

owner's manual

CrossCountry

Welcome to our ever-growing family of happy owners. Hours of relaxation, adventure and enjoyment are possible for you in your new CrossCountry motor home. Like the thousands of Sportscoach owners preceding you, you can expect to enjoy your unit for many years.

000000 000000 000000

000000 0000000

9000...

9000...

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

Operating and maintenance instructions pertaining to appliances in this Owner's Manual were obtained from and are used with the permission of the various manufacturers. We reserve the right to present edited portions of their material.

Sportscoach Corporation of America works year 'round to improve its products. Accordingly, all specifications, equipment, and prices set forth in our literature are subject to change without notice or obligation.

Sportscoach offers a wide variety of CrossCountry models and choices of standard and optional equipment; therefore certain descriptions in this manual may not apply to your unit. Ask your dealer, or see the current brochure, for information concerning available standard or optional equipment.

TABLE OF CONTENTS

INTRODUCTION	DRAINAGE/SEWER SYSTEM14-15
LICENSES2	TOILET14
INSURANCE	HOLDING TANKS
TRAVEL PREPARATION 2-3	CAMPGROUND DRAINAGE HOOK-UP15
CLOTHING2	SELF-CONTAINED OPERATION
CAMP HYGIENE2	DRAIN CARE
PERSONAL HYGIENE	LP GAS SYSTEM
PERSONAL HYGIENE	CLIMATE DIFFERENCES
SAFETY2	FILLING THE LP GAS TANK
FOOD AND WATER	LP GAS LINE CHECK
MEAL PREPARATION	REGULATOR PRESSURE
TOOL CHEST	IPGAS TANK CARE
EQUIPMENT	LP GAS REGULATOR FREEZE-UPS
SLEEPING GEAR	APPLIANCES AND ACCESSORIES 17-23
ENTERTAINMENT3	RANGE, RANGE HOOD, OVEN
IMPORTANT DOCUMENTS3	WATER HEATER19-20
TOURIST INFORMATION3	REFRIGERATOR
TOURIST INFORMATION	FURNACES
HOME SECURITY	FOOD CENTER BLENDER
PRE-TRAVEL CHECK3-4	ROOF AIR CONDITIONER
LOADING4-5	AM/FM/MPX STEREO RADIO AND 8-TRACK
WEIGHT DETERMINATIONS4	OR CASSETTE TAPE PLAYER
FEDERAL STICKER4	TV ANTENNA
DEFINITIONS4	MAINTENANCE
WEIGHING	ROOF24
DRIVING	BODY24
PULLING INTO TRAFFIC5	FRAME24
TURNING5	AUTOMOTIVE SYSTEM
PASSING	STORAGE24-25
DRIVING ON A GRADE	LP GAS SYSTEM
BRAKING5	WATER TANK24
OVERHEATING5	WATER HEATER
PARKING ON A GRADE6	WATER PUMP
HOLDING ON AN UPGRADE6	FURNACE25
FREEING A STUCK VEHICLE6	ELECTRICAL SYSTEM25
TOWING	EXTERIOR25
TIRE CHANGE6	INTERIOR
DASH BOARD/CONTROLS6-7	WINTERIZATION
CRUISE CONTROL	WINTERIZATION
CAMPING7	FIRE SAFETY
CAMPSITE SELECTION	EMERGENCY EXIT
COURTESY	VISITING CANADA OR MEXICO26-27
LIVING AREA	VEHICLES
SETUP	CB RADIO
TABLES	HUNTING AND FISHING
BEDS	DOGS AND CATS
BASIC SYSTEMS 9-10	MAINTENANCE RECORD
MONITORING PANEL OPTION	APPLIANCE IDENTIFICATION FORM28
GENERATOR PANEL10	CROSSCOUNTRY SPECIFICATIONS
ELECTRICAL SYSTEMS10-12	CROSSCOUNTRY SERVICE &
120-VOLT SYSTEM	WARRANTY POLICY30
12-VOLT SYSTEM	SEPARATELY WARRANTED PRODUCTS30
AUXILIARY GENERATOR	SERVICE ON SEPARATELY WARRANTED
FRESH WATER SYSTEM	PRODUCTS30
SANITIZING WATER TANK	SERVICE ON CHASSIS WARRANTED PARTS30
WATER PUMP	RECREATIONAL VEHICLE
WATER PURIFIER	LIMITED WARRANTY
FILL FRESH WATER SYSTEM 13-14	EXTERIOR VIEWS AND FEATURES 32-33
CITY WATER HOOK-UP	——————————————————————————————————————
WATER TANK FILL14	
PURGE SYSTEM	
CARE OF SINKS, LAVATORY AND	
TUB/SHOWER	

INTRODUCTION

GENERAL

We welcome you to the growing CrossCountry community. We know how excited and eager you are to take your new motor home out on its first trip. We believe that it is ready to go — but are you? We have designed and built your unit to rigid standards. We have tested it thoroughly and your dealer has given it careful retesting and inspection prior to delivering it to you. Yet after all that, we're going to ask you not to make a hasty departure. Because we want you to enjoy every trip, whether it's overnight, a weekend or season-long excursion, we first want you to get to know your unit and make careful preparations. That's why you'll find more than operating and maintenance instructions in this manual: You'll also find tips and suggestions to help you get started. There also are dozens of illustrations for easy identification of the various components.

NOTE: Illustrations identified by a figure number will be found inside the back cover of the manual.

Our first suggestion is that after you've read this manual and the appliance and accessories instruction booklets, store them in your unit for handy reference.

An overnight or weekend "shakedown" trip can help RV'ing novices become familiar with their unit and its systems and appliances. The experience gained and the hints other RV'ers are usually eager to share will help make your RV'ing more enjoyable. Although you purchased your unit with certain standard and/or optional equipment, you may wish to add other accessories later. Experience is invaluable in determining which additional items, if any, to choose. Remember, your CrossCountry dealer will assist you in every way possible.

LICENSES

The vehicle licensing laws vary from state-to-state. Check with your license bureau or nearest branch office for the requirements in your state. Be sure to renew your driver's license if it has or will expire during your trip.

INSURANCE

Personal liability, property damage, collision and theft of contents may be features of your automobile policy which apply to your motor home. Contact your insurance agent about details of your coverage. Always carry your policy card.

TRAVEL PREPARATION

GENERAL

Determine the various items of equipment, clothing, food and other supplies required for the length and destination of your journey. In a subsequent section, the importance of proper loading is explained, but at this stage you're more concerned with a quick getaway. One way to reduce loading

time is to purchase dinnerware and silverware, pots, pans, towels and bedding, which can remain in your unit at all times. After a trip, clean and launder the articles and replace them in your motor home, ready for your next trip. The following is a guide to help in your travel preparation.

CLOTHING

Compile a clothing list for each person. Consider the season and areas through which you intend to travel. Basic articles: Underwear, socks, footwear, shirts, blouses, trousers, slacks, dresses, shorts, sweaters, jackets or coats, rainwear and swim suits.

CAMP HYGIENE

Dishsoap, dishcloths and dishtowels, garbage and trash bags, mop, broom and dustpan.

PERSONAL HYGIENE

Soap, washcloths, towels, toothpaste, toothbrush, deodorant, shaving kit, toilet paper, laundry soap and laundry bag.

SAFETY

Flares and reflectors; flashlight; first aid kit; tow rope and/or chain.

FOOD AND WATER

Don't try to take a food supply for an extended trip. Take enough for two or three days and replenish supplies along the way. Take a basic supply of seasonings: Sugar, salt, pepper and spices. Plan meals so that the fresh or refrigerated items are used before they spoil. Fill your fresh water tank before leaving (when traveling in winter, it is recommended that the water tank not be filled until the interior of your unit is warmed or until you reach your destination). Ask your dealer about potable antifreeze.

MEAL PREPARATION

Bottle cap and can opener; matches, lighter or igniter device; pots, pans, plates, glasses, and cups (paper or plastic are lighter and less likely to break while the vehicle is in motion); silverware and carving knife.

TOOL CHEST

Include an assortment of wrenches and screwdrivers, pliers, hammer, shovel, tire pressure gauge, small level, electrical and masking tape.

ADDITIONAL TOOLS

You may also want to take a hatchet, saw, and 12-volt portable tire pump.

EQUIPMENT

Fresh water hose (garden) and bucket; "Y" type water hose fitting; 20-foot 3-prong power cord; 3-prong adapter with grounding wire; fuses; wheel chocks, leveling ramp or blocks.

SLEEPING GEAR

Sleeping bags are ideal for cold climates, but sheets and blankets are better suited for warm weather. Take along an extra blanket or two for sudden drops in temperatures, such as can be expected in mountain areas even during summer. Be sure to take pillows, pajamas and mattress pads, if normally used.

ENTERTAINMENT

Take along games, toys, books, magazines, or other items of entertainment to occupy passengers while traveling or in case you encounter inclement weather.

IMPORTANT DOCUMENTS

Carry your vehicle registration and insurance policy card(s). If you are borrowing a vehicle, you should have a notarized letter of authorization from the owner with you.

TOURIST INFORMATION

Current road maps and tourist information for states through which you intend to travel are available through state tourist agencies. You also may want to purchase a tourist guide book.

If you will be visiting federally-operated national parks, monuments and recreation facilities, you may wish to look into the Golden Age Passport and the Golden Eagle Passport. They can help families cut spending at those areas where fees are involved.

GOLDEN AGE PASSPORT — The Golden Age Passport is a free lifetime pass for persons 62 and over and covers all admission fees and a 50 percent discount on use fees (except fees charged by private concessionaires). It may be obtained only at park service offices and at parks where entrance fees are charged. It cannot be obtained by mail or at post offices. To obtain the Golden Age Passport you will need proof of age, such as a driver's license, or be prepared to sign an affidavit swearing that you are 62 or over.

NOTE: Medicare cards are not accepted since in some cases they are issued to younger persons.

GOLDEN EAGLE PASSPORT — The Golden Eagle Passport costs \$10 and is designed for persons who plan to visit several parks or federally-operated facilities in a single year. It covers all admission charges, but does not cover use fees and is good only during the calendar year in which it is issued. It may be purchased in person or by mail at the National Park Service headquarters, Department of the Interior, Washington D.C. 20240; at regional offices and at facilities where entrance fees are charged.

Both the Golden Age and Golden Eagle Passports cover admission fees for the permit holder and any persons accompanying him or her in a private vehicle. Where entry is not by vehicle, the passport covers

the permit holder and members of his or her immediate family.

HOME SECURITY

Make arrangements for someone to check your house periodically. Stop mail and newspaper delivery. If you intend to be away for more than 2 weeks, request police surveillance. Carry an extra set of vehicle and house keys on a separate key ring.

PRE-TRAVEL CHECK

GENERAL

Whether departing from your home, rest area, or campsite, you should perform these pre-travel checks:

LIGHTS should be tested, including brake lights, warning flashers, clearance lights, taillights, turn signals and headlights. Clean all lenses.

REARVIEW MIRRORS should be adjusted so the driver can see the rear of both sides of the unit.

WINDSHIELD should be clean, wiper blades inspected, and windshield washer reservoir filled.

POWER CORD (120-Volt Shoreline) must be unplugged from the external source, pushed into the compartment (and plugged into the Shoreline compartment receptacle, if applicable) and the cord hatch secured.

WATER FILL hoses must be disconnected and the caps and hatches secured.

SEWAGE TERMINATION VALVES must be closed and locked. The sewer hose must be removed from the termination outlet and stored in the side compartment. The termination caps must be securely fastened to the termination outlets.

WINDOWS AND VENTS should be closed and secured (the rear windows should remain closed while driving to avoid drawing exhaust fumes into the vehicle).

TV ANTENNA must be cranked down to its travel position.

LP GAS TANK and gas line connections should be checked.

NOTE: Some states prohibit vehicles equipped with LP gas tanks from using tunnels. A few other states prohibit traveling with the Service valve open and the pilots lit. Check the regulations of the states through which you intend to travel.

DOOR STEP must be returned to its travel position by lifting outer edge of step and pushing it in under the unit (Figure 1).

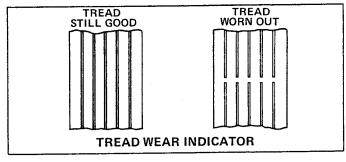
EXTERIOR ACCESS DOORS for storage and equipment should be closed and locked.

INTERIOR DOORS AND DRAWERS should be secured. Loose items should be lashed down or stored away.

REFRIGERATOR DOOR should be secured with the travel latch.

AUTOMOTIVE SYSTEM should have the pretravel check outlined in the chassis manufacturer's owner's manual.

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 biasbelted tires.

Each morning inspect tire condition and pressure on your unit. Heat generated by surface friction will increase the tire's air pressure approximately 6 to 9 psi; therefore, do not bleed air out of a hot tire. Inflate tire to recommended pressure as indicated on tire or in tire manufacturer's instruction booklet.

NOTE: Proper tire inflation is extremely important.

WHEEL LUGS must be tightened to the specifications in the chassis manufacturer's owner's manual.

LOADING

GENERAL

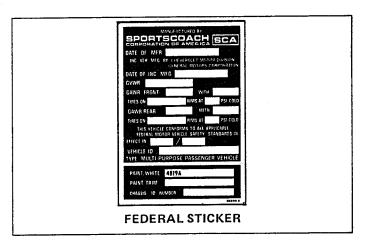
A properly-loaded vehicle will perform better and handle more safely. Distribute your cargo evenly from side-to-side and front-to-back. Store heavier items on or close to the floor and as centrally as possible. Lighter items may be stored in cabinets, closets and drawers. Luggage or similar cargo transported inside your motor home should be secured to prevent it from causing damage in case of a sudden stop or accident. Remember to leave space and weight allowance for souvenirs or other items you may purchase during your travels.

WEIGHT DETERMINATIONS

It is extremely important that you weigh your vehicle prior to leaving on a trip to determine whether your cargo is within the allowable limits for the various suspension components. Check the Federal Sticker or the Vehicle Identification Number (VIN) plate for the maximum weight ratings of each axle and the proper tire inflation for the intended load.

FEDERAL STICKER

Found on the panel at left of driver area, the Federal Sticker lists the front and rear Gross Axle Weight Rating (GAWR) and the Gross Vehicle Weight Rating (GVWR). The VIN Plate also lists the GAWR, GVWR and the Chassis Serial Number.



DEFINITIONS

GAWR — The allowable weight, including cargo and passengers, which can safely be supported by each axle.

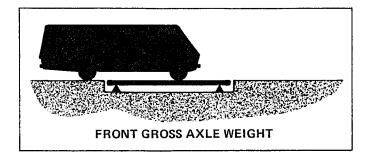
GVWR — The maximum permissible weight of your vehicle, including cargo, all options and passengers.

GVW AND GAW — Are found by weighing the vehicle fully-loaded. GVW is the actual weight of the motor home and all standard and optional equipment, cargo and passengers. GAW is the portion of the fully-loaded vehicle which is transferred to each axle.

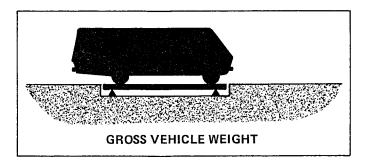
You can weigh your vehicle at a grain elevator, sand and gravel dealer or government weighing station (they are listed in the yellow pages of your telephone directory). The small fee involved may save you considerable trouble and expense later. Be certain to weigh the motor home with all passengers, cargo, LP gas and water aboard.

WEIGHING

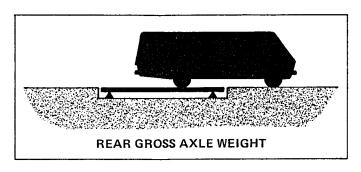
STEP 1 — Drive only the front axle of the motor home onto the scale. Compare the weight to the front GAWR listed on the Federal Sticker.



STEP 2 — Pull forward so that the front and rear axles are on the scale. Compare the weight to the GVWR listed on the Federal Sticker.



STEP 3 — Pull forward so that only the rear axle is on the scale. Compare the weight to the rear GAWR listed on the Federal Sticker.



NOTE: If any of the weights exceed the listed rating, relocate the passengers and redistribute or remove a portion of the cargo, until the weight is within the proper tolerance.

DRIVING

GENERAL

Power steering and power brakes help make driving your CrossCountry motor home as effortless as possible. But you must remember that the motor home is longer, higher and wider than a family automobile. Be especially watchful for low bridges, overpasses, awnings or similar obstructions, which might damage your roof or accessories mounted on the roof. Watch for overhanging tree branches which also can do considerable damage to the windshield or roof of your motor home (refer to page 30 for clearance measurements). Before leaving on a trip, you may want to practice turning, braking, backing and accelerating.

PULLING INTO TRAFFIC

Check for oncoming traffic in all directions. Signal before entering the traffic flow. Accelerate slowly and smoothly and remember to compensate for less acceleration than that of a vehicle with a higher power-to-weight ratio.

TURNING

Because of the length of your CrossCountry motor home, always pull farther ahead before turning either left or right, to allow sufficient clearance for the rear of your vehicle.

PASSING

Avoid sudden maneuvers when passing another vehicle. Remember that additional time and distance are required to pass safely. Wait until the road is clear of oncoming traffic for at least 1/2 mile. Check the rearview mirrors and signal lane change before passing. When you are safely ahead of the other vehicle, signal lane change and return to your original lane.

DRIVING ON A GRADE

When climbing or descending a steep grade, manually downshift the transmission to a lower gear.

BRAKING

Allow a safe distance in which to stop your motor home. Never follow another vehicle closer than one vehicle length for each 10 mph. Pump the brake pedal lightly to stop on wet or icy roads. If you start to slide, turn the steering wheel in the direction of the slide. DO NOT tromp the brake pedal — a panic stop will increase the slide. DO NOT rest your foot on the brake pedal when you are not intending to stop. "Riding" the brakes will waste gasoline and can cause excessive brake temperatures, lining wear and possible brake failure.

OVERHEATING

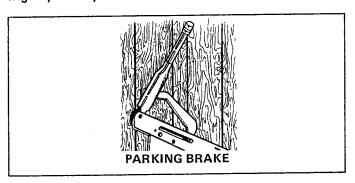
If your motor home engine overheats, pull well off the road. Shift to Park (P) for Chevrolet or GMC and run the engine with your foot resting lightly on the accelerator pedal. If the engine does not cool within 2 to 3 minutes, turn it off and locate the problem.

Engine temperature problems may be avoided if you climb long grades and descend moderately-steep grades in second gear; climb steep grades in first gear and if your unit has auto air conditioning, turn it off.

CAUTION: DO NOT exceed the maximum speed listed in the chassis manufacturer's manual for first and second gear — excessive engine speed will overheat the transmission, which may cause early transmission failure.

PARKING ON A GRADE

Always apply the foot brake then set the parking brake, when parking on a grade, before moving the shift lever to Park (P). When preparing to move the vehicle, move shift lever out of Park (P) before releasing parking brake. If this sequence is not followed, you may not be able to move the shift lever out of Park (P). If this torque lock does occur, you may have to have another vehicle nudge yours very slightly until you can move the shift lever.



HOLDING ON AN UPGRADE

Use foot brake or parking brake and Park (P) position to hold the vehicle on an upgrade. Using a driving gear to hold the unit may cause the engine or transmission to overheat. DO NOT idle the engine for more than one minute with the transmission in gear.

FREEING A STUCK VEHICLE

To pull your vehicle out of snow, sand or mud, apply slight pressure to the accelerator pedal and move the gear selector lever rhythmically between first gear and Reverse (R). If possible, keep the front wheels pointed straight ahead. Avoid sharp

turns. Once the vehicle starts to move, do not stop until it is on firm ground.

CAUTION: DO NOT race the engine or spin the wheels; prolonged efforts to free a stuck vehicle may result in overheating and transmission and axle failure.

TOWING

We do not recommend towing trailers (boat, camping, travel trailers) or other vehicles with this unit

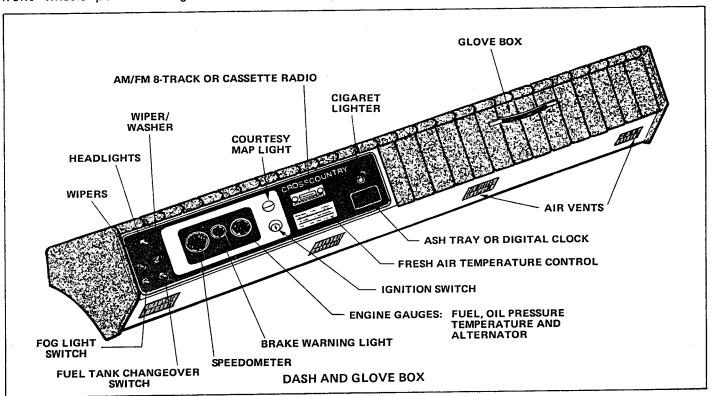
TIRE CHANGE

Change a tire on as level and firm a surface as possible. If you are on the roadside, activate the vehicle's hazard warning flashers. Apply parking brake and move transmission selector to Park (P). Set up flares and/or warning lights. See the chassis manufacturer's owner's manual for specific jacking and tire removal and replacement instructions which pertain to your unit. Stop at the nearest service facility and have the torque checked.

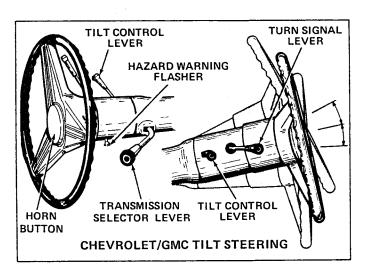
CAUTION: Use the jack only for changing tires. Never get beneath the vehicle when using the jack; never start or run the engine while vehicle is on the jack. Always securely stow the spare tire on the spare tire carrier and return all jacking equipment to its proper storage area.

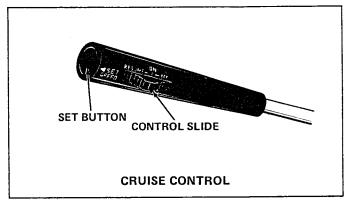
DASH BOARD/CONTROLS

Your CrossCountry motor home automotive instruments and controls are designed for convenience and safety. Read the chassis manufacturer's owner's manual for complete details on operation and maintenance of the systems.



TILT STEERING WHEEL — The tilt steering wheel can be moved to allow additional room for entrance and exit, as well as selected driving positions above and below normal height. Operate the tilt mechanism by lifting the small control lever on the left side of the steering column just below the directional signal lever (on Chevrolet or GMC chassis). Move the steering wheel to the desired position and release the lever to secure in place.





CRUISE CONTROL

The Cruise Control, mounted on the turn signal lever, allows the vehicle to hold any desired speed from 30-mph up. To activate, accelerate to the desired speed, slide the Control Switch outward to ON and depress the Set Speed button in the end of the control, momentarily. Release the accelerator to let the Cruise Control take over. To reset at a higher speed, accelerate to the desired speed, push in the Set Speed button fully and release slowly. To reset at a lower speed, hold the Set Speed button in firmly. Let the vehicle decelerate to the speed desired and then slowly release the button. For passing, when you need more power, just depress the accelerator. When you let up on the accelerator, the vehicle will slow to the pre-set speed. To disengage the system temporarily, touch the brake pedal lightly. The Control will return the vehicle to the previous speed setting when you slide it to RESUME, at speeds above 30-mph. Whenever you want to disengage the system completely, slide the Control to OFF.

CAUTION: Do not use Cruise Control when conditions are not suitable for maintaining a constant speed, such as in heavy or varying traffic or in strong winds or on slippery roads.

CAMPING

CAMPSITE SELECTION

Some campgrounds do not accept reservations, but make one whenever you can. If possible, arrive early so you may inspect and choose a site during daylight hours. Try to avoid sites near a swamp, stream or other bodies of water which may harbor mosquitoes or other insects. Avoid parking under dead trees or loose limbs which might fall and cause injury or damage. Stay away from areas which show signs of flash flooding. DO NOT park on private property without first obtaining permission.

In winter, park behind a grove of trees, bushes or similar type of windbreak. Close the gap between the ground and the bottom of your vehicle's outside walls with plastic, canvas or similar material. This will cut down cold drafts which can affect interior temperatures.

COURTESY

Common courtesy will help make your stay more pleasant. Campsites are often close together and RV walls are not as thick as those in your home, so loud noises may disturb your neighbors. Follow the posted rules of the campsite. Open fires may not be permitted. If you can build a campfire, clear the area of flammable materials; never leave a campfire untended and always make certain the embers are completely extinguished.

LIVING AREA

SETUP

You'll want your motor home to be level for your own comfort (you don't want items sliding off counters and tables or out of cabinets). But more important, the unit must be level in order for your refrigerator and drainage system, both of which function by gravity, to operate properly. Place a level on the bottom of the refrigerator freezer compartment or in a normally level location inside the vehicle to determine proper levelness. Bubble levels are furnished with some refrigerators and are available from your CrossCountry dealer.

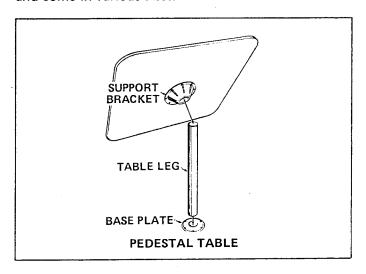
NOTE: When the unit has been leveled sideto-side and front-to-back, you may wish to permanently attach levels on the front and/or back and sides of the unit or inside near the driver, on the sidewall and dash panel. This will allow you to tell at a glance if you've stopped on a level site, and will help speed up the leveling process.

If your unit needs side-to-side leveling, make a step leveling ramp (Figure 2) using 1" x 6" or 2" x 6"

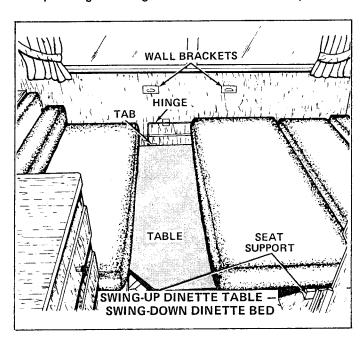
boards of varying lengths. Pull forward or back onto the leveling ramp until the tire(s) on the low side are level. There also are numerous commercial levelers available; ask your CrossCountry dealer about them.

TABLES

PEDESTAL TYPE — Insert table leg into recessed floor base. Lower table support bracket onto the leg. Some pedestal tables also have foldout leaves and come in various sizes.



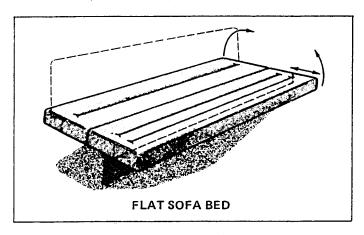
SWING-UP DINETTE TABLE — Lift and swing back of table up to the wall brackets. Slip mating bracket, mounted on back edge of table, into the wall bracket. Push the leg, mounted on the underside of the table, toward the wall until it releases; then, swing the leg down to the locked position.



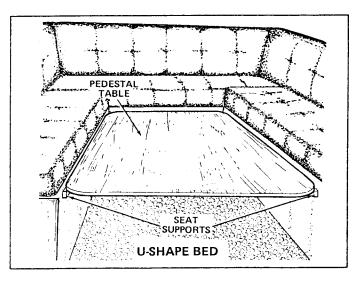
SWING-DOWN DINETTE BED — Lift front edge of table to disengage table and wall brackets. Push down on leg to release it and then fold it back and up under the table. Swing table out and down onto seat supports. Spread cushions on dinette bed.

SINGLE GAUCHO — Remove table. Lift front edge of gaucho platform and slide it out. Arrange cushions on platform.

SOFA — To make the sofa into a bed, remove extra cushions and the arm rests. Lift and pull outward on the bottom of the sofa. Fold the upper back cushion down to form a level mattress. The armrests may be used as pillows if desired.

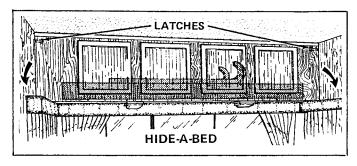


U-SHAPE BED — The U-shape dinette converts into a large bed. Remove the pedestal table, place it on the seat supports and arrange cushions on top.



CABINET DOOR LATCHES — Wardrobe and other cabinet doors are equipped with "press-to-open" latches. The latches lock the doors shut until you apply slight pressure against the door to "pop" the latch and door open. Other doors, such as the Walk-Thru Bath doors, use "bulldog" latches which hold the doors in position until you push or pull them open.

CABINET HIDE-A-BED — Open front cabinet door. Support the cabinet front with one hand and release the front inside latch and then the rear outside latch. Close the cabinet door securely and lower front slowly onto supports. Position reinforcing boards on top of the cabinet face. Arrange mattress pads.



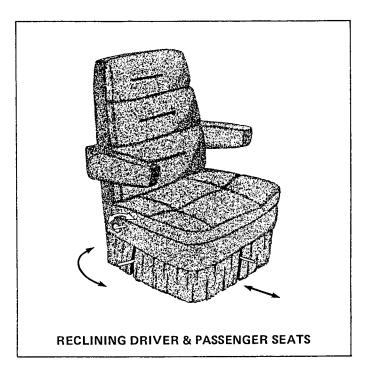
DIVIDER DRAPES — A divider drape to separate the living area from the driving area is optional on all models. The drape slides along a ceiling track. When open, it can be attached to the unit's side, behind the driver, with a tieback.

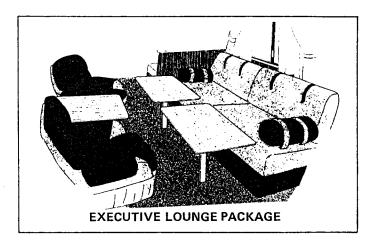
The standard windshield drapes slide along a track over the sun visors. The drapes meet in the center of the windshield when closed. Secure with tiebacks on either side of the unit when open.

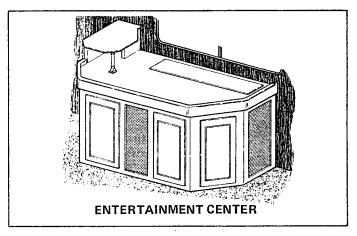
A wooden fold divider door, standard in some models, slides along a ceiling track. Secure on the unit's side with the tieback when not being used.

BARREL CHAIRS — To swivel seat, push down on lever located on the right side of seat and turn seat to desired position. Swing arm rests up or down as desired.

RECLINING DRIVER & PASSENGER SEATS — Fully adjustable, fore and aft, the front driving compartment seats also provide full-swivel freedom to make entry and exit easier; but also to permit turning, when parked, to join in the conversation and other activity in the front living area. The front lever permits fore and aft movement; the side controls the swivel; and the upper side lever releases and latches the reclining seat back.







CARE OF SHADES — The woven wood shades, in some models, should be vacuumed only.

CARE OF CUSHION COVERS — Vacuum covers regularly. To remove grease spots, use a commercial degreaser. For other stains, use a soapy, damp cloth. Covers should be dry cleaned only.

CARE OF WOODWORK — Clean the oak woodwork, cabinetry and doors with lemon oil. DO NOT use spray polishes or water. Scuffs may be covered with paste furniture wax and stain mixture; scratches, with Putty Stic.

CARE OF WARDROBE AND DRAWERS — Clean wood surfaces with household paste furniture polish.

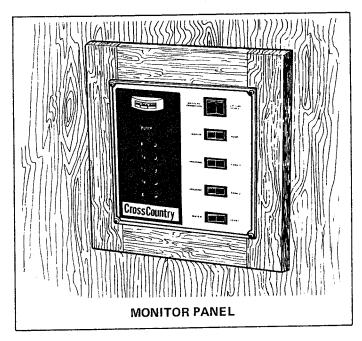
CARE OF FLOORING — Vacuum and shampoo carpet as required.

BASIC SYSTEMS

GENERAL

The basic utility systems in your CrossCountry motor home can be classified under four titles — Electrical, LP Gas, Fresh Water and Drainage/Sewer. This section outlines these systems, describing their operation, function, and simple maintenance. It is not intended as a service guide. Your motor home has been engineered and built to provide trouble-free operation, but should a problem arise, we recommend

that you contact your authorized CrossCountry dealer.



MONITORING PANEL OPTION

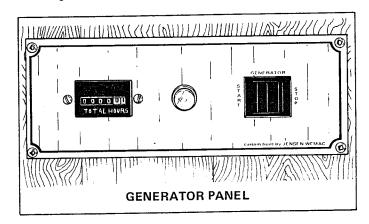
The Deluxe Monitoring Panel available on all CrossCountry models provides controls, gauges and instruments to give you a quick survey of all four coach systems.

A battery condition reading enables you to determine when your coach battery needs to be recharged.

The LP gas level reading indicates liquid LP fuel remaining in the tank.

The water pump switch contains a light to show visibly when the water pump is ON. When city water is connected to the coach, turn the switch OFF.

The fresh water and holding tank readings help you plan for refill and drainage stops. Normally, when the fresh water tank is almost empty, both holding tanks will be almost full.



GENERATOR PANEL

The Generator Panel is provided with the optional generator. It includes an hourmeter to enable you

to schedule maintenance properly. The rocker "Start/Stop" switch is a press/hold/release type which automatically returns to center OFF position. Press and hold to left to start generator. Release when engine is running. To stop generator, press and hold switch to right until engine has stopped completely. The light in the center of the panel indicates that the power plant is running.

ELECTRICAL SYSTEMS

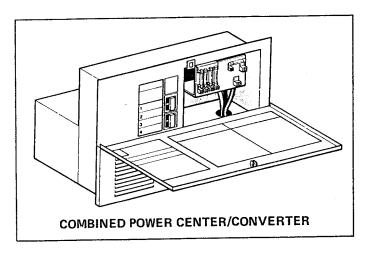
GENERAL

Your motor home has two separate electrical systems, which provide power while you are camped or traveling. There is a 12-volt direct current system, such as those in automobiles, and a 120-volt alternating current system, which requires an external source of 120-volt electricity, provided by a connection to a campsite or household receptacle or by an optional generator. The 12-volt system is supplied by batteries and is used when you are on the road or in campsites which do not provide 120-volt hookups. Because most components in your motor home, such as the water pump, range hood light and fan, interior lights and interior 12-volt receptacles, operate only on a 12-volt source, your vehicle is equipped with a power center which includes a converter and charger which change 120-volt AC to 12-volt DC power. This unit supplies all of the above equipment and keeps your coach battery fully charged.

NOTE: Whenever possible, use the Shoreline or auxiliary generator in order to conserve your RV battery.

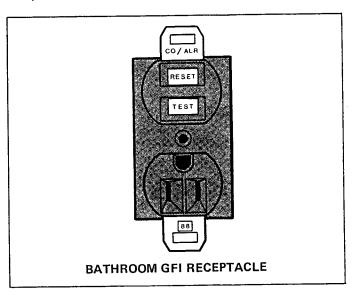
120-VOLT SYSTEM

The 120-volt system supplies electricity through the power center for standard roof air conditioners, the refrigerator, the converter/charger section of the power center for the 12-volt system, the exterior 120-volt receptacles (Figure 3) in the generator compartment and the interior 120-volt receptacles which are used to operate regular household appliances. When you use the external 120-volt Shoreline connection or an auxiliary generator, the power source is directly connected into a main Service Panel and is distributed through circuit breakers.



1

GROUND FAULT INTERRUPTER — The bath and exterior receptacles are protected by a GFI (Ground Fault Interrupter). This highly sensitive circuit breaker, built into the bath receptacle, protects against severe electrical shock if a ground fault occurs in that circuit. The GFI senses the fault and breaks the circuit to the bath and exterior receptacles. If this happens, unplug all appliances on that circuit and reset the breaker in the bath receptacle.

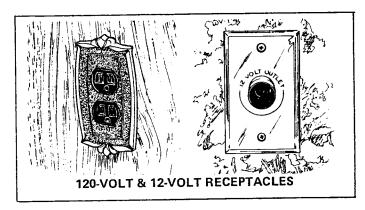


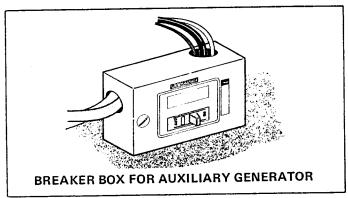
GFI RECEPTACLE — The receptacle shown above is installed in the bath and is connected to the outside receptacle. Test the GFI system at least once a month. Push the TEST button in the receptacle with a test light plugged into the outlet. The test light should go out. To restore power, push the RESET button in the receptacle.

NOTE: If the button does NOT pop out or if the test light indicates a live circuit, do NOT use the outlets. Call your CrossCountry dealer.

CAUTION: The GFI does not eliminate electrical shock completely. Small children and persons with heart conditions or other disabilities that make them especially sensitive to electrical shock may still be injured by a ground fault on the bath or exterior receptacles.

SHORELINE CONNECTION - The Shoreline (Figure 4) is a 25', 30-amp power cord with a 3-prong grounding 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 120-volt receptacle. Some campsites and trailer parks still have two-slot receptacles. 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. When the power cord is not connected to an external receptacle, plug it into the Shoreline compartment receptacle (Figure 5). 120volt power will be provided to the unit through this connection when the generator is running.





The 120-volt system is protected by the circuit breakers. If a circuit breaker opens, unplug the appliances on that circuit, allow a short period for the breaker to cool, then reset the breaker. If the breaker continues to open, reduce the load and contact your CrossCountry dealer.

12-VOLT SYSTEM

The 12-volt system, which includes the automotive battery and RV battery (Figure 6) plus the 12-volt converter, supplies power to the exterior and interior lights, the range hood fan and light, the furnace blower, the refrigerator, water pump, porch light, 12-volt receptacles and monitoring panel.

The automotive battery supplies 12-volt power to the engine ignition system, the dashboard lights and accessories, headlights, taillights, backup lights, clearance lights, turn signals and warning flasher lights. The automotive alternator will charge both the automotive and the RV batteries, although an isolator or manual changeover switch prevents the RV system from drawing power directly from the automotive battery.

The RV battery supplies power to the furnace blower, water pump, power vent, range hood fan and light, interior lights, refrigerator and monitoring panel. The 12-volt receptacles can be used only for appliances specifically designed for that type of energy. The RV battery also is charged by the power converter whenever you are using a Shoreline connection or generator.

BATTERY — Check the liquid level at least once a month. It must be above the plates. The battery manufacturer approves using a good grade of drinking water, excluding mineral water. Keep terminals free of dirt and corrosion. Use a hydrometer to check battery charge. When specific gravity is below 1.225, recharge the battery until 1.265 is indicated.

CAUTION: If the battery must be "Quick Charged", turn off the refrigerator.

CONVERTER — The power converter transforms 120-volt AC into 12-volt DC. It is in the lower section of the power center and supplies power to all of the 12-volt systems (except the refrigerator) when it is supplied by a 120-volt source. Each 12-volt circuit is protected by a fuse in the upper section. Twist the lock to open the door and gain access to the fuses. A listing of the circuits is on the inside of the door. Some fuses protect circuits with more than one function, others may be for specific appliances. If a fuse blows, turn off or unplug all appliances on that circuit. Replace the blown fuse with one of the same ampere rating. If the fuse continues to blow, contact your CrossCountry dealer.

AUXILIARY GENERATOR

The auxiliary generator (Figure 7) is a gasoline-powered appliance which supplies 120-volt AC power. It draws fuel from the chassis-engine gasoline tank, but will not empty the tank. (The generator will stop running when fuel drops below 16-gallons.) The generator can be operated when your motor home is stopped or while you are traveling. The remote generator starter switch is mounted in your unit and there is a starter switch on the generator. For maintenance or service, the large generator door provides easy access to the unit. Simply turn the door latches to release it and swing it open. Always make sure that the door is securely latched before moving your motor home.

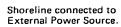
Before starting the generator, turn off all electrical appliances in the unit, make certain the air intake and exhaust outlets are free of obstructions and check the oil level. Check the Shoreline power cord to be sure it is plugged securely into the receptacle in its compartment (Figure 5). Depress the START/STOP switch to START and hold until the generator is running (when released, the switch will return to a neutral position). You may have a 4.0 or 6.5 KW generator. The 4.0 KW generator is available on all CrossCountry models. The 6.5 KW unit is also available on all models except the 26BB.

The rear air conditioner is connected directly to the generator and cannot be operated by shore power. However, the above equipment plus all other 12/120-volt equipment can be powered by the generator when the Shoreline is plugged into its receptacle. Or, all of the other equipment may be powered by shore power while the generator powers the rear air conditioner.

NOTE: Three roof openings are wired for air conditioner installation. The front is connected to shore power only, the center, to shore and generator and the rear, to generator only.

Separate circuit breakers for the microwave and the air conditioner(s) permit operation of these items of equipment simultaneously when 120-volt power is supplied.







Auxiliary Generator OFF

All 120-volt system operable (except rear roof air conditioner).



Shoreline connected to Shoreline Compartment Receptacle.



Auxiliary Generator Running

All 120-volt system operable (including rear roof air conditioner).

4.0 OR 6.5 KW CONNECTIONS (TYPICAL)

To turn the generator off, press the START/ STOP switch to STOP and hold until the generator stops running.

Check the oil level daily or before each startup; clean the cooling air inlets and outlets and remove loose dirt from the generator compartment. Change oil every 50 hours or six months, whichever comes first. If operating in dirty or dusty conditions, change oil more frequently. Drain oil from crankcase. Use oil specified in the manufacturer's manual. Remove the air cleaning element and clean it by tapping it against a flat surface. Every 100 to 200 hours, depending on operating conditions, have an authorized service center perform maintenance recommended by the manufacturer.

WARNING: When running, the engine powering a generator can discharge carbon monoxide gas, which can cause death if inhaled even for a short period. Although exhaust fumes are usually readily evident, carbon monoxide is particularly dangerous because it is colorless and odorless. When operating a generator, DO NOT open roof vents, windows or doors which could draw fumes into your unit. DO NOT operate the generator where an object, such as a tree, bush or building, may deflect exhaust fumes inside your unit. DO NOT operate the generator inside a building unless the exhaust is vented safely outside. DO NOT operate the generator where exhaust gas could accumulate and seep back inside an occupied vehicle, tent or building.

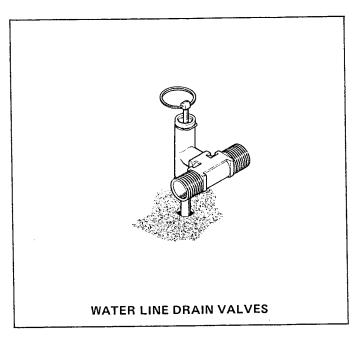
FRESH WATER SYSTEM

GENERAL

Fresh water for your unit is supplied either by the vehicle's fresh water tank or an external pressurized source. Both supply water to the kitchen sink, tub/shower, lavatory, toilet and water heater.

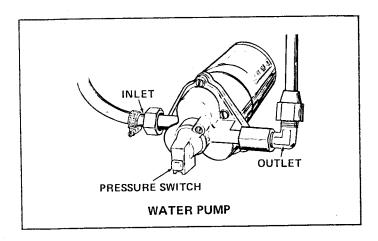
SANITIZING WATER TANK

Sanitize your unit's water tank before initial use, after a period of nonuse, and whenever the tank is suspected of being contaminated. Open the water tank drain valve. When the water tank is empty, close the valve. Mix 2 gallons of water with 2 cups liquid household bleach. Pour the solution into the tank through the gravity fill. Fill tanks with fresh water as described, below. Turn water pump ON and open all faucets and water heater relief valve. Close each one when water flows steadily from it. Turn pump switch OFF. Allow chlorinated water to stand in system for three hours. Drain system and flush with fresh water. If chlorine taste lingers, pour 1 quart of vinegar into tank, partially full of fresh water. Let vehicle motion agitate the solution for several days, if possible. Drain system completely, flush and then fill with fresh water.



WATER PUMP

Your water pump is a 12-volt DC appliance, activated by a switch on the Monitoring Panel. You may leave the switch ON while camping. This arrangement is known as a demand system. When you want water, simply open a faucet; the pump will run only as long as 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 may be empty, or there may be a leak in the system.



WATER PURIFIER

The water purifier is designed to provide clear, good-tasting, bacteria-free drinking water. It is connected to the cold water line below the sink. See the manufacturer's instruction booklet for backflushing the purifier element and maintenance.

NOTE: Replace filter cartridge if water pressure drops noticeably or a change in taste or the presence of an odor is evident.

To replace the filter cartridge:

- 1. Shut off water by lifting valve handle. Move counterclockwise as far as possible.
- 2. Turn colored ring all the way to the left. Ring will drop about 1/2".
- 3. Lift cartridge slightly and turn it further to the left until it can be disengaged.
- 4. Lower cartridge to disengage it from the ring. Discard used filter cartridge.
- 5. Insert new filter cartridge following above steps in reverse.

Check cartridge to be sure it seals after water pressure is turned on again.

FILL FRESH WATER SYSTEM

CITY WATER HOOK-UP

Connect clean garden hose to city water fill (Figure 8) on roadside of coach to bypass the water tanks and provide water under pressure without using the water pump.

CAUTION: Some localities deliver high-pressure city water — 100 psi or more. We recommend you install a pressure reducer (pressure regulator) between the faucet and your hose. Your dealer or local hardware can provide this device. It will protect your hose, as well as your coach plumbing by limiting pressure to 50 psi or less.

With city water ON, the water pump should be OFF. Check plumbing inside for leaks. Open each faucet until water flows, free of air bubbles. If the water from the lines or the water heater is dirty or has a bad odor, refer to "Sanitizing Water Tank", above, to avoid drinking or cooking with contaminated water.

WATER TANK FILL

Turn the door latch on the gravity water fill cover (Figure 9) to unlock it. Then unscrew the cap, covering the water fill. Fill tank through this fitting. Use a clean garden hose or bucket until water overflows.

CAUTION: Do not force water into spout since air in the tank must be released through the vent tube in the spout while the tank is being filled.

When the tank is full, screw the cap on the fillneck. Close the door and latch it securely. Refer to "Purge System", below.

PURGE SYSTEM

With tanks filled, turn water pump switch ON. Open each faucet until water flows through without air bubbles. Open water heater relief valve until water flows without air bubbles.

CARE OF SINKS, LAVATORY AND TUB/SHOWER

Clean the kitchen sink, lavatory, tub and showerpan with non-abrasive cleaner. Stainless steel cleaner may be purchased at most grocery stores. ABS cleaner, such as Aqua K-7, may be purchased from your CrossCountry dealer.

LEAKS

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

DRAINAGE/SEWER SYSTEM

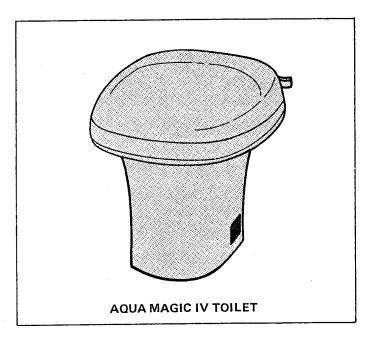
GENERAL

Your motor home will have a Drainage/Sewer system which functions much the same as the one in your home. It includes drain lines from the kitchen sinks, lavatory and tub/shower to the gray water holding tank, and a marine-type toilet which empties directly into a separate waste holding tank. The drainage system also includes roof vents which get rid of odors from the drainage and waste tanks.

They also equalize air pressure in the tanks to permit rapid, smooth drainage. Vent-checks prevent suction in the pipes from emptying the P-traps. This maintains a water barrier in the P-trap to block drainage system odors.

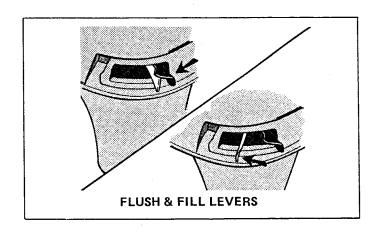
TOILET

CrossCountry uses an Aqua Magic IV toilet. The Aqua Magic IV has a flush lever (black) and a water fill lever (white) on its top left side, just below the seat edge. To flush, pull the black lever forward (clockwise) until rinse clears the bowl. Release the lever slowly. Movement of the flush lever opens the waste valve to empty the bowl. The water fill also is activated by the flush lever. After the bowl has emptied, a slow return of the flush lever ensures the normal 2" bowl refill. If more water than the normal 2" level is needed, pull the white (water fill) lever independent of the flush lever.



CARE OF TOILET — Use Aqua Bowl Cleaner as directed. DO NOT use highly-concentrated or high-acid household cleaners (NO SCOURING POWDER) to clean the bowl. IF the slide valve does not move freely, apply silicone spray.

INITIAL USE OF TOILET — Before the first use of each season and after each emptying of the holding tank, close the dump valve; then flush the toilet. When the bowl refills to 2" level, pour in an 8-ounce bottle of Aqua-Kem concentrate (or, if you prefer, granular Dri-Kem deodorant as directed on label). Flush toilet again. This will help control odors.



HOLDING TANKS

A gray water holding tank is for kitchen sink, tub/shower and lavatory water; a waste holding tank is for the marine toilet. Each should be emptied frequently, always in a specified dumping station. Most campgrounds are equipped with dumping stations, often at each campsite; many service stations also have waste dumping stations.

EMPTYING HOLDING TANKS - Be certain your vehicle is level or sloped toward the termination outlet, since emptying of holding tanks depends upon gravity. Remove the sewage drain hose (Figure 10) from its storage area in the unit's side. Check both dump valve slide handles (Figures 11 and 12) to be sure they are both FULLY CLOSED. Remove the cap from the termination outlet and connect the sewage drain hose, securely. Place the loose end of the hose in the dump station opening and hold it there. To drain either holding tank, pull the dump valve slide handle out. Drain the toilet waste holding tank first. When it is empty, lift the drainage hose and drape it over your knee (about 2' off the ground). Then, open the drainage gray water tank dump valve. Let this water flush into the toilet waste tank and then, with the loose hose end firmly in the dump station opening, lower the hose quickly to the ground to empty the gray water from both tanks. When both tanks are empty, close both dump valves and, inside the unit, flush the toilet or pour about 2 gallons of fresh water through the toilet to flush the waste tank again. Open the dump valve again to drain the tank. (If necessary, the gray water tank may be flushed by closing its dump valve and running fresh water through the sinks and shower into the tank.) When both tanks are empty, make sure both dump valves are closed before removing the drain hose. Rinse the hose with the dump station hose and then stow your drain hose in its carrier. Install the drain cap securely on the coach termination outlet.

CAMPGROUND DRAINAGE HOOK-UP

At a campsite with an on-site drain connection, connect the drain hose, as above, but only open the gray water dump valve. Sink and shower water will then drain directly into the campground septic

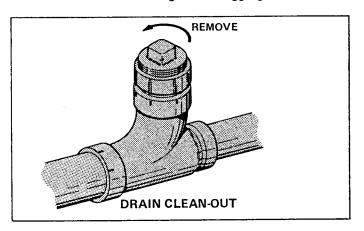
system. Only open the dump valve for the toilet waste tank when the tank is FULL or you are preparing to leave. If you leave the toilet dump valve open, the solids will collect as the liquids run off. If this happens, close the dump valve, fill the tank about half-full of water and drive several miles. This should loosen most of the solids and permit proper drainage. If necessary, let the tank soak overnight with 1/2-cup of mild liquid detergent added through the toilet.

SELF-CONTAINED OPERATION

Use both tanks with the drain cap installed and both dump valves closed. When either tank is full, drive to a dumping station to empty it. If the gray water tank is backing up in the shower, this problem can be relieved temporarily by opening both dump valves with the drain cap securely in place. This will transfer gray water to the toilet waste tank. After the water level is lowered in the gray water tank, close both dump valves. If the toilet waste tank is also full, do NOT attempt to do this.

DRAIN CARE

Use clear water to clean exterior pipe surfaces. DO NOT use harsh drain cleaner chemicals or solvents in drains. Drain clean-outs are installed at intervals to facilitate drain cleaning or unclogging.



LP GAS SYSTEM

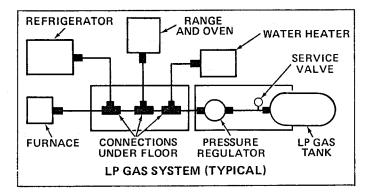
GENERAL

The Liquefied Petroleum (LP) Gas System in your unit furnishes fuel for hot water, heat, cooking, and refrigeration. LP gas, a by-product of the petroleum refining process, provides a portable, efficient and inexpensive source of energy. It is stored in a tank (Figure 13) which is mounted to the chassis of your unit and is reached through an access door. Under pressure in the tank, the LP gas turns to vapor; it is the vapor which burns.

The high pressure of the vapor in the tank is reduced in two stages through a regulator. The tank pressure will vary with temperature and altitude, but may be 100 to 250 pounds per square inch or more.

It is reduced to about 12 psi in the first stage, then to about 6-1/4 ounces in the second stage (the 6-1/4 ounces per square inch also is expressed as 11 inches of water column). 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 CrossCountry 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 CrossCountry dealer for LP gas problems. The LP tank should always be filled by an authorized LP supplier.



NOTE: Sportscoach 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 of garlic so that leaks may be readily detected.

WARNING: For your safety, if you smell gas:

- 1. Open all windows
- 2. DO NOT touch electrical switches
- 3. Extinguish any open flame
- 4. Close Service valve
- 5. Immediately call your gas supplier

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.

Before using any LP gas appliance, read the respective manufacturer's instruction manual.

CLIMATE DIFFERENCES

The appliances will not function if the LP gas does not vaporize. Butane will not vaporize below 32 degrees F. (the freezing point of water), but propane will continue to vaporize down to 44 degrees below zero. 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 & Bulk". Many campgrounds now have LP gas fill facilities, as do some service stations.

To operate any LP gas appliance, the LP gas tank's Service valve (Figure 13) must be OPEN. When first used, or after a refill, there may be some air in the gas lines which will escape when you open a range burner or similar LP gas valve. The air may extinguish your match or igniter the first time or two, before you get ignition. Remember, too, that when you close the tank's Service valve some of the gas will remain in the lines. To completely bleed the lines of gas, CLOSE the tank's Service valve and light a range burner to use up the excess. When the flame burns out, turn the range burner OFF.

FILLING THE LP GAS TANK

Before having an LP gas tank filled, be certain all burners and pilot lights are off.

Drive your Motor Home to an authorized LP supplier for filling (never remove the tank). He will connect the fill nozzle to the LP gas tank fill valve. When the tank is being filled, the Service valve must be CLOSED and the 20% liquid level gauge must be OPEN. The 80% stop fill valve may close the valve before liquid appears at the 20% liquid level gauge, but if liquid does appear, stop filling immediately; the tank is filled to its LP capacity. When liquid LP gas is no longer visible, close the liquid level gauge. Do not use a wrench to tighten 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 probably needs repair or replacement.

Because there may be some leakage of LP gas when the tank is being filled, we recommend that you drive at least a mile away from the LP gas dealer's before you relight any pilot lights or appliances. DO NOT relight pilots or appliances if the scent of LP gas is present. Open the windows and doors and wait 30 minutes. If the odor is still present, follow the instructions in the LP GAS LINE CHECK section.

CAUTION: Avoid overfilling by insisting that the LP gas tank never be filled beyond the 80% liquid level. If the tank is overfilled, have the LP gas dealer bleed out the excess. Overfilling does not allow sufficient space for the liquid to expand. This can produce excessive pressure which can cause LP gas leaks, creating a potential fire or explosion hazard. DO NOT smoke, strike a match or ignite a lighter when the LP gas tank 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 vehicle's gasoline tank(s).

LP GAS LINE CHECK

Check the gas line connection at least 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 tank 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 CrossCountry dealer.

REGULATOR PRESSURE

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 CrossCountry dealer or LP gas supplier can perform this check.

LP GAS TANK CARE

After each trip, inspect the LP gas tank. Sand off traces of rust and apply a rust preventive paint. Always use a light color paint, which reflects heat. When the LP gas system is not in use, the Service valve should be closed.

LP GAS REGULATOR FREEZE-UPS

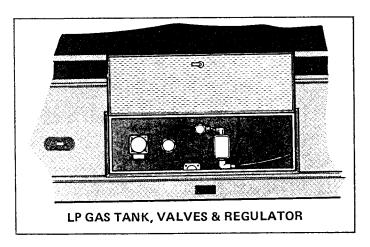
LP gas regulator freeze-up is a problem RV owners can prevent if they are aware of its causes. Freeze-up is usually caused by one of three things: moisture in the tank, an overfilled tank, or a greater vapor withdrawal demand than the tank can deliver at a particular temperature. Freeze-ups occur more 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 tank in the LP gas or through condensation if air is allowed into the tank through an open valve. Avoid these conditions by using moisture-free LP gas and keeping all tank valves closed during storage. If moisture is present, have the tank purged by an authorized dealer and have him add anhydrous methanol; he will know the correct amount for the size of your tank.

An overfilled tank 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 possibly frosting of the regulator and LP gas line. 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 tank's capabilities in certain conditions. This can cause a refrigeration effect resulting in frosting of the tank and regulator. Check with your CrossCountry dealer or LP supplier about the appliance demands which can be met by your tank at various temperatures. Always have your LP

supplier add anhydrous methanol before filling the tank in cold weather.



APPLIANCES AND ACCESSORIES

RANGE, RANGE HOOD, OVEN

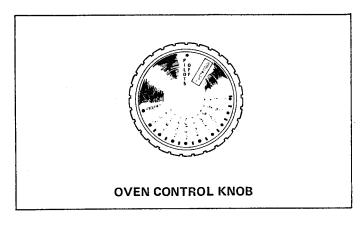
GENERAL — Your CrossCountry motor home has a four-burner range and an oven. Both are LP gas appliances. The oven will be beneath the range or at eye-level (the optional microwave oven, a 120-volt appliance, is described later in this section). There also is a range hood which has a fan and may also have a light. The light in the microwave and eye-level ovens is in the oven. The latter is operated by a red button on the range control panel. Read the manufacturer's manual for complete details on the operation and care of the range, range hood and oven.

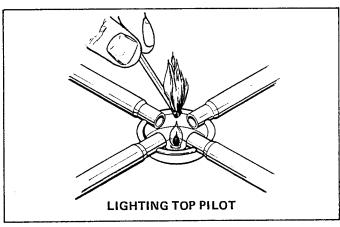
LIGHTING THE PILOTS — There are pilot burners in all LP gas ovens and on top for some range burners, as well. All pilot lights, including the range top pilot, are turned on and off by the oven temperature control knob.

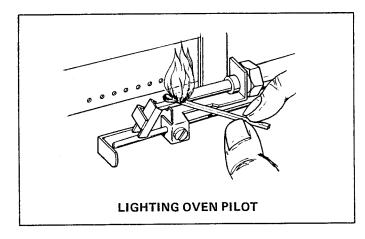
To light the pilots, be certain the LP gas tank Service valve is OPEN, then depress and turn the oven control knob from PILOTS OFF to OFF. Turn on a range top burner and light it with a match; then turn on and light a second burner. This will remove any air from the gas line quickly. Open the oven door and hold a lighted match next to the constant pilot near the rear of the oven and just below the main oven burner. Relight the oven pilot if the air in the line extinguishes the flame. When the pilot remains lit, adjust the oven control knob to the desired oven temperature. Turn one of the range top burners off and then back on. If it does not relight from its pilot, turn both top burners OFF. Lift the main top panel. If range burner pilot is provided, touch a lighted match to it. Turn a top burner full ON; if it lights, pilot is working.

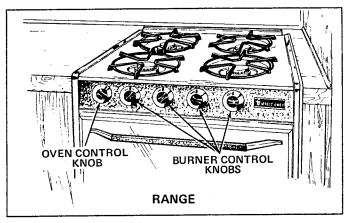
CAUTION: If pilots are provided for your oven and top burners, ALWAYS BE SURE TO LIGHT BOTH PILOTS. Open a window or vent and use the range exhaust fan to remove humidity and odors produced by cooking. Do NOT use burners or oven to heat the interior of your unit. ASPHYXIATION COULD RESULT. Set

oven control knob at PILOTS OFF when traveling.



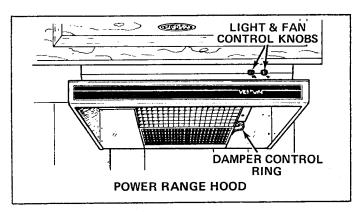






BROILER — Your oven is equipped with a broiler. To use it, light the oven and set the control knob to "B". Place the broiler pan in the area below the oven burner. Do not place meat too close to the flame, the fat may ignite. Use foil only as recommended; never cover the holes in the broiler pan or the air openings in the oven bottom with foil. Always remove the broiler pan as soon as you have finished broiling. If the pan is not removed and the oven is used, the grease may bake onto the surfaces or it may ignite.

RANGE HOOD — Your unit will have a 12-volt power range hood with a fan and light each controlled by a knob on top of the hood. To operate, pull the ring on the right side of the filter to release the damper; the damper will open when the fan is on. Turn fan ON to draw smoke and cooking fumes out of the unit. To secure the damper for travel, push the ring in.



CARE OF RANGE AND OVEN — Allow the range top to cool, then clean it with hot, soapy water. Use a damp cloth to clean chrome surfaces. Grease splatters, which may bake onto the surfaces, should be wiped off before they have time to harden. Use chrome polish to remove stubborn stains. 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.

Clean the oven with commercial cleaner after each trip, or as necessary. DO NOT apply cleaner to aluminum gas tubing, thermostat sensing bulb or electrical components.

CARE OF RANGE HOOD — For metal surfaces, use the same procedure as for the range top. Clean the plastic light cover by removing and washing it. To clean the filter, push slot located in center front of screen and pull down. If not greasy, simply tap the filter to shake out the dirt. If the filter is greasy, run hot, soapy water over it until grease dissolves. Allow the filter to drain and dry then replace by positioning the flanges and push into place. Clean fan and motor surfaces frequently to remove grease.

MICROWAVE OVEN — The microwave oven is a 120-volt unit used to cook, defrost or simmer foods in less time than other cooking methods.

The control panel has a timer, Power Select heat control, Start button and an On/Off indicator light.

To use the oven, make sure the glass tray is in place and rotates freely on the magnetic turntable. Place container of food on the glass tray. Close the door securely. Slide Power Select Control up or down to desired position. Highest heat position is at top; lowest, at bottom. Determine proper time from cookbook or other guide and set timer. Timer provides up to 30-minutes. For times less than two minutes, turn timer past two minute mark and then back to desired time. When timer is turned ON, oven light turns ON. Press START button. The COOK indicator light turns ON, turntable begins to rotate and microwave energy begins cooking food.

While the food is cooking, you may open the door to check it. As soon as the door is opened, six safety mechanisms automatically and instantly stop microwave power. The timer and oven light also turn OFF. To continue cooking, close the door and press the START button again. To change the cooking time, simply adjust the Timer. When time has elapsed, a bell rings and the unit shuts off. If additional cooking time is needed and the door has not been opened, reset the Timer and the oven will start. If door was opened, set Timer and press START button. ALWAYS SET THE TIMER AT ZERO WHEN YOU ARE NOT USING THE OVEN.

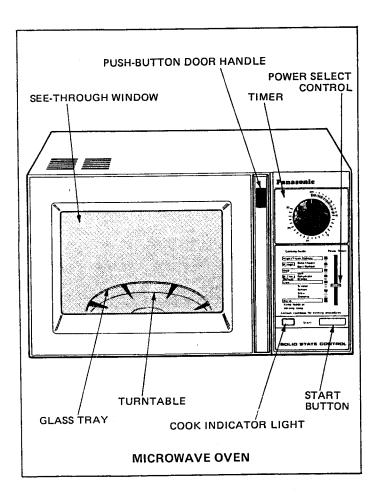
CAUTION: Do NOT use metal utensils if sparking occurs. Consult section in manufacturer's literature on cooking utensils. Also read the section on paper and plastic containers since some types may spark or catch fire. Do NOT pop corn or attempt to dry clothing or other materials in the oven; overheating may cause the food or fabric to ignite. NEVER place your watch directly on the turntable; the watch could be magnetized permanently, unable to run.

CARE OF MICROWAVE OVEN — Clean the outside and inside with a soft cloth, mild detergent and warm water. Thoroughly wipe the top, sides, shelf and back walls of the inside. Rinse well. Wipe spills off the inside every time you use the oven. To replace oven bulb, unplug the oven, loosen the screw on the rear access panel and open. Use a 25-watt "bayonet base" bulb. Fasten the rear panel and plug the oven in.

Occasionally, the glass tray, turntable and roller ring should be removed, when cool, for cleaning in warm, sudsy water. Note the position of the roller ring to be sure you re-install it correctly. While these parts are soaking, wipe the bottom of the oven with mild detergent water or a liquid window cleaner and wipe dry.

CAUTION: Do NOT dip HOT glass tray in water to cool or clean it; you may crack it instead.

11 1



WATER HEATER

GENERAL — The water heater is an LP gas appliance capable of heating 6 gallons of water to a pre-set temperature. 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 (Figures 14 and 15).

LIGHTING PILOT — Open gas bottle's Service valve. Turn the gas cock knob to OFF. Always wait 5 minutes to allow LP gas, which may have collected in the burner compartment, to dissipate. Your water heater will be equipped with a Robertshaw "UNITROL" thermostat (Figure 14) or an ITT General Control Thermostat (Figure 15).

CAUTION: Do NOT light pilot unless water heater is full of water.

ROBERTSHAW "UNITROL" THERMOSTAT — Turn the gas cock knob counterclockwise to PILOT. Press and hold the reset button while you apply a lighted match to the pilot burner. Release the reset button after pilot has burned one minute (repeat procedure if pilot goes out). Turn the gas cock knob to ON.

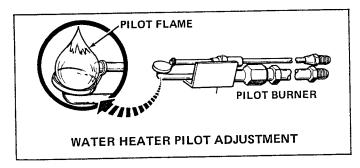
ITT GENERAL CONTROL THERMOSTAT — Turn and hold the gas cock knob to the PILOT

position as you hold a lighted match to the pilot burner. Release the gas cock knob after one minute (repeat procedure if pilot goes out). Turn the gas cock knob to ON.

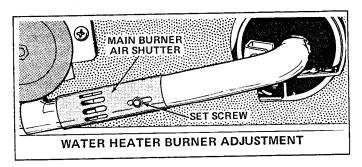
TEMPERATURE CONTROL — Adjust the Temperature Control Dial (UNITROL), or the Temperature Selector Lever (ITT) to the desired temperature as marked on the control.

NOTE: The main burner will light automatically and burn as needed to maintain the temperature you have selected. It is a good idea to light the water heater the night before you leave and turn it off in the morning. The water will remain hot for several hours while you are traveling.

PILOT ADJUSTMENT — Remove the pilot adjustment screw protective cap and turn set screw to adjust the flame so it is 1/2" high or has a yellow tip. The procedure for the ITT is the same, but the adjustment screw does not have a cap over it.



BURNER ADJUSTMENT — Loosen the set screw which holds the air shutter in place. Slide the main burner air shutter to the right until the flame has a yellow tip. Slowly slide the shutter to the left until the yellow tip disappears. Tighten set screw.



EXTINGUISHING BURNER — Turn the gas cock knob to OFF.

DRAINING — The water heater will have a drain cock or drain plug, which may be opened or removed in order to drain the water heater tank. To facilitate drainage, open all hot water faucets. When water ceases to drain, close the drain outlet. Because of the location of the drain outlet, about two quarts of water will remain in the bottom of the tank. This can be flushed as described in CARE OF WATER HEATER.

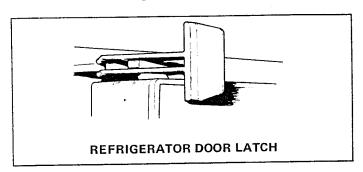
CARE OF WATER HEATER - Be certain the

exterior compartment is clean and does not contain combustible materials. Never obstruct the relief valve or vent. If the water heater has a drain cock, use a metal object to scrape away the sediment. Periodically drain and flush the water heater tank. After draining, the remaining water can be removed by flushing the tank with water or blowing dry with air. In either case, close all hot water faucets and open the drain cock or plug. The water hose or air hose can be connected to the water inlet or outlet (inside the unit) or to the relief valve port (in exterior compartment). To use the relief valve port, the relief valve must be removed. Use a pipe or crescent wrench to turn the valve counterclockwise. Attach water or air hose and flush until water ceases to drain. Replace the water inlet or outlet hose or the relief valve and close the drain cock or replace the plug. The water heater is now ready for refilling or storage.

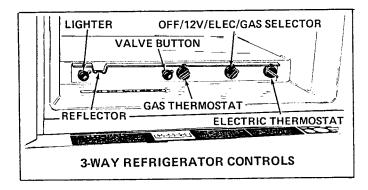
NOTE: The relief valve must be replaced securely. Use pipe compound to assure a water tight seal.

REFRIGERATOR

GENERAL - When you park your vehicle, even for a relatively short period, the refrigerator must be level since it functions on the gravity flow of chemicals. (If you must stop on an uneven site, turn the refrigerator control OFF.) Use a level on the freezer compartment floor to check levelness. Whenever possible, park the vehicle so the refrigerator side will be opposite the sun. Your refrigerator is either 2-Way or 3-Way. The 2-Way design uses LP gas and 120-volt electricity; 3-Way, can also use 12-volt electricity for power. The control panel is located inside the refrigerator door. Before starting on a trip, use the Shoreline connection to cool the refrigerator the night before. Keep items to be stored in your RV refrigerator in your home refrigerator or freezer until you are ready to leave. This will reduce the cooling load on your RV refrigerator and help keep perishable foods fresh longer. Always store food in sealable containers or suitable wrapping. When traveling, switch to LP gas or 12-volt operation. Use door latch during travel.

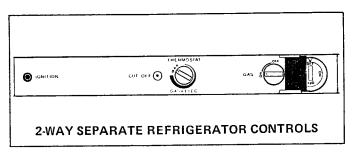


3-WAY LP GAS OPERATION — Turn the OFF/ 12V/ELEC/GAS selector counterclockwise to GAS. Pull the valve button out while pushing lighter button in. Repeat this until ignition is observed through the reflector. Turn the gas thermostat to the highest number on the dial. Later adjust temperature to meet your cooling requirements.



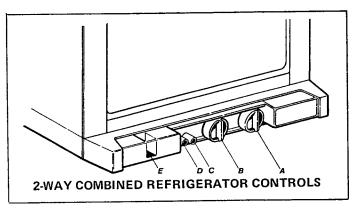
3-WAY ELECTRIC OPERATION — The refrigerator operates on 12-volt or 120-volt electricity. When the Shoreline is connected, switch to the 120-volt (ELEC) setting on the refrigerator selector knob. This will conserve your LP gas or avoid overloading the charge capacity of the converter to the RV battery. Make sure the refrigerator power cord, reached through the exterior excess door, is plugged into the 120-volt receptacle also located in the outside compartment. Be sure the breaker in the power center is ON.

Push, then turn the OFF/12V/ELEC/GAS selector to the source of power desired, 12-volt or ELEC (120-volt). Turn the electric thermostat to the highest number on the dial. Later, adjust the setting downward to meet your cooling needs.



2-WAY SEPARATE CONTROLS - GAS OPERATION — Turn ELEC Control knob so OFF is at top and bottom. Slide interlock toward right. Turn GAS Control knob counterclockwise to ON position. Turn thermostat knob clockwise to MAX position. Push and hold Cut-Off button for about 5-seconds (to clear gas line of air) before pressing Ignition button. Observe burner flame through window in the lower rear wall of the refrigerator liner. Continue operating Ignition button until burner lights. Hold Cut-Off button for 30-seconds, then make sure burner is still lit after Cut-Off is released. If burner fails to light or goes out, repeat above procedure. Later, adjust thermostat setting to meet your cooling needs.

2-WAY SEPARATE CONTROLS - ELECTRIC OPERATION — Turn GAS Control knob clockwise to OFF. Slide interlock toward left. Turn ELEC Control knob so ON is at top and bottom. Turn thermostat knob clockwise to MAX position. Later, adjust thermostat setting to meet your cooling needs.



2-WAY COMBINED CONTROL - GAS OPERATION — Turn Combined Control, knob "A", to GAS position. Turn Thermostat, knob "B", to setting 4. Hold Cut-Off, button "C", in and push Piezo Lighter, button "D", several times or until the burner flame can be seen in Reflector "E". After burner ignites, continue holding "C" for 10-seconds. Release "C" and check in reflector to be sure the burner is still lit. If flame is out, repeat the above procedure. Later adjust the thermostat "B" to a setting that meets your cooling needs.

2-WAY COMBINED CONTROL - 120-VOLT OPERATION — Make sure the refrigerator cord is plugged into its 120-volt receptacle in the outside compartment; then check to see that the Shoreline is connected to outside power and the circuit breaker in the power center is in the ON position. Then, turn Combined Control, knob "A", to ELEC (120-volt) position. Turn Thermostat, knob "B", to setting 4. Later, adjust the thermostat to a setting that meets your cooling needs.

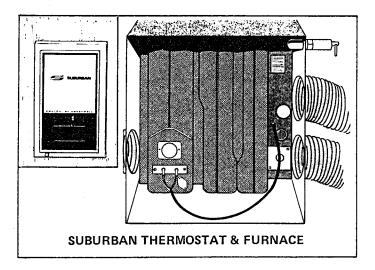
CARE OF REFRIGERATOR — Remove food and ice after each trip. Clean interior with warm water and liquid dishsoap. Wipe dry with soft, dry cloth. DO NOT use abrasive cleaning material; it will scratch interior surfaces. Prop the door open during periods of nonuse.

To defrost refrigerator freezer, 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.

FURNACE

GENERAL — The RV furnace is an LP gas appliance. It is an automatic ignition model controlled by a wall thermostat. This area thermostat is located on the bedroom wall or on the front of the galley cabinet. Heat is circulated through a duct system to each area. DO NOT block air flow in front of the furnace inlet or outlet ducts.

NOTE: It is important to remember that although LP gas is the heat source of the furnace, the blowers operate on 12-volt electricity. DO NOT operate the furnace for prolonged periods unless the converter or automotive alternator is supplying 12-volt power. Avoid running down your RV battery.



FURNACE IGNITION — When igniting the furnace, be certain the LP gas tank Service valve is OPEN. To remove front panel of furnace, remove both knobs and lift cover upward off furnace housing flange. Turn the manual valve to the OFF position. Set the thermostat above actual temperature to operate blower. Let blower run for 5 minutes.

After 5 minutes, set thermostat on OFF. OPEN manual valve. (Valve must be FULLY OPEN; NEVER ATTEMPT TO OPERATE FURNACE WITH THE VALVE ONLY PARTIALLY OPEN.)

Set thermostat on desired temperature. Allow 30 seconds for main burner to light. Burner flame may be observed through observation hole. Burner flame should be a short, sharp blue flame. If burner flame is yellow — or, if the burner emits a howling, screeching sound, the burner primary air requires adjustment, as described below.

If the burner does NOT ignite, set thermostat on OFF and repeat Ignition Procedure, above. After 3 attempts with NO ignition, go to Shut Down, below, and determine the cause.

NOTE: Do NOT continue to cycle furnace using the thermostat in attempt to get ignition.

FURNACE SHUT DOWN — Turn manual valve to OFF. Set thermostat on OFF.

BURNER ADJUSTMENT — To adjust the primary air to the main burner, the small sheet metal cover located just below and to the right of the electrode must be removed. Behind this cover is a slotted screw-head. With a screwdriver, turn this screw-head slowly counterclockwise (CCW) for LESS primary air (to eliminate screeching) or clockwise (CW) for MORE air (to provide sharp, blue flame).

NOTE: A symptom of too little air is sooting on the exterior vent and a distinct yellow, floating flame. Increase primary air (turn screw CW) to correct. IF THE SOOTING CONDITION PERSISTS AND CANNOT BE CORRECTED, DISCONTINUE USE OF THE FURNACE UNTIL THE PROBLEM CAN BE CORRECTED BY A QUALIFIED SERVICE AGENCY OR YOUR CROSSCOUNTRY DEALER.

CARE OF FURNACE — Routine maintenance is suggested before lighting the furnace prior to each heating season. Clean the circulating air blower, the inside of the furnace casing and remove any contamination. Check all piping joints with a soap solution to detect leaks. The control compartment must be kept clean at all times. Check furnace Inlet/Exhaust Cover (Figure 16) on the outside of your unit periodically to be certain it is free of objects which might block the openings.

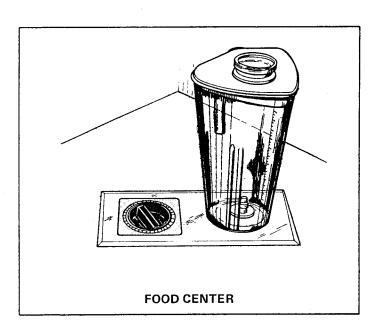
NOTE: Portable fuel burning heating appliances should not be used for comfort heating in the living area of your CrossCountry unit.

FOOD CENTER BLENDER

The optional food center blender operates on 120-volt electricity. It consists of a power unit, six-speed control and blender.

Place the blender into the blender receptacle. Turn clockwise to lock into place. Place food into the blender. NEVER operate the blender unless the lid is firmly in place. Turn the control dial to the desired speed.

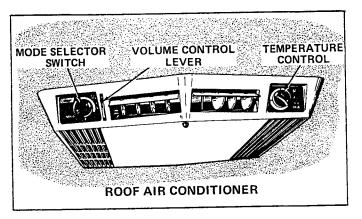
Your food center can also mix, shred, grind or slice food with additional attachments which are available from a Nutone food center dealer.



ROOF AIR CONDITIONER

GENERAL — The roof air conditioner will operate ONLY on 120-volt electricity.

CONTROLS — The roof air conditioner is controlled by a panel on the portion of the appliance which is attached to the ceiling inside your unit. Turn the control knob clockwise for colder air and counterclockwise for warmer air. You can adjust the air volume by sliding the volume control lever up or down.



MODE SELECTOR SWITCH — You can select FAN ONLY, or COOLING with the Mode Selector Switch. FAN ONLY is used to recirculate and filter the air inside your unit. The fan and filters operate during each mode as well, but on FAN ONLY there is no cooling function. To cool the air, turn the selector switch to the desired fan speed within COOLING function and turn the temperature control to the desired coolness. For fastest cooldown, turn the air volume control lever to maximum output. Use the HEAT setting whenever air is chilly.

CAUTION: After turning the air conditioner off, allow 3 to 5 minutes before returning the selector switch to COOLING.

CARE OF AIR CONDITIONER — Remove and clean the filter at least once every two weeks if it is used extensively. Wash filter with soap and water. DO NOT operate the air conditioner for extended periods without a filter.

HELPFUL HINTS ON AIR CONDITIONING

- 1. Keep window curtains closed.
- 2. Park rear of coach downwind to increase compressor cooling and help remove exhaust heat.
- 3. Park in shade.
- 4. Operate bath vent fan while showering, to remove heat and humidity.
- 5. Use kitchen vent fans when cooking.
- 6. Use as few range burners as possible.
- 7. The air conditioner removes moisture from the air and it is normal for water to drain off the roof.
- 8. The rear roof air conditioner is powered only by the auxiliary generator.

AM/FM/MPX STEREO RADIO AND 8-TRACK OR CASSETTE TAPE PLAYER

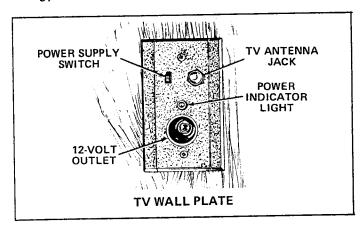
The tape player is equipped with an automatic head cleaner. Occasionally you will have to clean oxide off the tape playback gear, capstan shaft and the automatic track selector. To activate the capstan, depress the switch (located next to the capstan) with the eraser end of a pencil. Use a cotton swab, moistened with isopropyl alcohol, to clean the play-

back head, capstan shaft and the automatic track selector.

CAUTION: DO NOT use carbon tetrachloride to clean components of the tape player.

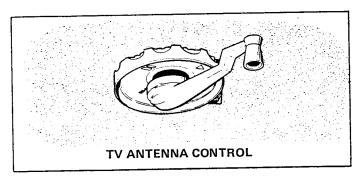
TV ANTENNA

If you plan to use a television set in your CrossCountry unit, a standard antenna will improve your reception. A coaxial connection for the antenna cable from your TV set, and a switch which turns on the amplifying system, are mounted on a wall plate. A light indicates when the power outlet switch is on. The plate also may include a 12-volt receptacle for TV sets especially designed for that type of energy.



Simply turn the antenna crank handle in the UP direction until some resistance is felt. Pull down the rotating knob to disengage it from the ceiling plate and turn it until you find the best sound and signal.

Always lower the antenna before moving your unit. Turn the rotating knob so that its pointer lines up with the ceiling plate pointer. Turn crank handle in DOWN direction until some resistance is felt. Turn off the power switch.



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 CrossCountry motor home looking nice, however. It can ensure trouble-free operation and maximum efficiency of the various components and appliances.

Failure to properly maintain the vehicle or its components may constitute a breach in your warranty obligation. This section is to assist you in performing preventive maintenance. Negligence, misuse or installation of unauthorized equipment could affect the operation of your unit and may void your warranty. See the various manufacturers' manuals for specific maintenance instructions.

ROOF

Your unit is equipped with a sealed roof design which your dealer should inspect and re-seal at the start of each season. The roof should be washed and waxed periodically. The awning rails should be coated with silicone and the window seams with rubber sealant.

BODY

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

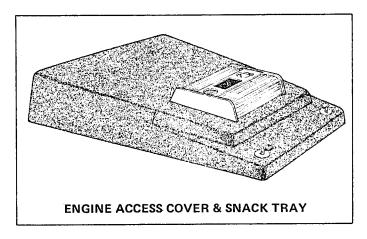
CAUTION: To avoid marring body surfaces, DO NOT use abrasive cleaning compound or cloth; DO NOT wipe the surface with a dry cloth; DO NOT wash or wax your unit in the hot sun, wait until the surfaces have cooled.

FRAME

Inspect the frame periodically. Remove dirt and dust and apply rust preventive paint.

AUTOMOTIVE SYSTEM

See your chassis owner's manual for recommended maintenance of the automotive system and components.



To remove the engine cover, release the two latches; one is beside the driver's seat and the other beside the passenger seat.

Lift the engine cover and use support rod to hold it open. To close the cover, stow the support rod, lower the cover and fasten the latches.

CAUTION: The interior engine access cover must be properly sealed to prevent engine

exhaust from entering the vehicle. Make certain that carpeting or other materials do not interfere with the installation of the access cover.

STORAGE

GENERAL

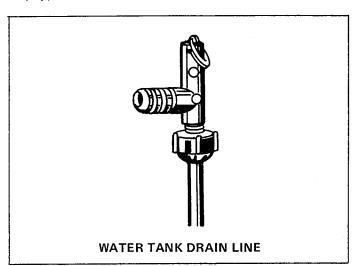
You should perform the following procedures if you will not be using your unit for an extended period.

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.

WATER TANK

Turn ON water pump. Open all water faucets. Open the water tank drain valve and the hot and cold water line drain valves. Water line drain valves are inside, near the water tank. When the tank is empty, close all faucets and drain valves.



WATER HEATER

Drain the water heater by opening the drain cock or removing the drain plug and opening all hot water faucets and relief valve. Close all valves and faucets when the water ceases to drain. To flush or blow dry, see CARE OF WATER HEATER in the APPLIANCE section.

WATER PUMP

When the water tank and water lines have been drained, remove the outlet hose from the pump. Turn the pump ON, allowing it to pump out any remaining water, usually about a cupful. Use a towel or rag to absorb this water. If you wish to blow the lines out with air, apply the air nozzle to the system where the outlet hose has been removed. Be sure all valves are open. You can reattach the outlet hose now or later. The pump is now ready for summer or winter storage.

FURNACE

To shut down the furnace for storage, turn OFF the gas control knob, the power switch and the thermostat.

ELECTRICAL SYSTEM

Turn OFF all circuit breakers at the electrical Power Center.

EXTERIOR

Store your unit in a garage or other shelter, if possible, or cover with a tarpaulin or plastic.

INTERIOR

Close and secure all doors and windows. Open a roof vent or window slightly to allow circulation, but be certain interior damage does not occur during inclement weather.

WINTERIZATION

GENERAL

You should make special preparations for storing your unit in winter. All systems, components and appliances should be inspected and repaired prior to storage. Winterize the unit before removing the batteries.

Drain the fresh water system and water heater as described in STORAGE section. Holding tanks should be drained and rinsed. The dump valve shafts should be inspected and lubricated if needed. Be certain the dump valves are closed. Then pour 6 gallons of approved, non-toxic RV antifreeze into the gravity water fill. This will allow you to winterize the fresh water, drainage and sewer systems, and the water heater. Follow the checklist below.

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

FRESH WATER SYSTEM can be winterized by briefly opening all faucets and turning the pump ON, with all of the sink and tub/shower drains closed. Turn the faucets off when antifreeze flows out. Turn water pump OFF. Water pump should be prepared as described in STORAGE section.

WATER HEATER can be drained by opening the drain cock or removing the drain plug and opening all hot water faucets and the relief valve. Although about two quarts of water will remain, there is ample room for expansion if it freezes. However, this water can be flushed as described in the CARE OF WATER HEATER in the APPLIANCE section, and antifreeze may be added if desired. The antifreeze can be added directly to the water heater tank or after the water system has been winterized, by opening a hot water faucet and the drain cock or plug. Close the drain cock or plug and the faucet when antifreeze appears at the drain outlet.

AQUA MAGIC TOILET should be flushed until antifreeze is present in the bowl. Turn the

flush knob and insert a round object such as a soft drink bottle, into the bowl outlet. Slowly release the knob until the blade holds the object in place. This will prevent water residue from being trapped inside the bowl where it could freeze. Leave the object in place all winter.

DRAINAGE SYSTEM should be winterized by removing the sink and tub plugs to allow antifreeze to circulate through the lines. Pour an additional 2 cups of RV antifreeze into each drain.

SHOWER HEAD should be drained and filled with winterizing solution.

LP GAS REGULATOR should be covered to keep moisture out of the vent. LP gas system should be prepared as described in the STORAGE section. Containers should have anhydrous methanol added by an LP supplier.

BATTERIES should be recharged and water added, if needed. Disconnect cables and store in a cool, dry place. Check regularly and recharge as needed.

NOTE: DO NOT store batteries where they might be exposed to extreme heat or sparks. Be sure area is properly ventilated since batteries give off hydrogen fumes.

DRAPES should be removed and washed or dry cleaned.

WINDOWS should be masked with newspaper or similar material.

COUNTERTOPS AND CABINETS should be cleaned.

REFRIGERATOR should be cleaned and the doors propped open. Cover exterior panels and roof vents.

FURNACE should be cleaned and exterior vents covered.

RANGE/OVEN should be cleaned, inside damper closed and range hood vent should be covered on the outside of the unit.

ROOF AIR CONDITIONER filters should be cleaned and then replaced and the shroud should be covered on the outside of the unit.

CHASSIS should be prepared for storage by the respective chassis dealer or service station.

EXTERIOR of the motor home should be cleaned and liquid waxed; locks and hinges should be oiled, and snow accumulation should be removed regularly with a long-handled broom. For prolonged storage periods, the unit can be placed on wooden blocks or heavy duty jacks on a firm, level surface.

TIRES AND WHEELS should be removed, partly deflated, hung on a wall and covered to protect them from sunlight, if the unit is placed on blocks or jacks.

NOTE: Before using your unit after a period of storage, drain the antifreeze from the fresh water system. Prepare for use as described in the Sanitizing Water Tank section, BASIC SYSTEMS section, and Water Tank, STORAGE section.

FIRE SAFETY

Prevention is the best form of fire safety. Follow the instructions previously listed for the care, maintenance and operation of the various appliances in your vehicle. Make certain everyone in your party is familiar with emergency features of the unit, the locations of exits and the location and operation of fire extinguishers. A chemical fire extinguisher has been furnished with your unit.

Follow the same rules of prevention that you would at home. DO NOT smoke in bed. DO NOT overload the electrical wiring. DO NOT use matches, candles or lighters to look into dark closets or drawers. DO NOT leave food cooking unattended. DO NOT permit children to play with the controls of LP gas or electrical appliances. DO NOT store flammable liquids inside your unit.

If a fire does start, get all members of your party outside. If it is a small fire, use the fire extinguisher. If the fire cannot be extinguished quickly, GET OUT. Close the LP gas Service valve, if possible, and move a safe distance from the vehicle. Call the fire department. DO NOT re-enter the vehicle until officials declare it safe to do so.

EMERGENCY EXITS

Sliding windows, which can be easily opened, may be used as an emergency exit. Pull the window latch toward you, then slide the window and the screen open. Emergency exit windows are identified by an "EXIT" label on the glass.

VISITING CANADA OR MEXICO

GENERAL

Passports or visas are not required for entry into CANADA or MEXICO. However, tourist cards are necessary for MEXICO if you will be staying more than 72 hours or travel farther than 40 miles from the border. Cards can be obtained at the port of entry or from a Mexican consulate. You should carry your birth certificate, voter's registration card, baptismal certificate or similar proof of identity when entering either country. Naturalized U.S. citizens should carry their naturalization papers or other proof of citizenship. Persons under 18 years of age should carry a notorized letter from their parents or guardians giving them permission to travel in CANADA or MEXICO.

The information in this section is general in nature and subject to change by the Canadian or Mexican government. For specific information, including rules for re-entering the U.S., as well as points of interest and campsites, contact the consulate nearest the point at which you plan to enter the country.

VEHICLES

No special driver's license or permit is necessary in either country, but renew your license if it has or will expire during the trip. Proof of vehicle ownership is required at the border. If you are using someone else's unit, you should have a notarized letter authorizing its use. MEXICO requires a vehicle permit for every self-propelled vehicle. The permit can only be obtained from Mexican customs (Auduana) offices upon presentation of tourist card, vehicle registration, and title or notarized statement from owner.

CANADA requires a Canadian Non-Residential Interprovincial Motor Vehicle Liability Insurance card, which is only available from U.S. agents. All provinces in CANADA require evidence of financial responsibility if visitors are involved in an accident. Limits vary from province to province. Contact your insurance agent for details. Your insurance policy is NOT valid in MEXICO. Temporary insurance must be purchased from Mexican companies whose offices are located near the border.

CB RADIO

CB radio operation in CANADA requires a temporary license which can be obtained by writing Regional Director, Telecommunications Regulation Branch, Department of Communications, 20th Floor, 2085 Union Ave., Montreal, Quebec H3A 2C3, Canada. MEXICO currently prohibits the use of CB radios.

HUNTING AND FISHING

Each province has its own laws and license requirements. You must provide a written description and the serial number of each gun at the border. Revolvers, pistols and fully-automatic firearms are prohibited in CANADA. A license must be obtained from the province in which you intend to hunt or fish. Further information can be obtained by writing the Department of Lands and Forests, Wildlife Branch, in the province you intend to visit. Hunting and fishing laws in MEXICO are extremely complicated. Request further information from Secretaria de Communicaciones, Estados Unidos Mexicanos, Mexico DF.

DOGS AND CATS

CANADA requires a certificate, signed by a licensed veterinarian in the U.S. or CANADA, attesting that a dog has been vaccinated for rabies in the past 12 months. The certificate must contain a description of the dog and date of vaccination. Puppies under 3 months old need no certificate. There is no restriction on the entry of healthy cats.

A certificate, signed by a licensed veterinarian, describing the pet and attesting that it has had a rabies shot in the past 6 months, is required in MEXICO. A fee is charged for the required verification of the certificate by a Mexican consulate.

1 1

MAINTENANCE RECORD

DATE	MILEAGE	SERVICE SHOP NAME & ADDRESS	DESCRIPTION OF SERVICE

APPLIANCE IDENTIFICATION FORM

Should your unit or one of the appliances require warranty service, you will have to identify the manufacturer, model designator and serial number. Fill in this form as soon as possible. It will help you meet our identification requirements. Depending on your unit, certain items listed below may not be offered as either optional and/or standard. Most of this information can be found on the Recreational Vehicle Data Card attached to the inside of one of the kitchen cabinets.

EQUIPMENT	MANUFACTURER	MODEL DESIGNATOR	SERIAL NUMBER
Motor Home Body	SPORTSCOACH		
Motor Home Chassis			
Keys — Door		<u></u>	
Exterior Storage	-***		
Other			
Range/Oven			•
Furnace — Front			
Furnace — Rear			
Toilet			
Converter			
Refrigerator			
Electric Water Pump			
Water Heater			
Roof Air Conditioner - Front			
Roof Air Conditioner — Rear			
Automotive Air Conditioner			
Radio			
TV Antenna			
Generator			
Microwave Oven			
Food Center Blender			The state of the s
AM/FM/MPX Stereo Radio,			
8-Track or Cassette Tape Player			
ELECTRICAL SPECIFICATIONS			
FUSES Interior — 15-amp., 12VDC			
LIGHT BULBS Interior 12VDC (Except dome light inside driver compartment) Range Hood Grab Handle Turn, Tail and Stop	 1141 25 Watts (12VDC) 67 1157 	Backup License Plate Clearance Patio	1156 67 57 1003

MISCELLANEOUS - See page 30 for dimensions, weight, wheel and tire ratings for your unit.

CROSSCOUNTRY SPECIFICATIONS

	26BB	26SB & 26RB	28\$B	32SB
CAPACITIES				
Fuel (Gasoline) - Dual Tanks	85-gallons	85-gallons	85-gallons	85-gallons
Dual - Fuel / LP-Gas, Basic	85 lb. Tank	85 lb. Tank	85 lb. Tank	85 lb. Tank
Dual - Fuel / LP-Gas, Optional	N.A.	N.A.	220 lb. Tank	220 lb. Tank
LP-Gas Tank - Standard	65 lb. Tank	65 lb. Tank	65 lb. Tank	65 lb. Tank
LP-Gas Tank - Optional	85 lb. Tank	85 lb. Tank	85 lb. Tank	85 lb. Tank
Water	45-gallon	45-gallon	50-gallon	57-gallon
Toilet Holding Tank	36-gallon	36-gallon	36-gallon	36-gallon
Sink Holding Tank	36-gallon	36-gallon	36-gallon	36-gallon
BODY SPECIFICATIONS				
Engine		- 454 CID V-8 Chev		_
Engine	350 CID / & Diesel			
Width (Exterior)	7′ 11-1/2′′	7' 11-1/2''	7′ 11-1/2′′	7′ 11-1/2′′
Length	25′9″	25′9′′	28'6"	32′6″
Height (Exterior)	10′3″	10′3″	10′3″	10′3″
Interior Headroom	6'6''	6′6′′	6′6′′	6'6''
Curb Weight	8,072 lbs.	8,775 lbs.	9,540 lbs.	10,567 lbs.
GVWR (Gross Vehicle Weight Rating)	12,300 lbs.	12,300 lbs.	14,500 lbs.	14,500 lbs.
Front Axle Rating	Refer to Chassis VIN Plate for Axle Ratings.			L.
Rear Axle Rating	nei	er to Criassis virvira	110 101 7 1110 110 110	•
Tire Size	$7.50 \times 16D$ $8.00 \times 19.5D$			
Tire Pressure (Cold)	Refer to Chassis Manufacturer Manual or Side of Tire.			Tire.
Transmission, 3-speed Automatic	— — — 475 Turbo-Hydro — — —			
COMPONENT SPECIFICATIONS				
Air Conditioner, Roof	11,000 BTU	11,000 BTU	11,000 BTU	11,000 BTU
Air Conditioner, Roof - H.D.	13,500 BTU	13,500 BTU	13,500 BTU	13,500 BTU
Furnace, Auto-Light - Standard	19,000 BTU	19,000 BTU	24,000 BTU	24,000 BTU
Furnace, Auto-Light - Optional	24,000 BTU	24,000 BTU	34,000 BTU	34,000 BTU
Furnace, Auto-Light - H.D.	34,000 BTU	34,000 BTU		
Power Center	45-amp W/	12-volt Converter, C	harger, Fuses and B	reakers
Generator (Power Plant) - Basic	4.0 KW	4.0 KW	4.0 KW	4.0 KW
Generator (Power Plant) - H.D.	N.A.	6.5 KW	6.5 KW	6.5 KW
CHASSIS SPECIFICATIONS				
Wheelbase	158-1/2"	158-1/2"	178"	208″

CROSS COUNTRY SERVICE & WARRANTY POLICY

Service of your CrossCountry falls into three categories: CrossCountry items, separately warranted products and vehicle chassis.

All CrossCountry warranty service must be done through an authorized or approved CrossCountry dealership or service center. Your warranty may be voided by unauthorized service or repair. Contact your CrossCountry dealer for warranty service. Proof of original ownership is required for all work performed under warranty.

If any question regarding warranty cannot be resolved at the dealership, contact Sportscoach Warranty Department at Sportscoach Corporation of America, 1520 Mishawaka Ave., (Box 1945), Elkhart, IN 46515. Telephone (219) 262-3471.

IMPORTANT: When calling or writing, please supply:

CrossCountry Serial (VIN) Number Model and Type of Unit Current Mileage Date of Original Purchase Original Selling Dealer's Name and Address Your Name, Address and Phone Number

SP(ORTSCO	DACH SCA	OWNER REGISTRATION CARD
	SERIAL NO.	MODEL	PURCHASE DATE
		į	
OWNER:			
DEALER:			
A Division of Coachmen Industries, Inc.			

We are sure you realize that your warranty from us does not extend to damage from neglect, accident, misuse, abuse or failure to follow service and use instructions. Nor does our warranty cover lack of proper maintenance, normal fair wear and tear, unauthorized repairs or modifications to any part of the containment systems or body that might cause defective performance. We do not assume responsibility for loss of use of the unit, loss of time, inconvenience or expense due to equipment failure.

SEPARATELY WARRANTED PRODUCTS

Sportscoach is not the manufacturer of the following products: chassis, tires, tubes, batteries or the 120-volt auxiliary power plant.

These products are warranted by the individual manufacturer and a copy of their warranty has been supplied to you. Sportscoach does not accept responsibility for these separately warranted products and does not maintain parts or facilities for servicing

these items. All warranty registration cards should be filled out and mailed immediately.

SERVICE ON SEPARATELY WARRANTED PRODUCTS

On Separately Warranted Products, contact the authorized service and repair center from the list provided with the product information booklet. Or, contact the manufacturer directly.

Be sure you understand the conditions and limitations of that manufacturer's warranty.

CAUTION: Service performed by other than authorized service centers is not covered by your warranty.

Obtain a warranty work authorization number before work is performed. Consult with authorized service personnel for details of warranty service for product involved.

To obtain parts for separately warranted products, contact authorized service center or manufacturer of product. (Provide Product Name, Model and Serial Number. Also, provide description of problem, of part and quantity needed. Also, give shipping instructions.)

SERVICE ON CHASSIS WARRANTED PARTS

For service or repair on any chassis part or system, contact any authorized chassis manufacturer dealership. If the dealership cannot solve the problem, contact the chassis manufacturer's Local Zone Office in the area.

Consult the Chassis Owner's Manual provided with your unit for service and maintenance information.

CHASSIS DEALER		
LOCAL ZONE OFFICES		
OTHER		
		·····

111



NEW RECREATIONAL VEHICLE LIMITED WARRANTY

WHAT WE WILL DO

Sportscoach Corporation of America will, for one year from the first retail purchase date, or after the date the product was first placed in service, whichever comes first, make repairs which are necessary because of defects in material or workmanship. We will repair or replace any defective part at no cost to you. Because of design changes and improvements, we may substitute parts or components of substantially equal quality. This warranty covers you, as the first retail purchaser of our new product and you may transfer this warranty during its one-year duration to subsequent owners if you have the product inspected by an authorized dealer and pay a fee for the inspection and related paperwork.

WHAT YOU MUST DO

For warranty service, take the product, at your expense, to an authorized dealer or service center and present your Owner Registration or Temporary Owner Registration Card.

WHAT IS NOT COVERED

Automotive chassis, tires, batteries and optional generators which are warranted separately by their manufacturers.

Damage such as that caused by misuse, abuse, collision, alterations, lack of proper maintenance, improper repairs or environmental damage.

Normal deterioration of fabric and decorative items due to wear or exposure.

Any product which is used for commercial purpose or held for rental.

Any product which is not used for its customary purpose.

Maintenance service—it is your responsibility to maintain the product in accordance with the instructions provided in the owner's manuals.

Any product which is not registered and normally used in the United States or Canada.

Any promises made by any person beyond those stated in this warranty.

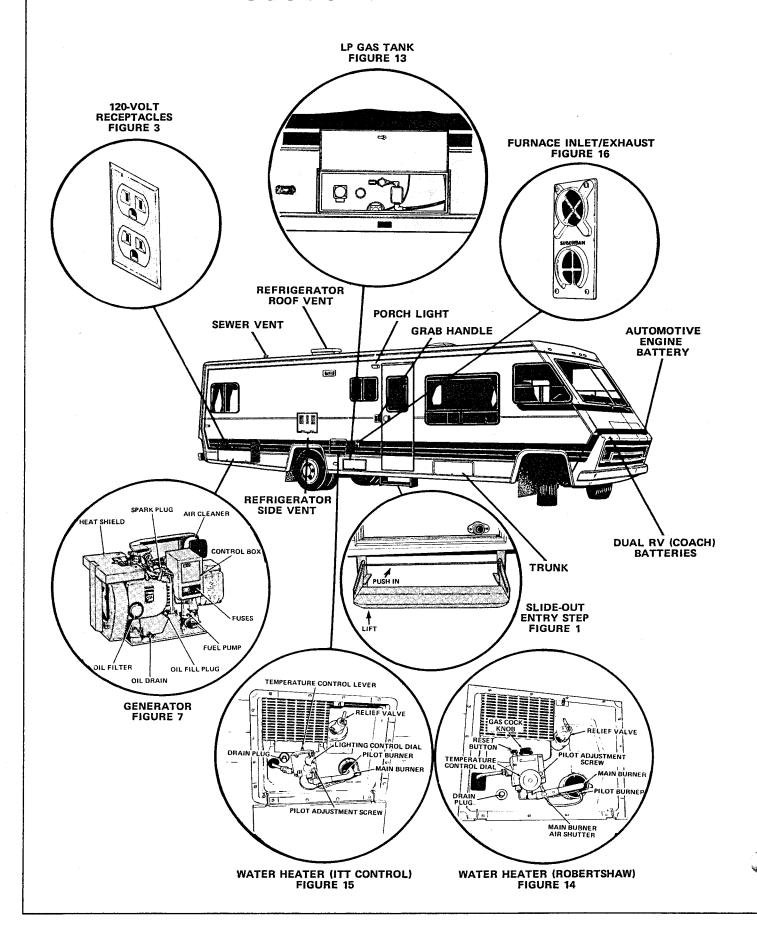
WE SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, such as your expenses for transportation, lodging, loss or damage to your personal property, loss of use of your product, inconvenience, or loss of income. Some states do not allow exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

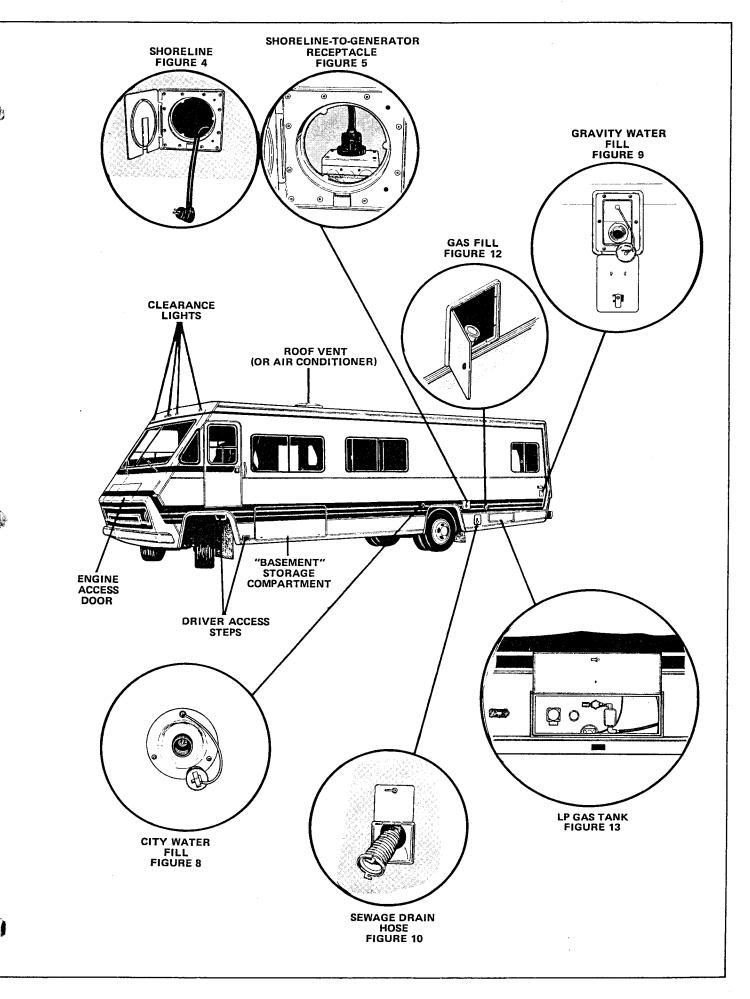
IMPLIED WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE ONE-YEAR TERM OF THIS WRITTEN WARRANTY. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

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

We want you to be satisfied with your new product. For further help or information, contact: SPORTSCOACH CORPORATION OF AMERICA SERVICE DEPARTMENT, P.O. BOX 1000, MIDDLEBURY, INDIANA 46540.

CROSSCOUNTRY MOTOR HOME







55667 County Road 15 South Elkhart, IN 46515 219/522-6224