (CARGO CARRYING CAPACITY)</b> IS EQUAL TO GVWR MINUS EACH OF THE FOLLOWING: UVW, FULL FRESH (POTABLE) WATER WEIGHT (INCLUDING WATER HEATER), FULL LP-GAS WEIGHT.	
<b>CARGO CARRYING CAPACITY (CCC) COMPUTATION</b>	
	<u>POUNDS</u> <u>KILOGRAMS</u>
<b>GVWR</b> .....	
<b>MINUS UVW</b> .....	
<b>MINUS FRESH WATER WEIGHT OF</b> <b>GALLONS @ 8.3 LB/GAL</b>	
<b>MINUS LP-GAS WEIGHT OF</b> <b>GALLONS @ 4.2 LB/GAL</b> .....	
<b>= CCC FOR THIS TRAILER*</b> .....	
*DEALER INSTALLED EQUIPMENT WILL REDUCE CCC	
<b>CONSULT OWNER MANUAL(S) FOR SPECIFIC WEIGHING INSTRUCTIONS AND TOWING GUIDELINES.</b> CD-132	

### Definitions

**GVWR (Gross Vehicle Weight Rating)** means the maximum permissible weight of this coach. The GVWR is equal to or greater than the sum of the Unloaded Vehicle Weight plus the Net Carrying Capacity,

**UVW (Unloaded Vehicle Weight)** means the weight of this coach as built at the factory. If applicable, it includes full generator fuel, engine oil and coolants. The UVW does not include cargo, fresh water, LP gas or dealer installed accessories.

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

**GAWR (Gross Axle Weight Rating)** means the maximum weight each axle is capable of carrying. (GAWR cannot be altered by adding larger tires, changing hubs, wheels or brakes.)

**GCWR (Gross Combination Weight Rating)** means the value specified by the motorhome or tow vehicle with its towed trailer or towed vehicle.

## Vehicle Weight Distribution

To achieve proper vehicle weight distribution, you must not exceed the vehicle's GVWR or GAWR when loading cargo (fresh water, LP gas and carry-ons). A properly loaded vehicle will not weigh more on either axle than its GAWR and will not exceed 15% on the ball of a trailer or 25% on the pin of a fifth wheel, while never exceeding the tow vehicle's GVWR and GAWR.

We suggest starting by determining how many pounds of cargo you can load. (See "Weight Label Information"). Do not load more than the difference of your UVW and GVWR.

## Loading

Start by filling LP gas bottles and fresh water tank. Put clothing in closets, food in galley with pots, pans, etc. Try to put heavier items low and near the center of gravity of the vehicle. Keep in mind that your coach was designed to provide maximum flexibility with many areas for interior and exterior storage, plus large water and LP gas capacity, to maximize value and convenience. **DO NOT OVERLOAD BECAUSE YOU HAVE STORAGE SPACE! You are responsible for loading the vehicle within its ratings for each trip.** Once loaded, weigh the coach by taking it to the nearest public scale.

## Weighing Your Loaded Coach

Locate the nearest public scale and weigh your loaded vehicle according to the following guidelines. To be completely accurate, you need to have a full tank of fuel and all occupants in the tow vehicle, including cargo. The combined vehicles need to be coupled properly, running level. (The scale attendants are usually very helpful).

1. Position front axle of tow vehicle on scale and weigh.
2. Position rear axle of tow vehicle on scale and weigh.
3. Position trailer/fifth wheel axles on scale and weigh.

You now have enough information to determine if either vehicle is overloaded and if any axle is overloaded. Compare these weights to those listed on the Federal Label located on the pin box of fifth wheels and draw bar of trailers, and on the coach's interior label. (This label contains tire and axle information). If an overload exists in any one location, the cargo needs to be moved to a location that can handle more weight, or the cargo needs to be removed.

Proper weight distribution can be determined for your tow vehicle by weighing it without the trailer/fifth wheels and cargo, so the normal driving weight and handling can be evaluated. Adding the front and rear axle weights on your tow vehicle and subtracting the unloaded weight from the loaded weight will tell you your pin or hitch weight. Keep in mind that weight added to the rear usually takes weight off the front, possibly affecting steering and braking control. Equalizing hitches for trailers and proper pin box placement for fifth wheels minimizes the weight displacement when used properly.

Once you have established the best place for items commonly used on outings, make a map of where they belong. This will make loading easier the next time

**PRODUCT SPECIFICATIONS ARE SUBJECT TO CHANGE BY MANUFACTURER WITHOUT NOTICE**

**Ameri-Camp**  
**RECREATIONAL VEHICLE**  
**LIMITED ONE-YEAR WARRANTY**  
**AND**  
**LIMITED TWO-YEAR STRUCTURAL**  
**WARRANTY**

**For Travel Trailers and Fifth Wheels Manufactured by Ameri-Camp sold in United States and Canada**

Except as specifically excluded below, Ameri-Camp WARRANTS to the original Consumer Purchaser for a period of one (1) year from the date of delivery to the Original Consumer Purchaser that the Ameri-Camp recreational vehicle manufactured and assembled by Ameri-Camp shall be free from manufacturing defects in materials and workmanship supplied and attributable to Ameri-Camp.

PLEASE NOTE: The limited one year warranty shall not be considered as part of the separate structural warranty provided below with the recreational vehicle and shall terminate on the first year anniversary date from the date of delivery.

**LIMITED TWO YEAR STRUCTURAL WARRANTY**

Except as specifically excluded below, Ameri-Camp WARRANTS to the Original Consumer Purchaser for a period of two (2) years from the date of delivery to the Original Consumer Purchaser that the structural portion of the Ameri-Camp Recreational Vehicle shall be free from manufacturing defects in materials and workmanship supplied and attributable to Ameri-Camp. "Structural" shall include the main steel frame and all steel members welded to it, the studs and framing in the walls as well as the roof rafters. All other items are covered by the standard (1) year limited warranty.

**EXCLUSIONS**

THIS LIMITED ONE (1) YEAR RECREATIONAL VEHICLE WARRANTY AND LIMITED STRUCTURAL WARRANTY AND THE OBLIGATIONS STATED HEREIN SHALL NOT APPLY TO (1) Damage or loss caused in whole or in part by the acts or omissions of any kind by any party other than Ameri-Camp (2) damage or loss caused in whole or in part by the misuse, abuse, neglect, theft, vandalism, product modification, improper consumer or dealer installation, incorrect line voltage, unauthorized repair or failure to follow instructions supplied with the recreational vehicle; (3) routine maintenance including, without limitation, caulking, re-caulking and waxing of the body of the recreational vehicle, tightening screws, adjusting doors adjusting brakes, and maintaining the air conditioning and heating systems; (4) damage or loss caused in whole or in part by unauthorized attachments, modifications or alterations to the structure, body or frame of the recreational vehicle; (5) any upholstery damage including, but not limited to tears, punctures or misuse; (6) any fading of fabrics or carpets; (7) the chassis and any mechanical parts of the recreational vehicle including, without limitation, any parts of the brake system, wheel balance, tires, tubes, and batteries; (8) damage occurring during shipment (claims must be presented to carrier); (9) damage or loss caused in whole or in part by exposure to natural atmospheric elements, corrosive chemicals, ash or fumes generated or released by vehicles, rotting of wood caused by the presence of water, or any other source; (10) damage or loss caused in whole or in part by the overloading or the improper balancing of the load; (11) damage or loss caused in whole or in part by the willful or negligent acts of the driver of the vehicle pulling the recreational vehicle, an accident involving the recreational vehicle, the condition of any road surface over which the recreational vehicle is

pulled, or driving over a curb or any other object; (12) damage or loss to the recreational vehicle caused in whole or in part by the tow vehicle selected by the owner to pull the recreational vehicle; (13) damage or loss caused in whole or part by the owner's operation, use or misuse of the tow vehicle; (14) any and all damage or loss to the owner's tow vehicle; (15) any incidental and consequential damages including, but not limited to, transportation, fuel, food, lodging, telephone calls, towing charges, bus and taxi fares or car rentals, on-site service calls, as well as commercial use and loss of use; and (16) equipment and components manufactured by other manufacturers.

The manufacturers of other equipment and components, including but not limited to, tires, batteries, washer, dryer, and other installed equipment or accessories, may or may not provide their own warranties or extensions. These warranties are separate from the Ameri-Camp limited warranty and constitute the only warranty for those specific components. The terms, conditions and warranty periods of these items may vary from the Ameri-Camp One (1) Year Limited Warranty.

### **TOW VEHICLE DISCLAIMER**

**CAUTION:** In connection with the use and operation of Ameri-Camp recreational vehicles, customers and owners of Ameri-Camp recreational vehicles are solely responsible for the selection and proper use of tow vehicles. All customers should consult with a motor vehicle manufacturer or dealer concerning the purchase and use of suitable tow vehicles for Ameri-Camp products. Ameri-Camp further disclaims any liability with respect to damages which may be incurred by a customer or owner of Ameri-Camp recreational vehicle as a result of the operation, use or misuse of a tow vehicle. NOTE: AMERI-CAMP'S LIMITED WARRANTY DOES NOT COVER DAMAGE TO THE RECREATIONAL VEHICLE OR THE TOW VEHICLE AS A RESULT OF THE OPERATION, USE OR MISUSE OF THE TOW VEHICLE. PLEASE CONSULT THE LIMITED WARRANTY FOR DETAILS ON COVERED ITEMS AND EXCLUSIONS.

### **AMERI-CAMP'S RESPONSIBILITY**

Ameri-Camp's liability under the foregoing warranties is limited to the repair or replacement of the defect. Ameri-Camp does not undertake responsibility to any Original Consumer Purchaser of its recreational vehicle for any undertaking, representations, or warranty made by the dealer selling this recreational vehicle beyond those expressed herein. The remedies under this warranty shall encompass only the repair or replacement of the defect and the workmanship resulting from said manufacturer.

Please note the distinction between "defects and damage" as used in this Limited Warranty; "defects" are covered because Ameri-Camp is responsible; on the other hand, we have no control over "damage" caused by such things as collision, misuse, and lack of maintenance which occurs after the recreational vehicle is delivered to the Original Consumer Purchaser. Therefore, "damage" for any reason which occurs after the recreational vehicle is delivered to the Original Consumer Purchaser is not covered under this warranty. Maintenance services are also excluded from the warranty because it is the owner's responsibility to maintain the recreational vehicle.

## **TO OBTAIN WARRANTY SERVICE**

To obtain warranty service the Original Consumer Purchaser must deliver the recreational vehicle to the nearest authorized dealer or service center as the warranty service can only be obtained at Ameri-Camp and Ameri-Camp authorized dealers and service centers. The Original Consumer Purchaser shall deliver the recreational vehicle for warranty service within a reasonable time after discovery of the defect and in no event later than thirty (30) days after the expiration of the applicable warranty periods. All shipping expenses incurred in transporting the recreational vehicle for warranty service shall be the Original Consumer Purchaser's responsibility. The name and address of the nearest service center can be obtained from the dealer selling the recreational vehicle or by writing or calling Ameri-Camp at the address and toll-free telephone number provided below. Upon requesting the warranty services you will be asked for:

- (a) Your name
- (b) Date of retail sale
- (c) Ameri-Camp manufacturing vehicle ID number
- (d) An explanation of the anticipated warranty claim.

Ameri-Camp understands that there are a few times when there is no authorized dealer or service center near you when you may require warranty service. In such rare circumstances, warranty service can be obtained at a non-Ameri-Camp dealer upon the prior authorization of Ameri-Camp. To obtain such authorization you need to write or call Ameri-Camp at the address and/or toll-free telephone number provided below. You will be asked for:

- (a) Your name
- (b) Date of retail sale
- (c) Ameri-Camp manufacturing vehicle ID number
- (d) An explanation of the anticipated warranty claim.

After contacting Ameri-Camp, you will be given an Ameri-Camp warranty authorization number. This warranty authorization number must appear on all repair orders returned to Ameri-Camp by the non-Ameri-Camp dealer. Please note:

**AUTHORIZATION FOR WARRANTY CLAIMS BY NON-AMERI-CAMP DEALERS ARE TO BE CALLED IN PRIOR TO ANY WORK BEING STARTED. ALL SUCH WARRANTY CLAIMS MUST BE SUBMITTED TO AMERI-CAMP WITHIN THIRTY (30) DAYS OF THE AUTHORIZATION DATE TO BE CONSIDERED FOR PAYMENT.**

All expenses for the remedy of defects to or malfunction of parts or systems other than those indicated above shall be the responsibility of the Original Consumer Purchaser.

**DISCLAIMERS**

AMERI-CAMP WILL NOT BE RESPONSIBLE OR LIABLE FOR LOSS OF THE RECREATIONAL VEHICLE, ON-SITE SERVICE CALLS, LOSS OF TIME, INCONVENIENCE, EXPENSES FOR GASOLINE, TELEPHONE, TRAVEL, LODGING, LOSS OR DAMAGE TO PERSONAL PROPERTY OR LOSS OF REVENUES, OR ANY OTHER SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY KIND OR NATURE RESULTING FROM ANY DEFECT IN THE RECREATIONAL VEHICLE.

**\*\*\*SHOULD A CONSUMER CHOOSE TO SET THEIR COACH ON A PERMANENT SITE, NO SERVICE CALLS WILL BE COVERED UNDER WARRANTY; THIS WILL BE THE OWNER'S EXPENSE.**

SOME STATES/PROVINCES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE, AND IN LIEU OF ALL OTHER OBLIGATIONS OR LIABILITIES ON THE PART OF AMERI-CAMP. IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, IF ANY, GIVEN BY LAW, SHALL BE LIMITED TO AND NOT EXTENDED BEYOND THE DURATION OF THE WRITTEN LIMITED WARRANTY PERIODS SET FORTH HERIN. NO PERSON HAS THE AUTHORITY TO ENLARGE, AMEND OR MODIFY THIS LIMITED WARRANTY.

SOME STATES/PROVINCES DO NOT ALLOW THE LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS; YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE, OR PROVINCE TO PROVINCE.

**WARRANTY VALIDATION**

THE RETURN OF THE OWNER REGISTRATION FORMS IS A CONDITION OF THE WARRANTY COVERAGE. Each coach will have a 2 page "Owner registration and Warranty Form" upon delivery. It is the **dealer's** responsibility to have these forms filled out and returned to Ameri-Camp **within thirty (30) days** of the original purchase so that the warranty may be properly validated. Failure to complete and mail this card will invalidate the limited warranties provided herein.

Failure to complete and mail these forms will invalidate the limited warranties provided herein.

If you have any questions regarding this Limited Warranty, please contact your authorized Ameri-Camp dealer's service department at the dealer's address, or telephone the number listed below.

**Ameri-Camp**  
P.O. Box 249  
Syracuse, IN 46567  
1-866-528-6007

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## **State/Province Warranty Enforcement Laws**

State/Province lemon laws permit owners to obtain a replacement vehicle or a refund of the purchase price under certain circumstances. The provisions of these laws vary from state to state or province to province. To the extent allowed by state/provincial law, Ameri-Camp requires that you first provide us with written notification of any defects or non-conformities you have experienced, covered by state/provincial law, so that we may have an opportunity to make any repairs before you pursue the remedies provided by these laws. In all other states/provinces, we request that you give us a written notice as well. Your written notification should be sent to:

Ameri-Camp  
P.O. Box 249  
Syracuse, IN 46567

### Customer Assistance; The Steps to Take

Your satisfaction is important to Ameri-Camp and your dealer. Normally, matters concerning your recreational vehicle will be resolved by your dealer's sales or service departments. We recommend that you follow these steps:

1. First, talk with your dealer's Service Manager or Sales Manager. Most problems will be resolved at this level. However, if the matter is not resolved to your satisfaction, consider steps 2 and 3.
2. Discuss the problem with the owner or General Manager of the dealership.
3. If you have questions or concerns the dealership cannot answer contact:  
Ameri-Camp PO Box 249, Syracuse, IN 46567.

### **Customer Bulletin: How Do You Use Jacks?**

Dear Customer:

We often see customers lower their "Quick drop legs" all the way. Then, they use built-up wood blocks, which may be 8" thick, or more. That way, they only have to run their landing gear down a few inches for leveling.

The problem with this procedure is that it puts almost all of the weight on the drop legs – the thinnest part of the leg, and the weakest part – weakest because they are perforated. This adds undue stress to the landing gear system, which can cause gears to strip or shear pins to strip off.

Also, using wood blocks takes away one means of electrical ground, and could result in an electrical shock when you touch your coach.

#### **Is there a better way?**

The outside part of the jack leg should be lowered 10" to 12" for maximum strength and stability. Also, doing away with wood blocks gives the coach additional electrical ground.

If you have any questions, please call 1-866-528-6007

## **Fiberglass Basic Maintenance**

Maintaining Finish:

1. Wash your R.V. with liquid detergents.
2. If you wish to wax the sidewalls, use automotive waxes or cleaner/polishes developed for use on fiberglass boats, showers, and tubs. Follow the directions on the package.

Restoring Gloss:

This is the procedure for restoring the gloss and finish to a weathered Filon RV product. It is for hand application only.

Materials needed:

- Mild detergent
  - Soft cotton cloth
  - Turtle Wax® Rubbing Compound Heavy Duty Cleaner
  - Turtle Wax Super Hard Shell Car Wax Paste
  - Mechanical buffer (optional)
  - Turtle Wax Polishing Compound (for buffer use only)
1. Wash the Filon panel with a mild detergent and water.
  2. Dry the Filon panel with a clean soft cotton cloth.
  3. Apply heavy duty cleaner by following the directions on the container.
  4. Wash the Filon panel with water and dry the surface.
  5. Apply car wax paste per directions.

If a buffer is available, substitute polishing compound in step no. 3 for heavy duty cleaner and buff polishing compound lightly. Then continue with steps 4 and 5.

**We hope you enjoy your Ameri-Camp product.**

## **Customer bulletin: Sonar Monitor Panel Measurement and Calibration**

Your coach is equipped with a sonar tank monitoring system. This system uses sonar to measure the tank levels and does not require tank probes, which often give false readings because of debris that collects on them from the wastewater. The sonar sensors are attached to the outside of tanks with an adhesive and are not exposed to the wastewater. This prevents debris from causing false readings.

**Tank Measurements – to measure the level of a tank; simply push the pad on the display panel, which corresponds, to the tank or function you wish to monitor. The led lights will come on in sequence, indicating the level of the tank. The panel draws no power unless the button is pushed.**

**Calibration – This panel features a new “Smart Chip” calibration algorithm. This will greatly simplify calibration. Review the instructions below before attempting calibration.**

- A. Start with an empty tank.**
- B. Press and hold the tank reading pad press and hold the empty calibration button for 4 seconds (this button is marked with an “E” on the right). Release empty button when lights begin to flash, when lights flash 3 times calibration is complete.**
- C. Fill tank with water.**
- D. Press and hold the tank reading pad, while you are holding this pad, press and hold the full calibration button (this button is mark with an “F” on the left) Release full button when lights begin to flash, when lights flash 3 times calibration is complete.**
- E. Battery- set full only, the light will flash when below 10 VDC.**

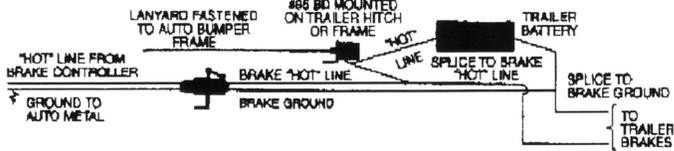
**If you have any questions please contact your dealer or Ameri-Camp customer service.**

**You may also contact the panel manufacturer, Snake River electronics at 208-233-7290.**

## BREAKAWAY SWITCH

To insure proper function of this device, you must comply with the following installation instructions:

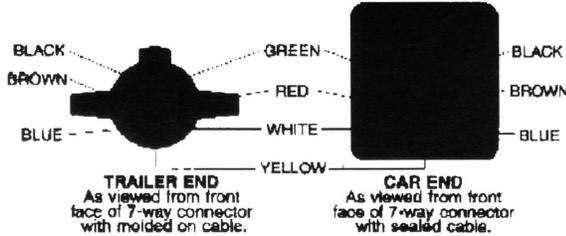
Mount #85 BD on hitch of trailer with one screw in mounting bracket. Position bracket so there is no strain on lanyard between trailer and the car. Device must be mounted on horizontal plane as close as possible to center line of hitch. Connect wires as shown in schematic wiring diagram.



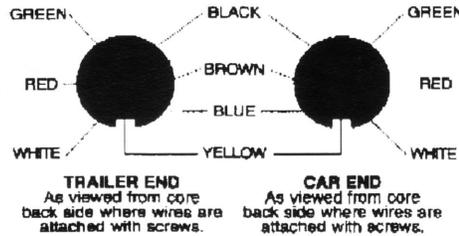
Keep trailer battery charged at all times to insure safe operation.

Note: Make sure pin is securely in place each time before using trailer.

## 7-WAY MOLDED TRAILER/SEALED CAR CONNECTOR & CABLE



## 7-WAY THERMO-PLASTIC/METAL CONNECTOR



## 7 - WAY W I R I N G I N D E X

### WIRE COLOR & GAUGE

White / 10 gauge  
 Blue / 12 gauge  
 Green / 14 gauge  
 Black / 10 gauge  
 Red / 14 gauge  
 Brown / 14 gauge  
 Yellow / 14 gauge

### MOLDED TRAILER/SEALED CAR CONNECTOR TERMINAL

Common Ground  
 Electric Brake  
 Tail & License  
 Battery Charge  
 Left Stop & Turn  
 Right Stop & Turn  
 Center Auxiliary

### THERMO-PLASTIC/METAL CONNECTOR TERMINAL

#1 Common Ground  
 #2 Electric Brake  
 #3 Tail & License  
 #4 Battery Charge  
 #5 Left Stop & Turn  
 #6 Right Stop & Turn  
 #7 Center Auxiliary