

1976



LEPRECHAUN MINI MOTOR HOME OWNER'S MANUAL



Coachmen
RECREATIONAL VEHICLES

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INSURANCE

Personal liability, property damage, collision and theft of contents may be features of your automobile insurance policy which apply to your Coachmen unit. Talk to your auto insurance agent for further information. Always carry your policy card.

INTERNATIONAL TRAVEL

Check your driver's license. Renew it if it has expired or will expire during your trip. Passports are not required for entry into either Canada or Mexico. We recommend that you carry some sort of proof of identity (Birth certificate, voter registration card, etc.). Contact your auto insurance agent. Special temporary insurance coverage provisions may have to be made.

CANADA Each province has its own fishing and hunting laws and licenses. You must present a written description of each rifle or shotgun, along with each serial number, to the customs official at the border. Revolvers, pistols, fully automatic rifles and weapons with an operational length of less than 26" are prohibited. Dogs and cats — You must carry a certificate, signed by a licensed veterinarian, which describes the pet and attests that the animal has had a rabies shot within the past 12 months.

MEXICO You must carry a tourist card. One may be obtained either at the port of entry or from a Mexican consulate. If you intend to hunt, you must obtain a firearms permit before your trip. Dogs and cats — You must carry a certificate, signed by a licensed veterinarian, which describes the pet and attests that the animal has had a rabies shot within the past 6 months. You will have to pay a nominal fee at the border for a pet permit.

For further information regarding regulations, points of interest and campsites, contact the appropriate consulate.

TRAVEL PREPARATION

The following list is presented to aid you in deciding what clothing and equipment to take along. It also includes a few basic procedures which should be considered before each trip.

CLOTHING — Compile a clothing list for each person. Consider season and geographical location through which you intend to travel. Basic articles: Underwear, socks, footwear, shirts or blouses, trousers or slacks, dresses, shorts, sweater, jacket or coat, rainwear and swimsuit.

PERSONAL HYGIENE — Toilet paper, soap, washclothes, towels, toothpaste, deodorant, and shaving kit.

CAMP HYGIENE — Dishsoap, dishcloth and dish-towel; garbage and trash bags; mop, broom and dustpan.

SAFETY — 2 fire extinguishers; flares and reflectors; first aid kit; tow rope and chain.

FOOD & WATER — Take along enough food for 3 complete meals for each person. Consider how much water will be required for self-contained operation.

MEAL PREPARATION — Bottle cap and can opener; matches, lighter or igniter device; pots and pans; plates, glasses, and cups; silverware and carving knife.

TOOL CHEST — Include an assortment of wrenches, pliers, hammer, screwdrivers, tire pressure gauge, electrical and masking tape.

ADDITIONAL TOOLS — Hatchet, saw, shovel, and 12-volt portable tire pump.

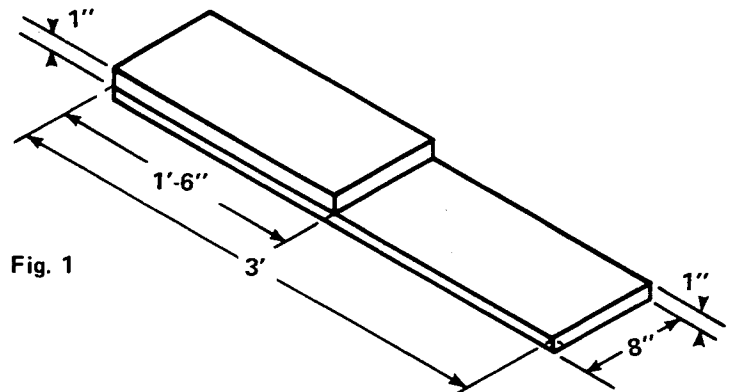


Fig. 1

SET UP — Drain water hose (*garden*) and bucket; fresh water hose (*garden*) and bucket; "Y" type water hose fitting; 20' long 3-wire power cord; 3-prong adaptor with grounding wire; wheel chocks; 2-step leveling ramp (FIG. 1).

SLEEPING GEAR — Pajamas, pillows, sheets, blankets or sleeping bags.

ENTERTAINMENT — Take along games and toys for rainy day entertainment.

IMPORTANT DOCUMENTS — Vehicle registration and insurance policy card(s).

TOURIST INFORMATION — Obtain current road maps and tourist information for each state through which you intend to travel. Purchase a tourist guide book.

HOME SECURITY — Give a trusted neighbor, friend or relative a house key and your travel itinerary. Make arrangements for someone to check your house at least once a week. If you intend to be away for more than 2 weeks, request police surveillance. Stop mail and newspaper delivery. Carry an extra set of vehicle and house keys on a separate key ring.

DRIVING

Remember your new recreational vehicle is longer, wider, taller and heavier than your family car. Your driving habits will have to be somewhat modified in order to compensate for this increase in size. Here are a few basic tips to consider.

SPECIFICATIONS — Know the clearance measurements of your unit as listed in the SPECIFICATIONS section.

TURNING — Because the turning radius of your unit is greater than your passenger car, pull at least 2' further into the intersection before turning. On right turns, this procedure will prevent the rear wheels from bouncing over the curb, parked cars, or pedestrians. On left turns, the unit will swing wide of cars waiting at the cross street of an intersection.

FOLLOWING — Always maintain at least one vehicle length spacing from the vehicle ahead of you. Do not pull up to the slower moving car while you wait for a chance to pass him. He may unexpectedly slow down or stop.

PASSING — When you wish to pass a slower moving car, remember that additional time and distance will be required to safely accomplish this maneuver. Wait until the road is clear of oncoming traffic for at least one-half mile. Always check the rear view mirrors and signal lane change before passing another vehicle. Shift transmission to lower gear range by depressing accelerator pedal briskly. When clear of the other car, signal lane change and return to your original lane.

BRAKING — Allow sufficient distance to safely stop your unit. Pump the brake pedal lightly to stop on wet or icy roads. If your unit starts to slide, turn the steering wheel in the direction of the slide. DO NOT tromp down on the brake pedal — a panic stop will increase the slide. DO DRIVE slow enough so that you may stop your unit safely without risking a panic slide.

DO NOT rest your foot on the brake pedal while driving. Riding the brakes in this manner may cause abnormally high brake temperatures, excessive lining wear and possible brake failure.

PULLING INTO TRAFFIC — Check for oncoming traffic in all directions. Signal before entering the traffic flow. Accelerate slowly and smoothly. DO NOT tromp the accelerator to the floor; jack rabbit starts waste gas.

OVERHEATING — The engine may overheat while climbing and descending steep grades. If your unit's engine should overheat, pull well off the road. Shift to neutral (N) gear and run the engine with your foot resting lightly on the accelerator pedal. If the engine does not cool within 5 minutes, turn it off and find the problem before continuing with trip.

Engine temperature problems may be avoided: climb long grades and descend moderately steep grades in second gear; climb steep grades in first gear; turn off auto air conditioner, if so equipped.

WARNING: *DO NOT exceed 40 mph in 2nd gear or 25 mph in 1st gear — excessive engine speed will overheat the transmission, which in turn may cause the transmission to fail.*

HOLDING ON AN UPGRADE — Use foot brake or parking brake and parking gear to hold the vehicle on an upgrade. Using a driving gear to hold the unit may cause the engine or transmission to overheat. Furthermore, DO NOT idle the engine for more than 1 minute with the transmission in gear.

PARKING ON A GRADE — When parking on a grade: apply foot brake; shift the transmission to park; apply parking brake; release foot brake.

WARNING: *If you do not follow the preceding procedure, you may not be able to move the transmission selector out of parking gear. If this torque lock condition should occur, you may have to have another vehicle nudge yours up the hill while you move the selector out of parking gear to neutral.*

OVERHEAD OBSTRUCTIONS — Tree branches, awnings and other overhead obstructions may damage your unit's roof, equipment and accessories mounted on the roof. Know the height clearance measurement of your unit.

FREEING A STUCK VEHICLE — To pull your unit out of snow, sand or mud, apply slight pressure on

the accelerator pedal and move the gear selector rhythmically between 1st gear and reverse. If possible, keep the front wheels pointed straight ahead. Avoid sharp turns. Once the unit starts to move, do not stop until it is on firm ground.

WARNING: *DO NOT race the engine or spin the wheels, the transmission will overheat and may cause it to fail.*

TOWING — We Do Not recommend towing trailers (boat, camping, travel trailer, etc.) or other vehicles with this unit.

CAMP SITE SELECTION

Arrive at the campground early enough so that you may inspect and choose a parking site during daylight hours. Check ground firmness — avoid mud, sand and gravel. DO NOT camp next to a swamp, stream or other bodies of water — mosquitoes and other insects may be quite bothersome. Check for dead trees and loose limbs — a strong wind may blow them over and damage your unit. Avoid areas which display signs of flash flooding, such as exposed tree roots or other erosion.

WINTER USAGE — Park behind a grove of trees, bushes or any other type of windbreak. Cover the gap between your unit and the ground with plastic, canvas or other suitable insulating material. These procedures will help maintain a comfortable interior temperature.

FIRE EMERGENCY

DO NOT smoke in bed. DO NOT overload the electrical circuits or tamper with fuses, circuit breakers or electrical wiring. DO NOT use a match, lighter or candle to look into a dark closet or drawer. DO NOT leave meals cooking on the stove unattended. DO NOT permit children to play with the controls of either LPG or electrical appliances. DO NOT store flammable liquids inside the unit. Plan fire emergency procedures and be sure all members of your group know and understand them. Always carry at least one fire extinguisher. Contact your local fire department for basic firefighting instructions.

If a fire erupts, it must be extinguished quickly. If you can not put it out with one fire extinguisher, get out. (Slide type radius windows, which are optional, may be used as emergency exits.) Establish a gathering place outside and at a safe distance from the unit. Telephone the fire department. DO NOT RE-ENTER THE UNIT.

CAUTION: DO NOT attempt to extinguish an electrical fire with water; a fatal electrical shock may occur. DO NOT attempt to extinguish a grease fire with water; the flame may spread to the counter top and cabinets.

LOADING

GENERAL — Distribute your cargo load equally from side-to-side. Store heavy items over the rear axle, close to or on the floor. Lighter items may be stored in overhead cabinets. Lash down items which are too bulky to store in cabinets, closets or drawers.

BASIC PROCEDURE — We strongly recommend that you determine whether your unit is loaded properly. To do this, you should weigh your unit complete with driver, passengers, water, LP Gas and cargo at a local grain elevator, stone and gravel dealer, or other commercial weighing station.

NOTE: *Because unit levelness has an effect on actual weights, the scale approach and exit ramps should be level.*

DETERMINATION OF ACTUAL WEIGHTS

STEP 1 Front Gross Axle Weight (Front GAW) — Drive your unit's front axle onto the scale platform and take a reading.

STEP 2 Gross Vehicle Weight (GVW) — Position both axles on the platform and take a reading.

STEP 3 Rear Gross Axle Weight (Rear GAW) — Drive your unit's front axle off the platform and take a reading.

STEP 4 Compare the Front GAW, Rear GAW and GVW readings with the ratings displayed on the Federal Sticker. Depending on chassis model, it may be found either on the inside of the driver's door or the left end of the instrument panel.

The Front GAW must never exceed the **FRONT GROSS AXLE WEIGHT RATING**. THE REAR GAW MUST NEVER EXCEED THE REAR GROSS AXLE WEIGHT RATING. The GVW must never exceed the **GROSS VEHICLE WEIGHT RATING (GVWR)**.

DETAILED PROCEDURE — If so desired, you may predict your unit's approximate **TOTAL LOADED AXLE** weights by performing the following procedure.

STEP 1 Divide the Wheelbase, as shown in the **SPECIFICATIONS** section, by 10. This establishes 10 loading zones forward of the rear axle.

Using the same zone size, establish zones behind the rear axle.

STEP 2 Write the weight of additional items in the zone of **FIGURE 2A** where each will be located. If the item covers more than one area, enter the entire value in the zone where the most weight is located. See **FIGURE 2B** for list of additional items.

WEIGHT COMPUTATION FIGURES 2A & 2B
SEE PAGE 6

Write the approximate weight of supplies and equipment in the zone of **FIGURE 2A** where each will be located. Here again enter the entire value in the zone where the most weight is located. See the **SUPPLIES & EQUIPMENT LIST** for the approximate weight of various items.

SUPPLIES & EQUIPMENT LIST PAGES 3-5

STEP 3 — Total the weights of all zones and write in each figure in corresponding box.

STEP 4 — Multiply each zone weight by indicated percentages and write in each figure in corresponding box.

STEP 5 — List your unit's **REAR AXLE WT.** and **FRONT AXLE WT.** in boxes A and B respectively. See *current advertising brochure for DRY WEIGHT — STANDARD, NO OPTIONS.*

STEP 6 — Total the **REAR AXLE** and **FRONT AXLE** columns of **STEPS 4 & 5**. Write each figure in appropriate box. Be sure to deduct the negative percentage (—%) weights from the **FRONT AXLE WEIGHT** total.

STEP 7 — Write in the **Rear GAWR** in Box 7A and the **Front GAWR** in Box 7B.

The **Total Loaded Rear Axle Weight (Step 6A)** must be less than the value in Box 7A. The **Total Loaded Front Axle Weight (Step 6B)** must be less than the value in Box 7B.

STEP 8 — Add **REAR & FRONT AXLE WEIGHTS (Step 7A + 7B)**. This value must never exceed the **GROSS VEHICLE WEIGHT RATING (GVWR)**.

SUPPLIES & EQUIPMENT LIST

ITEM	APPROX. WEIGHT	
	LBS.	KG
Air Mattress	5	2.265
Aluminum Camp Cot	7	3.171
Aluminum Camp Cot w/Mattress	22	9.966
Army Cot	15	6.795
Auto Hand Vacuum	5	2.265
Ax	3-6	1.359-2.718
Battery	37-50	16.761-22.650
Battery Box (for boat)	3	1.359
Battery Charger	10	4.530
Bicycle	45	20.385
Binoculars	1½-5	.679-2.265
Booster Air Shocks	14	6.432
Broom	2	.906
Bucket/Wastebasket	2	.906
Camera	3	1.359
Camera Outfit, Polaroid	7	3.171
Camp Folding Stool	1	.453
Camp Folding Table	16	7.248
Camp Stove	18	8.154
Camper Fan	4	1.812
Camper Fold-away Steps	18-19	8.159-8.607
Camper Generator, 1100 Watt	70	31.710
Camper Stabilizer	8	3.624
Camper Sundeck & Ladder	19	8.607
Canopy	18	8.159
Canteen (2-quart)	1	.453
Catalytic Heater	8	3.624
Chain Saw & Case	18	8.159
Charcoal	10	4.530
Charcoal Fluid Igniter	1	.453
Chess/Checkers/Games	1	.453
Clothes Line (50 foot)	1½	.679
Clothes Pins (package)	½	.226
Compass	¼	.113
Double Bass Drum Set (15 pc.) with cases	110	49.830
Electric Cable (100 feet)	10	4.530
Electric Fan 12"	10	4.530
Envelopes/Stars	¼	.113
Extension Rear Bumper	123	55.719
Extinguisher	5-17	2.265-7.701
Film, 4 rolls	1	.453
First Aid Kit	3	1.359
Flag/Reflector Kit	7	3.171
Flare	½	.226
Flashlight	1	.453
Floor Mats	11	4.983

CONTINUED NEXT PAGE

Front Tire Carrier	7	3.171
Funnels (water, fuel)	½	.226
Gas Lantern	6	2.718
Gas Stove (2 burner)	11	4.983
Gasoline Emergency Can (5 gal.)	11	4.983
Grease Gun and Grease	14-15	6.432-6.795
Ground Cloth	1	.453
Guide Book	2	.906
Hammer	1-2	.453-.906
Hand Saw	2-3	.906-1.359
Hand Spotlight	2	.906
Hatchet	2-3	.906-1.359
Hiking Pack	3	1.359
Insect Fogger	7	3.171
Inverter, 12-volt	13	5.889
Iron	2½-4	1.132-1.812
Laundry Bag	1	.453
Level	1	.453
Maps (8)	1	.453
Mess Kit (aluminum)	2	.906
Mosquito Repellent (can)	1½	.679
Movie Camera (8 mm)	4-8	1.812-3.624
Oil Paints	5-11	2.265-4.983
Easel	6	2.718
Padlock & Chain	1	.453
Picnic Blanket	3	1.359
Playing Cards (2 decks)	½	.226
Portable Toilet	20-30	9.060-13.590
Power Intercom	4	1.812
Propane (20-gal. bottle)	45	20.385
Propane Cylinders (disposable)	2	.906
Radio, 2-way, 6-watt	7-8	3.171-3.624
Radio, portable	6-16	2.718-7.248
Refrigerator	100	45.300
Rope (100 ft., ¾")	14	5.342
Roof Top Camper Air Conditioner	150	67.950
Sewer & Water Hook-up Kit	10	4.530
Sewing Machine	20-50	9.060-22.650
Shovel	4-5	1.812-2.265
Shovel (folding)	3	1.359
Spare Oil (10-qt. can)	20	9.060
Stake Pocket Camper Hold-Downs (2)	9	4.077
Stereo Tape Player	10	4.530
Swing-Out Spare Tire Carrier	17	7.701
Tape Recorder	4-20	1.812-9.060
Tarp (10' x 12')	20	9.060
Television, Battery-Powered	10	4.530
Television, Portable B/W	20	9.060
Television, Portable Color	61-76	27.633-34.428
Tent, pup	12	5.436
Tent, large	70-80	31.710-36.240
Tire Chain Kit	3	1.359
Tire Gauge	½	.226
Tire Iron	4	1.812
Tire Repair Kit	¼	.113
Thermos (1 qt. steel)	3½	1.585
Thermos (2 qt. plastic)	5	2.265
Tool Kit (65 piece mechanic)	15-21	6.795-9.513
Trailer, Cycle	225	101.925
Trailer, Tent	425-832	192.525-376.896
Trailer, Utility ¼ ton	195	88.335
Travel Information	¼	.113
Truck Washing Brush	3	1.359
Tune-up Kit	20	9.060
Two-Suiter Case	11	4.983
Typewriter	11-24	4.983-10.872
Umbrella	2	.906
Vacuum	10-36	4.530-16.308
Water Heater	68	30.804
Water Purification Tablets	¼	.113
Water/Tire Pump	6	2.718
Week-end Case	7	3.171
Writing Pad	¼	.113

CLOTHING

ITEM	APPROX. WEIGHT	
	LBS.	KG
Blouse, Shirt	1½	.679
Coat, lined	4	1.812
Culotte	¾	.339
Dress, Skirt	¾	.339
Jacket, lined	2½	1.132
Jeans, Slacks	1-2	.453-.906
Pajamas	1	.453
Raincoat	3-4	1.359-1.812
Shoes	1-3	.453-1.359
Shorts	½-¾	.453-1.359
Sunglasses	¼	.113
Sweater	1	.453
Swimsuit & Pullover	1½	.679
Windbreaker	¾	1.359

SPORT ITEMS

ITEM	APPROX. WEIGHT	
	LBS.	KG
Anchor (boats up to 14 ft.)	10	4.530
Semi-V Aluminum Boat	118-257	53.454-116.421
Boat Trailer	135-240	61.155-108.720
Canoe (aluminum)	65-75	29.445-33.975
Fishing Boat (fiberglass)	125	55.625
Fishing Kit with light tackle box	6	2.718
Fishing Motor (electric)	9-23	4.077-10.419
Jon Boats (10-16 ft. aluminum)	62-250	28.086-113.250
Outboard Motors up to 5½ hp	42-54	19.026-24.462
Remote Gas Tank (for boat)	5	2.265
Rubber Boat (8 persons)	85	38.505
Rubber Boat (2 persons)	15	6.795
Safety Vest (adult)	3	1.359
Safety Vest (child)	2	.906
Tackle Box (large)	8	3.624
Oars	10	4.530
Cartridges (20)	2	.906
Duck Decoys	9	4.077
Gun Case	2	.906
Gun Cleaning Kit	3	1.359
Hunting Bow	4	1.812
Arrows (6)	1	.453
Hunting Knife	½-1	.226-.453
Rifle (30.06)	7-12	3.171-5.436
Scope	1	.453
Shotgun	9	4.077
Shotgun Shells (5)	1	.453
Golf Bag	6-13	2.718-5.889
Golf Cart	16	7.248
Golf Irons (8)	11	4.983
Golf Set (child's)	11	4.983
Golf Woods (4)	7	3.171
Bat/Ball/Glove	6	2.718
Boots	3-5	1.359-2.265
Mini-Bike	84-170	38.052-77.010
Scuba Gear (with tank)	71	32.163
Skates	3-4	2.718-1.812
Snow Skis, Bindings, Boots & Poles	23-27	10.419-12.231
Water Skis	15-16	6.795-7.248
Tennis Racket with Cover, Press, Balls	3	1.359
Pool Table (8-ft.)	306	138.618

CONTINUED NEXT PAGE

BASIC KITCHEN ITEMS

ITEM	APPROX. WEIGHT	
	LBS.	KG
Abrasive Pads (package)	¼	.113
Bags, Disposable (package)	1½	.679
Basin/Rack (plastic)	2	.906
Bottle Opener	¼	.113
Can Opener (crank)	1	.453
Coffee Pot	1-3	.453-1.359
Cookbook	3	1.359
Cookware Set (8-piece aluminum)	11	4.983
Cookware Set (8-piece stainless steel)	15	6.795
Cooler (48-quart)	15	6.795
Cups, Disposable (40)	¾	.339
Cutting Board	1½	.679
Dinnerware (45-pc. plastic)	16	7.248
Dish Cloth (12" x 12")	¼	.057
Dish Towel	¼	.113
Dishes (53-piece for 8)	40-60	18.120-27.180
Foil (cooking)	¼	.226
Fry Pan (skillet-15")	13	5.889
Glasses (8 plastic)	1¾	.792
Juice Container (plastic)	½	.226
Knives (kitchen)	1¼	.566
Matches (carton)	½	.226
Mixer (portable)	3-5	1.359-2.265
Oven-Broiler	10-18	4.530-8.154
Plate Scraper	¼	.113
Plates (40 disposable)	½	.226
Pots & Pans (10 pieces)	14	6.342
Pot Holders	¼	.057
Soap/Detergent (box)	1	.453
Spatula/Pancake Turner	½	.226
Sponge	¼	.113
Stirring Spoon	¼	.113
Table Covering (plastic)	½	.226
Tableware (50 pc. stainless)	7	3.171
Thermos (1 gallon aluminum)	4	1.812
Toaster	1-9	.453-4.077
Tongs	½	.226
Toweling, Paper (per roll)	¾	.339
Trash Caddy	2	.906

BASIC OUTFIT FOOD AND BEVERAGE CHECKLIST

ITEM	APPROX. WEIGHT	
	LBS.	KG
Apple (large)	½	.226
Bacon/Sausage	1	.453
Baking Soda (box)	1	.453
Banana (large)	½	.226
Beverage (can)	1	.453
Bread	1	.453
Breakfast Cereal (box)	½	.226
Butter/Margarine (carton)	1	.453
Catsup (bottle)	1¼	.566
Chili (can)	1¼	.566
Cocoa	1¼	.566
Coffee (1 lb.)	1	.453
Cookies (package)	1	.453
Cooking Oil (quart)	1½	.679
Corned Beef Ham (can)	1¼	.566
Crackers	1	.453
Egg (fresh or hardboiled)	⅞	.057
Flour/Pancake Mix (box)	1	.453
Fruit (1 lb. can)	1¼	.566
Fruit Juice (can)	1	.453
Jelly/Jam	1¼	.566
Macaroni/Spaghetti (can)	1¼	.566
Milk (dried)	1¼	.566
Milk (pint, carton)	1	.453
Mustard (bottle)	1¼	.566

Napkins (package)	¼	.113
Olives (jar)	1	.566
Orange (fresh, large)	½	.226
Peanut Butter	1¼	.566
Pickles (jar)	1	.453
Pork & Beans (lb. can)	1¼	.566
Potatoes/Rice	4	1.812
Poultry/Meat/Fish	4	1.812
Salad Dressing	1¼	.566
Salt & Pepper (container)	½	.226
Soup (can, condensed)	¾	.339
Spam (can)	1	.453
Spices (assortment)	1	.453
Stew (can)	1¼	.566
Sugar (box)	1	.453
Syrup	1	.453
Tea (box of bags)	¼	.113
Vegetables (lb. can)	1¼	.566
Vegetables (fresh)	1½	.679
Water (per gallon)	8.0	3.624

BATHROOM SUPPLIES

ITEM	APPROX. WEIGHT	
	LBS.	KG
Bath Cap	¼	.113
Bath Towel (22" x 24")	¾	.339
Chemicals (Toilet)	1	.453
Cosmetic Case	5	2.265
Facial Tissue (box)	¾	.339
Hand Mirror	1	.453
Hand Soap (bar)	¼	.113
Hand Towel (16" x 25")	½	.226
Shampoo (tube)	¼	.113
Shaving Cream (can)	1	.453
Shaving Kit	2	.906
Sponge	¼	.113
Suntan Oil	¼	.113
Toilet Paper (roll)	½	.226
Toothbrush Holder	¼	.113
Toothbrush & Toothpaste (tube)	¾	.283
Wash Cloth (12" x 12")	¼	.057

BEDDING

ITEM	APPROX. WEIGHT	
	LBS.	KG
Blanket (twin)	2-5	.906-2.265
Pillow	1-2	.453-.906
Pillowcase	½	.226
Sheet, disposable	⅝	.283
Sheet, twin	1-2	.453-.906
Sleeping Bag (cold weather)	13	5.889
Sleeping Bag (double)	16	7.248

A line drawing of a rectangular object with a complex top edge. The top edge features a notch on the left side and a circular feature on the right side. A small square is located at the bottom right corner. The drawing is oriented vertically.

Figure 1 is a schematic diagram of a 10F system. It features a vertical axis with labels 1F, 2F, 3F, 4F, 5F, 6F, 7F, 8F, 9F, and 10F. A horizontal line is drawn at the 1F level. Below this line, there are two rows of labels: 'STEP 1 ZONES' with labels 5R, 4R, 3R, 2R, 1R, and 'STEP 2 ADDITIONAL WEIGHT' with labels 5R, 4R, 3R, 2R, 1R. The diagram illustrates the relationship between the vertical zones and the horizontal steps.

[illegible]

	LBS.	KG.
Automotive Air Conditioner	125	57
Roof Air Conditioner		
12,000 BTU	127	58
13,500 BTU	133	60
Generator	195	88
TV Antenna	9	4
Spare Tire, Wheel, Carrier & Cover	82	37
Luggage Rack & Ladder	22	10
Water	8.3	1.0
	Per Gal	Per Liter

[illegible]

DESCRIPTION & OPERATION OF AUTOMOTIVE SYSTEMS

(STANDARD & OPTIONAL)

INSTRUMENT PANEL & STEERING COLUMN CONTROLS — The instrument panel (*Instruments, controls, warning and indicator lights*) and steering column controls (*Pedals, gear selector, turn signal indicator and ignition switch*) function like those used in most cars. See the chassis manufacturer's manual for further details.

AUTO AIR CONDITIONER (OPTIONAL) — Move air control to desired fan speed. Move temperature control knob to coldest position for maximum cooling in stop-and-go traffic. Once the temperature inside the cab becomes comfortable, the temperature control knob should be moved from its coldest position. This will prevent the cooling coil from freezing.

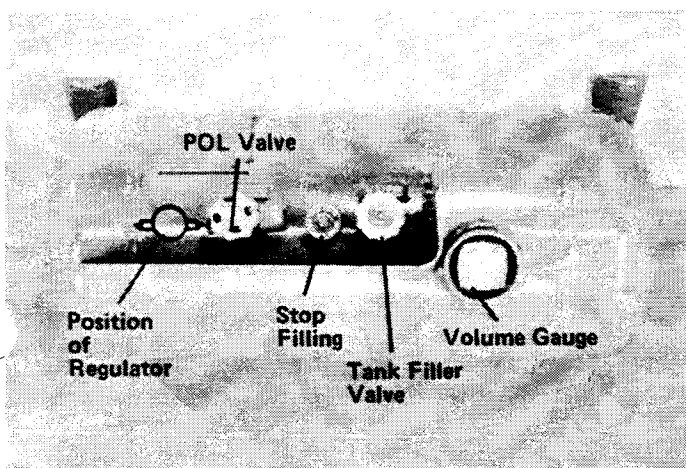
DESCRIPTION & OPERATION OF RV SYSTEMS

(STANDARD & OPTIONAL)

LPG SYSTEM — The Liquefied Petroleum Gas (LPG) System provides fuel for the operation of the furnace, water heater, refrigerator, oven and range. Fuel may be purchased from any LPG dealer. He will provide a mixture of propane and butane fuels, which will be suitable for operation in his location. If you intend to travel to an area which experiences different weather conditions, or is located at a different elevation, ask your LPG dealer for his recommendations. The appliances will not function if the LPG does not vaporize. Butane will not vaporize below 32°F and propane below -44°F.

FILLING LPG TANK — Extinguish the furnace, water heater, refrigerator, and oven pilot lights (*See APPLIANCE & ACCESSORIES section for further instructions*). Turn off range burners. Close POL valve (FIG. 3).

Fig. 3



Remove the cap from the tank filler valve. Connect the dealer's hose to the tank filler valve. When the tank is full, liquid will appear at the stop filling valve.

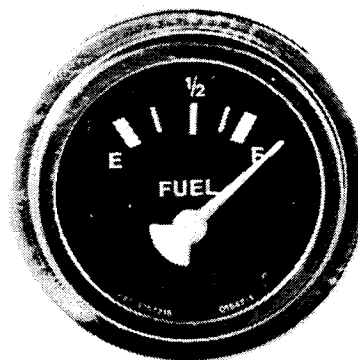
CAUTION: DO NOT smoke, strike a match or ignite a lighter when refilling LPG tank. LPG fumes will leak from the hose nozzle and tank fill connection. A spark or flame may ignite the fumes.

Because there is always some leakage of LPG when filling the tank, we recommend that you drive at least a mile away from the gas dealer before you relight the pilot lights and stove. LPG is odorless but an additive gives it a distinctive garlic odor. If this scent is present 30 minutes after you drive away from the gas dealer, do not relight the appliances. Open the windows, air vents and doors. If after an additional 30 minutes the scent has not dissipated, follow the instructions contained in the CARE & MAINTENANCE section, GAS LINE CHECK.

USING LPG SYSTEM — Open the POL valve (FIG. 3). Observe the volume gauge daily.

Remote LPG Gauge (Optional) — Depending on the chassis manufacturer, it will be found on either the far right side of the instrument panel or directly under the speedometer (FIG. 4). By turning the ignition switch to the "On" position, you may check the level of LPG in your unit's tank.

Fig. 4



NOTE: Some states prohibit vehicles that are equipped with LPG tanks from using tunnels. A few other states prohibit traveling with the POL valve open and the pilot lights lit. These regulations are based on the premise that a gas line could be ruptured in a highway accident, which may cause a further hazard through fire and/or explosion. Check the regulations of each state through which you intend to travel.

ELECTRICAL SYSTEM — Electricity for operation of appliances, lights and other equipment is supplied through either the 110-Volt Alternating Current (VAC) shoreline connection or 12-Volt Direct Current RV battery (FIG. 5). If your unit is equipped with the optional generator, it too will provide electrical power for operation away from a shoreline source.

GENERATOR (Optional) — This device will permit you to operate your unit's 110-VAC electrical system away from a shoreline source. See the **APPLIANCE & ACCESSORIES** section for generator operating instructions.

WATER SYSTEM — Water may be obtained from either the unit's water tank or city water source.

WATER TANK — Open the water fill spout (FIG. 10). Pour in water. Water will flow out of the fill spout's overflow port. Close and secure the spout. -

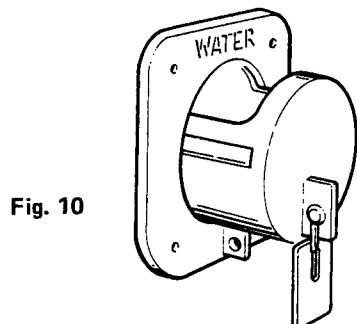


Fig. 10

Flip water pump switch to "On" position and turn on the hot water faucets. Close faucets when water flows out them. Turn off the pump. *Note: The water pump switch is located on the wall above the kitchen counter.*

To draw water from tank, flip water pump switch to "On" position.

CITY WATER — Connect a water hose to a pressurized water faucet and the city water fixture (FIG. 11). When using the city water hookup, the water tank and pump are bypassed. You cannot fill the water tank through the city water fixture.

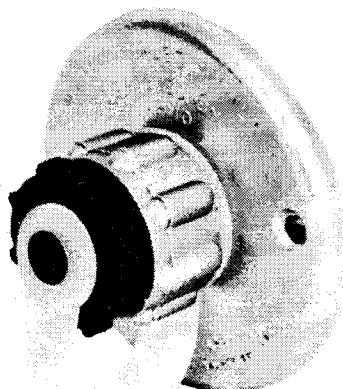


Fig. 11

WARNING: In areas where city water pressure exceeds 60 lbs., you should use a pressure regulator. Excessive water pressure may damage water lines and connections.

DRAWING WATER FROM TANK — When you want water from the tank, flip the pump switch to the "On" position and open faucet. The pump has a built in pressure switch. It will operate for a few minutes, when the switch is first turned on. The pump will shut off automatically when the pressure reaches a preset level. The pump will start again when the pressure drops below the preset level.

GRAY WATER & TOILET SEWAGE SYSTEMS

GRAY WATER — Sink and shower gray (WASTE) water flows through the drainage system and is drained through the termination valve.

Set Up — If gray water is drained from the same outlet as the holding tank, be sure the tank's dump valve is closed and locked.

Remove valve cap from drain outlet (FIG. 12 A or B). Connect sewer hose to outlet and the campground's septic sewage system. If a septic system is not available, place a bucket under the outlet. **DO NOT** drain gray water on the ground. Besides spoiling the natural beauty of the countryside, you may be breaking a local or state ordinance.

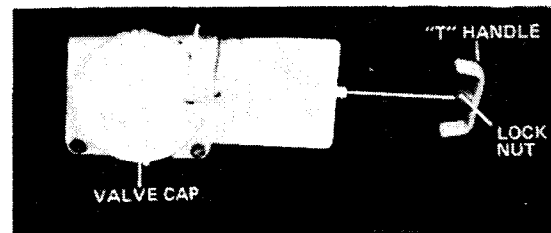


Fig. 12A

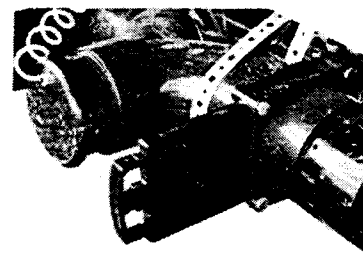


Fig. 12B

Gray Water Holding Tank (Optional) — If your unit is equipped with this holding tank, you will be able to park in an area which has no septic service for several days. We recommend that its contents be emptied into a septic sewage system as soon as possible after you resume traveling. Follow the toilet holding tank drainage instructions.

TOILET SEWAGE — The toilet drains directly into the holding tank. Follow Toilet Preparation instructions contained in the **APPLIANCES & ACCESSORIES** section. We recommend that the holding tank contents be emptied at a holding tank dumping station as soon as possible after you resume traveling.

HOLDING TANK DRAINAGE — Place drainage bucket under the dump valve outlet and remove drain cap (FIG. 12A or B). Connect sewer hose to outlet and insert other end into the station's sewage receptacle.

Depending on the type of dump valve used with your unit — either unfasten the dump valve lock nut and pull out the "T" handle (FIG. 12A), or pull out the dump valve handle (FIG. 12B).

Close the valve after the tank has drained. Flush about 2 gallons of water through the toilet into the holding tank. Drain the tank again.

Close and lock the dump valve handle — either tighten the nut (FIG. 12A), or make sure handle is completely pushed into the valve seats (FIG. 12B).

Remove hose; wash and store it in the rear bumper hose holder (FIG. 13). Prepare the toilet for use as described in the APPLIANCES & ACCESSORIES section.

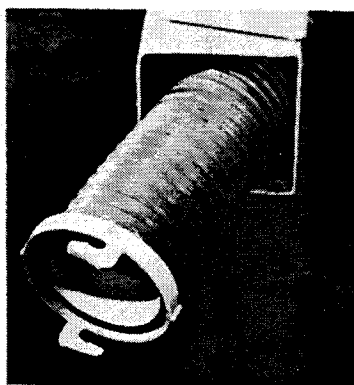


Fig. 13

APPLIANCES & ACCESSORIES

FORCED AIR FURNACE

LIGHTING — Open the POL valve (FIG. 3). Close the furnace LPG valve (FIG. 14). Set the thermostat's temperature control lever at its lowest temperature. Wait 5 minutes to allow any LPG, which may have accumulated inside the furnace, to dissipate.

Open the furnace LPG valve (FIG. 14). Set the thermostat at desired temperature. If the burner does not ignite within 15 seconds, reset the lever to its "Off" position. Wait another 15 seconds, then reset the thermostat to the desired temperature.

If the furnace burner does not ignite after the third attempt, close the furnace LPG valve and set the thermostat at its lowest temperature. Read the furnace manufacturer's manual for further instructions.

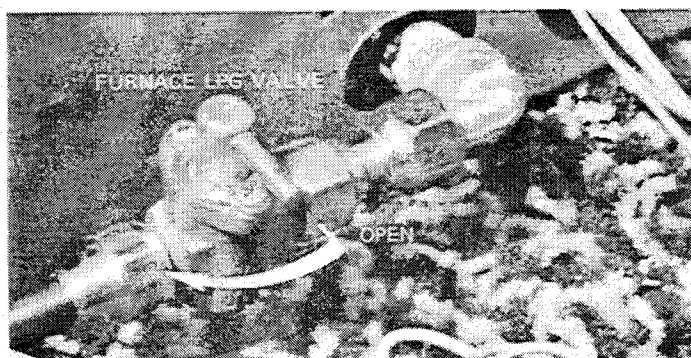


Fig. 14

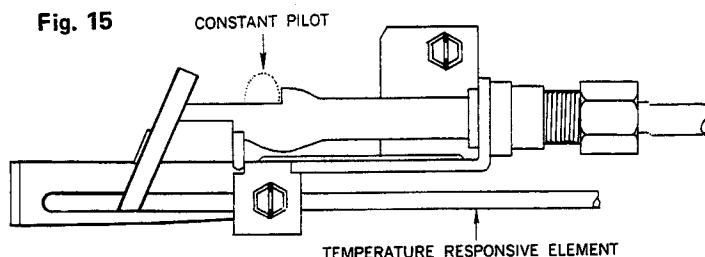
EXTINGUISHING — Set the thermostat lever at its "Off" position. Close the furnace LPG valve.

RANGE & OVEN

LIGHTING OVEN PILOT — Open the POL valve (FIG. 3). Turn the oven temperature control knob from "Pilot Off" to "Off." Strike a match and light the pilot. You will find the pilot to the rear of the oven compartment, just below the main burner (FIG. 15). Relight the pilot if air in the LPG line blows it out. To use the oven, turn the knob to desired temperature.

LIGHTING RANGE BURNER — Open the POL valve. Strike match; turn on burner and light. A blowing noise,

Fig. 15



which will occur when burner is first lit, will subside once air has escaped from the LPG line.

CAUTION: A window or roof vent must be open when using range burners or oven. DO NOT use range and/or oven to heat the interior of your unit. Failure to heed these cautions may result in asphyxiation.

WATER HEATER

LIGHTING PILOT — Turn on POL valve (FIG. 3). Turn the gas control dial to "Off" position (FIG. 16A or B). Wait at least 5 minutes to allow LPG, which may have collected in the burner compartment, to dissipate. Turn gas control dial to "Pilot" position. Perform procedure which applies to the type of thermostat used in your unit's water heater. (UNITROL or ITT).

Unitrol Thermostat — Press and hold reset button (FIG. 16A). Light pilot burner (FIG. 17). Release button after 1 minute. Repeat procedure if pilot goes out. See LIGHTING PILOT CONT. for further instructions.

ITT Thermostat — Turn gas control dial past the "Pilot" position and hold it against its internal stop

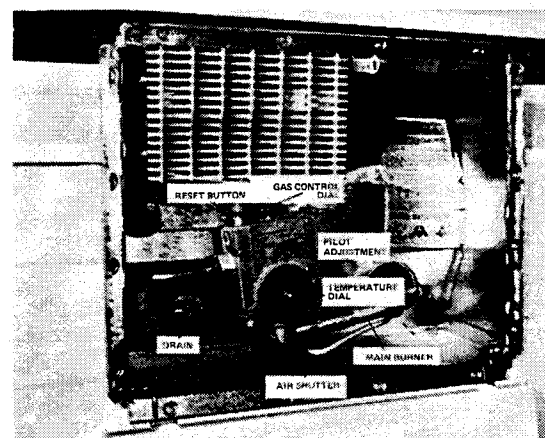


Fig. 16A

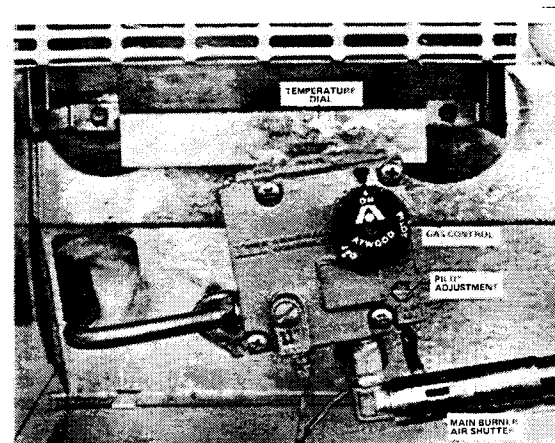


Fig. 16B

(FIG. 16B). Light the pilot burner (FIG. 17). Release control dial after 1 minute. Repeat procedure if pilot goes out. See LIGHTING PILOT CONT. for further instructions.

LIGHTING PILOT CONT. — Turn gas control dial to "On" position. Adjust temperature dial to achieve desired water temperature.

PILOT ADJUSTMENT — Remove the pilot adjustment screw protective cap (FIG. 16A or B). Turn set screw to adjust flame so it is $\frac{1}{2}$ " high or has a yellow tip.

BURNER ADJUSTMENT — Loosen the set screw which holds the air shutter in place (FIG. 17). 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 the set screw.

EXTINGUISHING BURNER — Turn the gas control dial to "Off" position.

DRAINING — Open drain cock.

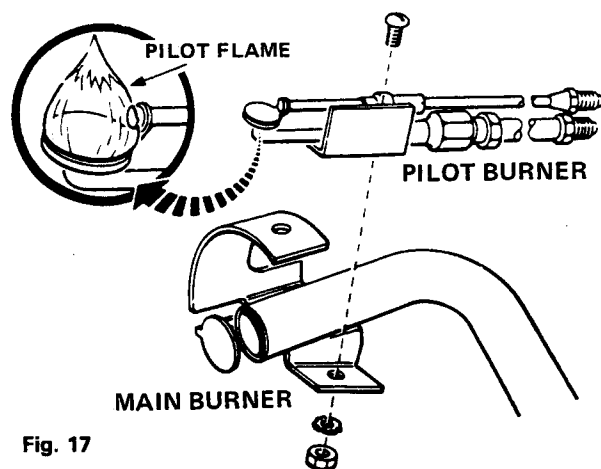


Fig. 17

ROOF AIR CONDITIONER (OPTIONAL)

NOTE: Your unit is wired for subsequent installation of roof air conditioner. If you did not originally order this optional item, you may do so from your Coachmen Dealer.

COOLING — Turn the selector control to desired fan speed within the "Cooling" function. Turn the temperature control to achieve desired coolness.

AIR RECIRCULATION — Turn the selector control to desired fan speed within the "Fan Only" function. Turn the temperature control fully counter clockwise.

DE-HUMIDIFIER — Turn the selector control to the minimum setting within the "Cooling" function. Turn the temperature control fully counter clockwise. When operating in this mode you may see water running off your unit's roof. Do not be alarmed for this is normal.

HEATING (OPTIONAL CHILL CHASER) — Turn the selector control to the "Heating" function. Turn the temperature control to achieve desired warmth.

GENERATOR (OPTIONAL)

PRE-OPERATION — Before each start up, open the generator compartment and check the oil level (FIG. 18). If required, add oil as directed by the generator manufacturer. Flip the circuit breaker switch, which is located in the generator compartment, to the "On" position.

CAUTION: When in operation, the engine powering your generator discharges deadly carbon monoxide as part of the exhaust gas. Carbon monoxide is particularly dangerous in that it is odorless, tasteless and colorless. Keep in mind that it can cause death if inhaled for even a short time.

When operating the generator, **DO NOT** open roof vents, windows, or doors which could draw fumes into the unit. **DO NOT** operate the generator where any object, such as a tree, bushes or building, may deflect exhaust fumes inside the unit. **DO NOT** operate the generator inside a building unless the exhaust gas is vented safely outside. **DO NOT** operate the generator where exhaust gas could accumulate and seep back inside an occupied building, tent or vehicle.

START UP — There are two start/stop switches which control the generator. One is located on the generator set and the other inside the unit (FIG. 19). Depress and hold down button until generator engine starts.

ELECTRICITY — Flip the circuit breaker switch to the "On" position (FIG. 7). This will automatically turn off the shoreline breaker.

GENERATOR HOUR METER (Optional) — This meter indicates the total running time of the generator. Depending on the chassis manufacturer, it will be found on either the far right side of the instrument panel or directly under the speedometer (FIG. 20).

SHUT DOWN — Whenever possible, before shutting off generator, allow engine to run a few minutes with no electrical load. This will allow the generator set to cool off. Depress the Start/stop switch until engine stops.

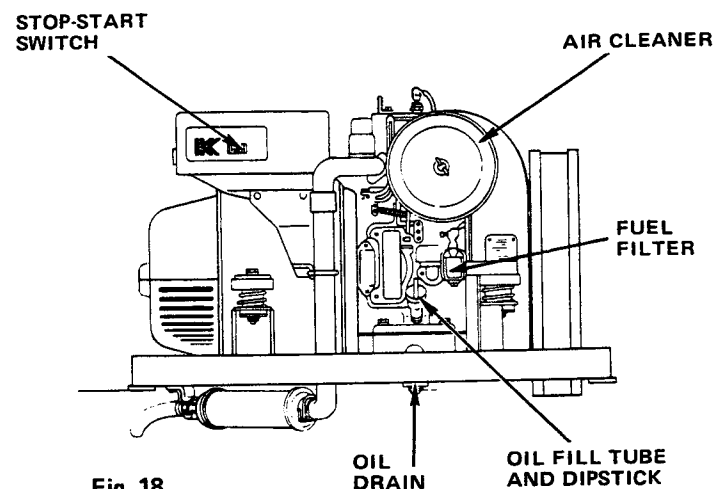


Fig. 18

RADIO OR RADIO TAPE (OPTIONAL) Other than provided by the chassis manufacturer.

The On/Off & Volume, Tone, Tuning, Stereo Balance, and Push Button Station Selector are controls which are located in the same position and function in the same manner as those used in most car radios and tape decks.

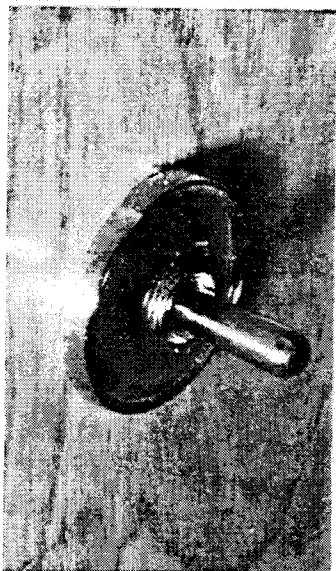


Fig. 19

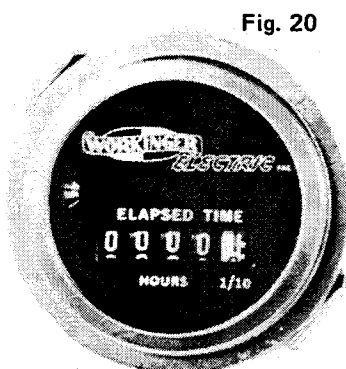


Fig. 20

TAPE PLAYER — Insert an 8-track tape cartridge into the slot. Select desired track by pressing the selection button. Never attempt to turn the tuning knob when the tape player is in use.

TV ANTENNA (OPTIONAL)

SET UP — Turn crank handle in "Up" direction until some resistance is felt (FIG. 21). Plug TV set's power cord into either 110 VAC or 12 VDC outlet. Attach connector cable to TV and the wall outlet. Turn on the power supply.

TUNING — Pull rotating knob down to disengage it from the ceiling plate. Turn the knob to achieve the best picture and sound.

TAKE DOWN — 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 in "Down" direction until some resistance is felt. Turn off the power supply.

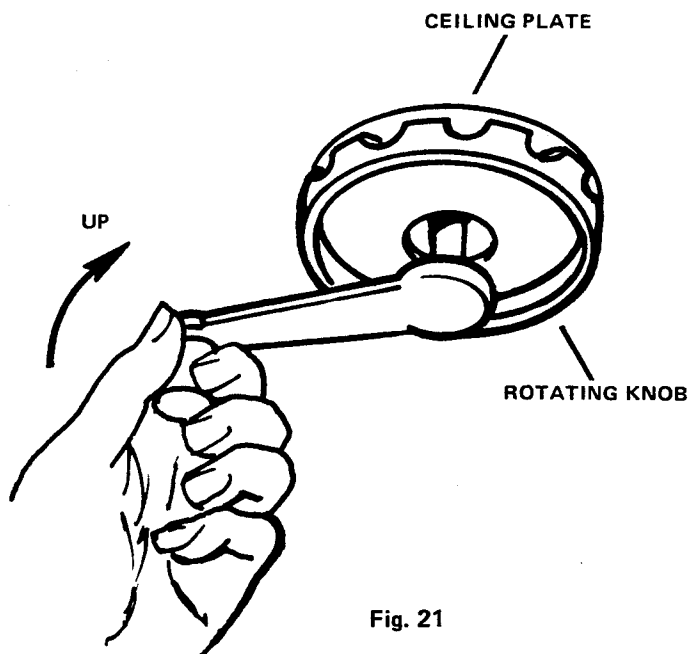


Fig. 21

TOILET

AQUA MAGIC III

Preparation — Before initial use and after emptying the holding tank, flush the toilet. After bowl has filled with water, pour in an 8 oz. bottle of AQUA KEM concentrate. Flush toilet again.

FLUSH — Turn the flush knob, located on top of the toilet, fully clockwise and hold until all contents have been swept into the holding tank. Release knob. Bowl will automatically refill with water for next use.

AQUA MAGIC

Preparation — before initial use and after emptying the holding tank, step on small pedal until there is about 8" of water in the bowl. Add one 8 oz. bottle of AQUA KEM concentrate and flush.

Flush — Step on large pedal until all contents have been swept into the holding tank. Step on the small pedal and add about an inch of water into bowl.

REFRIGERATOR

Your refrigerator may be operated in one of three modes: LPG, 110 VAC or 12 VDC.

LPG OPERATION — Turn the "Off/12V/Elec./Gas" Selector Dial to the "Off" position (FIG. 22). Pull out the selector dial and turn it to the "Gas" position. Turn the gas thermostat to setting #4. Pull out the valve and push in the lighter until a spark occurs. Due to air in the LPG line, it may be necessary to repeat this procedure until burner is lit. Hold out the valve for at least 30 seconds, then release. Watch the reflector and if the burner should extinguish repeat this procedure.

NOTE: Your unit must be level in order for the refrigerator to operate properly.

ELECTRIC OPERATION — Turn the "Off/12V/Elec./Gas" Selector Dial to the "Off" position. Push in the dial and turn it to either "Electric" (110 VAC) or "12V" (VDC). Turn the electric thermostat to setting #4.

HELPFUL HINTS — Always store food in sealable containers or suitable wrapping paper. Chill food in your home refrigerator before traveling.

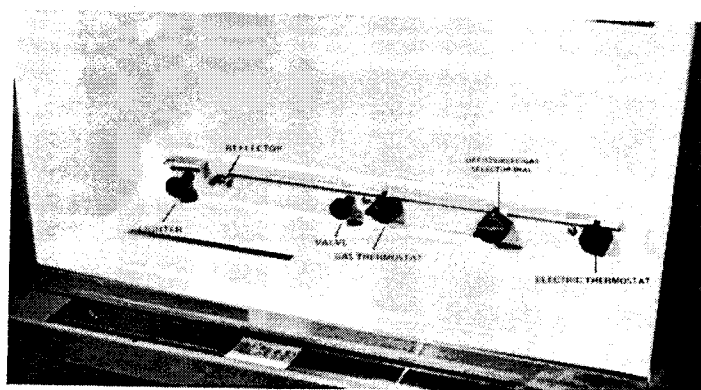


Fig. 22

SET UP

LEVELING — Using a carpenter's level, check levelness and take appropriate action. Place leveling ramp

(FIG. 1) under low wheel or dig a narrow hole under high wheel. The refrigerator will not operate properly if your unit is not level.

STEP — Pull the step out to its fullest extent. Rotate the lower step from its storage position, on top of the sliding portion of the assembly, down to its extended position.

DINETTE TABLE

PEDESTAL TYPE — Insert top of support leg into the bracket located under the bottom surface of the table. Insert leg into the floor base. You must remove table and leg before setting up dinette bed. Store the table behind the driver's seat. *MODEL 22' DD — Store the table in the cabinet next to the refrigerator.*

EXTENSION TYPE (MODEL 22' DD) — Unfasten travel latch and swing up table. Depress the support leg release lever and swing down leg so that it latches in an upright position. To extend table: pull release lever located under the table, and pull out table top; insert desired number of leaves; push table top together. Reverse procedure when storing table.

GAUCHO — Lift the front of the gauchio platform and slide it out. Reposition cushions on top of platform.

GAUCHO (MODEL 22' DD) — Store extension table. Pull out both left and right side gauchio platforms so they touch each other. Reposition cushions on top of both platforms.

REVERSIBLE DINETTE SEAT/BED

CHANGING SEAT DIRECTION — Pull out sliding arm rest (FIG. 23); pull out handle to position "B"; rotate seat/back rest so it faces in other direction; release handle; push in arm rest. Make sure the seat/back rest is locked in place. The front dinette seat must face forward if it is to be occupied while traveling.

ADJUSTING BACK REST — Pull out sliding arm rest (FIG. 23); pull out handle to position "A"; move back rest into desired position; release handle; push in arm rest.

SETTING UP BED — Pull out sliding arm rest (FIG. 23); pull out handle to position "B"; rotate seat/back rest so it faces in other direction; lower back rest; release handle; push in arm rest. Make sure the seat/back rest is locked in place.

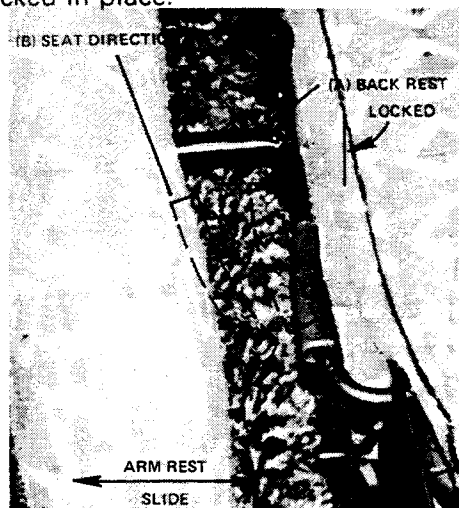


Fig. 23

FRONT OVERHEAD BUNK — Fold and unfold the center hinged platform as required. Access between the driver's cab and the living area may be facilitated by folding the platform out of the way.

CABINET HIDE-A-BED (OPTIONAL) 22' DD Models Only — Release the cabinet latches. One is located on each inside end of the cabinet. Close and latch cabinet doors. Swing cabinet face down so that it rests on supports. Position reinforcing boards on top of the cabinet face. Arrange cushions on top of platform.

PRE-TRAVELING CHECK

Whether you intend to pull away from your home, rest area, or camp site, we suggest that you perform the following pre-traveling checks.

TIRES — Check each tire for uneven or excessive tread wear, cuts, peeling or bulging. Change damaged tire as directed in the CARE & MAINTENANCE section.

Check tire pressure at least once each trip. This must be done before driving; air pressure will be 6 to 9 lbs. psi. greater due to heat generated by road friction.

WHEELS — During your initial trip and after changing each tire, tighten the wheel lugs every 50 miles for the first 200.

EXTERIOR LIGHTS — Test all running lights (Head, tail, stop, backup and clearance). Clean the head and tail light lenses.

MIRRORS — Adjust both outside rearview mirrors. We suggest that they be adjusted so that you may see both the right and left sides of the unit.

WINDSHIELD & WIPERS — Wash off the windshield and check the wiper blades. Refill the windshield washer reservoir.

TV ANTENNA — (Optional) The antenna must be cranked down to its traveling position.

SET UP EQUIPMENT & ACCESSORIES

NOTE: For further information on any of the following items, see appropriate section — SET UP, DESCRIPTION & OPERATION OF RV SYSTEMS, or APPLIANCE & ACCESSORIES.

110 VAC power cord must be unplugged from shoreline source. Power cord must be stored inside the unit and the cord hatch must be secured.

Garden hose must be disconnected from city water fixture and pressurized water faucet. The fixture cap must be closed and secured.

Holding tank dump valve(s) must be closed and locked. Septic hose must be removed from dump valve outlet and stored in its traveling position in the rear bumper. Dump valve cap(s) must be securely fastened to the dump valve outlet(s).

Exterior storage compartment door and equipment access doors must be closed and locked.

Turn off the LPG at the POL valve.

Door step must be returned to its traveling position. Simply lift front edge of step and push it under the unit.

Switch the refrigerator to 12 VDC (FIG. 24).

INTERIOR — All doors and drawers must be closed and secured. All loose objects must be lashed down or stored away.

CARE & MAINTENANCE

LPG SYSTEM

GAS LINE CHECK — Check the LPG line and connections on a regular basis. We recommend the following procedure after every 3rd refill.

Extinguish the hot water heater, refrigerator, furnace, and oven pilot light and turn off the range burners. Open all the windows and door to allow the gas to dissipate. Turn on the POL valve (FIG. 3). Apply soapy water solution to all the line connections (FIG. 24). Bubbles indicate position of leak. Tighten connections with two open end wrenches until bubbles stop. If garlic odor persists after all joints have been checked and tightened, contact your Coachmen Dealer.

NOTE: Coachmen technicians checked your unit's LPG System prior to shipment to your dealer. We recommend that you recheck it before your first trip. Leaks may develop while unit is in transit from our factory.

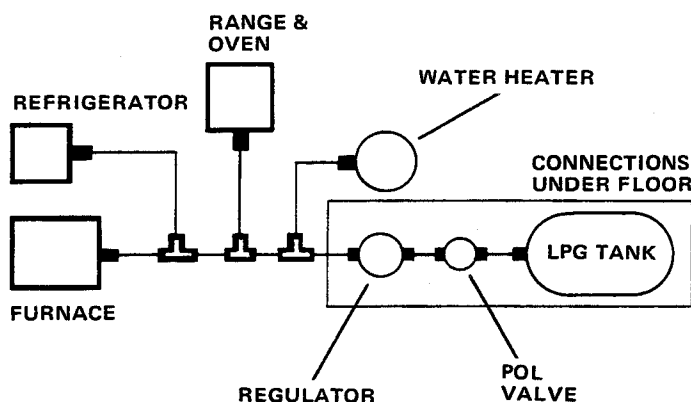


Fig. 24

REGULATOR PRESSURE — Check the LPG line pressure at the beginning of each camping season and at least every 3rd refill. Correct line pressure for LPG appliances is 11" water column. Your Coachmen Dealer is equipped to make the necessary appliance and regulator pressure checks.

LPG TANK UPKEEP — After each trip, inspect the LPG tank. Sand off all traces of rust. Apply rust preventative paint.

LPG APPLIANCES

FURNACE — Your unit's furnace does not require routine maintenance or cleaning. Soot, which may form on the inside of the combustion chamber, may be removed with a vacuum sweeper. Unfasten and remove the lighter hole cover.

RANGE & OVEN — Allow the range top to cool off, then clean it with dishsoap and hot water. The porcelain surfaces may craze with hairline cracks if you attempt to clean them with water while they are hot. Use a damp cloth to clean chrome surfaces. Grease spatters, which may bake into the surfaces, will be very difficult to remove. Use non abrasive cleanser to remove stains from porcelain surfaces. Use chrome polish to remove stubborn stains. Use a tooth pick, not wire, metal pick, or other metal tools, to clean clogged burner

orifices. Metal tools may distort the openings, which in turn will affect burner operation.

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

ELECTRICAL SYSTEM

OPTIONAL COACH BATTERY — Check the liquid level at least once a month. It must be above the plate surfaces. Add either distilled water or potable water. Keep terminals free of dirt and corrosion. Use a hydrometer to check battery charge. When the specific gravity is below 1.225 recharge the battery until 1.260 is indicated.

WARNING: If either the optional coach or automotive batteries must be "Quick Charged", turn off the electrical portion of the refrigerator.

AM/FM/MPX STEREO RADIO & 8 TRACK CARTRIDGE STEREO TAPE PLAYER — The tape player is equipped with an automatic head cleaner. Occasionally you will have to clean oxide off the tape playback head, capstan shaft and the automatic track selector. To activate the capstan, depress the switch located in and on the left side of the tape compartment.

WARNING: Use isopropyl alcohol to clean the tape playback head, capstan shaft and the automatic track selector. DO NOT use Carbon Tetrachloride.

ROOF AIR CONDITIONER — Remove and clean the filter at least once every two weeks if it is used extensively. Wash it with soap and water. Do not operate the air conditioner for extended periods of time without a filter.

GENERATOR — The following procedures, along with those procedures specified in the manufacturer's manual, should be completed in order to maintain your generator in top operating condition.

Daily or before each start up — Check oil level. Clean cooling air inlets and outlets. Remove loose dirt from generator compartment.

Every 50 hours or 6 months (whichever occurs first) — Change oil more frequently if operating under dirty, dusty conditions. Drain oil from crankcase. Use oil specified in the manufacturer's manual. Remove the air cleaning element and clean by tapping it against a flat surface.

After each 100 hours or 200 (if good clean operating conditions are encountered), drive your unit to an authorized service center for the manufacturer's recommended maintenance.

WATER & DRAIN SYSTEMS

SANITIZING WATER TANK — Sanitize your unit's water tank: before initial use; after a period of non-use; when the tank is suspected of being contaminated.

Open the water tank drain cock (FIG. 25). Close cock after the tank is empty. Mix 3 gallons of water with $\frac{3}{4}$ cup of Clorox or Purex household bleach. Pour solution into tank through the water fill spout (FIG. 10). Wait 3 hours. Drain and flush tank with fresh potable water. If chlorine taste lingers, pour 1 quart of vinegar and five gallons of water into the tank. Wait several days before draining tank. Flush tank with fresh potable water.

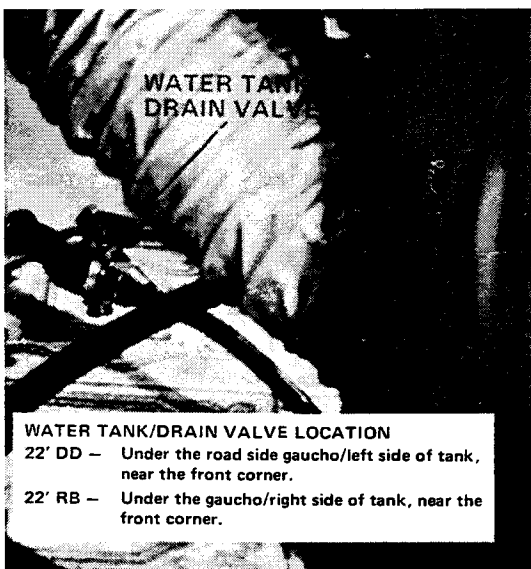


Fig. 25

WATER PUMP — The water pump does not require routine maintenance or cleaning. If it fails to start, check the fuse. It is located in an in-line fuse holder adjacent to the pump. If it continues to operate whether the faucet is opened or closed, the water tank is probably empty.

DRAIN PIPING — Use clear water to clean exterior pipe surfaces. DO NOT use harsh detergents or lacquer thinner. DO NOT pour harsh drain cleaner chemicals or solvents into the drains.

TOILET

AQUA MAGIC — Use Aqua Bowl Cleaner as directed. If the slide valve does not move freely, apply silicone spray.

INTERIOR

SINKS — Clean the kitchen and bathroom sinks with non-abrasive material. Stainless steel cleaner may be purchased at any grocery or hardware store. ABS cleanser, such as Aqua K-7, may be purchased from your Coachmen Dealer.

TABLE & COUNTER TOPS — Clean table and counter tops with warm water and liquid dishsoap.

WOODWORK — Clean woodwork with commercial household furniture polish. DO NOT use water to clean wooden surfaces. Scuffs may be covered with commercial furniture wax and stain mixture. Scratches may be covered with PUTTY STIC.

CUSHION COVERS — Vacuum covers regularly to remove soil and dust. To remove stains, follow the upholstery manufacturer's instructions as outlined in his brochure. DO NOT dry clean or machine wash.

CURTAINS — Remove curtains and take them to a reputable cleaner. Dry clean only, DO NOT machine or hand wash.

CARPETING — Vacuum the carpeting (if so equipped) as required. Use commercial carpeting shampoo as required.

VINYL FLOOR COVERING — Sweep and damp mop the vinyl floor covering regularly. Use a mild detergent and wax occasionally.

CLOSET, DRAWERS & STORAGE COMPARTMENT(S) — Remove clothes, linen, can goods and other food items. Clean wooden surfaces with commercial household furniture polish. Wash plastic drawers in

warm water and liquid dishsoap.

REFRIGERATOR — Remove food, water and ice after each trip. Clean the interior of the refrigerator with warm water and liquid dishsoap. Wipe dry. DO NOT use abrasive cleaning material because it will scratch the surfaces. If you do not intend to use your unit for an extended period, prop open the door. Musty odors may be further controlled by placing a small jar of coffee, without a lid, on the refrigerator's bottom cabinet shelf — close the refrigerator door.

To defrost the frozen food compartment — Remove frozen food and ice from the compartment. 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.

EXTERIOR

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

WARNING: To avoid marring the body surfaces: DO NOT use abrasive cleaning compound or cloth; DO NOT wipe surfaces with a dry cloth; DO NOT wash or wax the unit in the hot sun. Wait until the body surface has cooled before washing or waxing.

At least once each season, coat all roof seams, including roof edges and around vents, with top quality roofing cement. Coat awning rail and window seams with silicone.

Periodically inspect seams for damage and/or cracking and repair with either roofing cement (*roof seams*) or silicone (*awning rail and window seams*). If a leak develops, apply either roofing cement or silicone.

TIRE INSPECTION — Inspect the tires before each trip. Replace tire when its tread is worn to $\frac{1}{16}$ " depth in 2 or more adjacent grooves, or to the level of tread indicators which are molded into the bottom of tread grooves. Each morning, check tire air pressure and condition (Tread wear, bulges, fabric breaks, cuts, glass, stones and nails). Note that heat, which is generated by surface friction, will increase a tire's air pressure by approximately 6 to 9 lbs. psi; therefore, do not bleed air out of a hot tire. See the chassis manufacturer's manual for correct tire pressure.

When purchasing a new tire, be certain it is the same size and has the same ply rating or load range as the old tire. DO NOT mix radial ply with bias or biasbeltd tires.

CHANGING A TIRE & WHEEL ASSEMBLY

GENERAL — Turn off the engine, activate hazard warning flasher, and set the parking brake. Chock both front and back of tire opposite the one you intend to change. Set the jack on a firm base so that it will not shift.

CAUTION: Never get under your unit when using the jack. Never start or run the engine when the vehicle is on the jack.

FRONT TIRE — Raise the jack until it just touches the straight portion of the axle near the tire & wheel to be removed. Continue raising the jack and take some of the weight off the wheel. DO NOT raise the entire tire off the ground. Loosen the stud nuts with the wrench. Resume jacking until tire is free of ground. Remove stud nuts and wheel; put spare wheel in place. Replace the stud nuts and tighten them as much as possible with the tire off the ground. Lower the jack until tire just touches the ground. Tighten the studs in the sequence specified in the chassis manufacturer's manual. Lower and remove the jack.

REAR TIRE — Center the jack directly under the axle housing. Follow the procedure outlined in "changing" FRONT TIRE.

CAUTION: Before your initial trip and after each time you change a tire, tighten wheel lugs to the specified torque every 50 miles for the first 200.

Stop at the nearest service facility and have the torque checked after changing tire.

STORAGE

GENERAL — In addition to performing procedures outlined in this section, as well as CARE & MAINTENANCE, we suggest you store your unit inside a garage or other shelter.

WATER TANK — Turn on water pump. Open all water faucets. Open the tank drain cock (FIG. 25). Open the two water line drain valves (*located under the unit*). When the tank is empty, close all faucets and drain valves. See WINTERIZING section for potable water anti-freeze instructions.

WATER PUMP — After the water tank is empty, operate the electric water pump for about 2 minutes with the intake and discharge hoses disconnected from it. Operate the pump until all water is expelled. Reconnect the hoses.

TOILET

AQUA MAGIC III — Drain the toilet water supply line. Leave the water supply valve open. Turn the flush knob and insert a wad of rolled up newspaper into the bowl outlet. Release the knob slowly until the blade holds the wad in place. This will prevent any water residue from being trapped inside the bowl where it could freeze.

AQUA MAGIC — Drain the toilet water supply line. Leave the water supply valve open. Depress the large foot pedal and insert a coke bottle into the bowl outlet. Release the pedal slowly until the blade holds the bottle. This will prevent any water residue from being trapped inside the bowl where it could freeze.

GENERATOR — While the engine is hot, drain oil from the crankcase (FIG. 18). Flush crankcase with clean light weight oil. Refill crankcase with regular weight oil as specified in the generator manufacturer's manual.

Drain fuel from the filter sediment bowl and carburetor bowl (FIG. 18).

Remove the spark plug and pour about a tablespoon of oil into the hole. Crank the engine over several

times and reinstall the spark plug.

Clean the exterior surfaces of the generator set. Spread a light film of oil over the unpainted metallic surfaces which could corrode.

Place a dust cover over the generator set.

RV BATTERY — Remove RV battery and store in a warm, above freezing, dry place. Set battery on a block of wood.

CAUTION: *Hydrogen gas is produced through a chemical action — this is a normal trait of any storage battery. Hydrogen gas is toxic and extremely combustible when mixed with air. DO NOT store battery where it will be exposed to sparks or open flame, nor where children may touch it.*

ELECTRICAL — Unplug all electrical appliances and turn off all electrical circuit breakers.

We recommend that you check your unit periodically. We also recommend that you drive your unit occasionally during periods of storage.

WINTERIZING

WATER TANK ANTI-FREEZE — Open the water tank fill spout (FIG. 9). Pour in a combination of potable water and potable water anti-freeze. You may purchase this special anti-freeze from your Coachmen Dealer.

CAUTION: *DO NOT use automotive anti-freeze in the water tank, it is poisonous.*

DRAINS — Pour in about ½ cup of approved RV anti-freeze solution into all drains.

TOILET

AQUA MAGIC & AQUA MAGIC III — Follow the water tank anti-freeze instructions as outlined above.

APPLIANCE AND COMPONENT IDENTIFICATION SHEET

Should your unit or one of the appliances require warranty service, you will have to identify the manufacturer and present the model designator and serial number to your Coachmen Dealer. Fill in this sheet as soon as possible — it will help you meet our identification requirement.

EQUIPMENT	MANUFACTURER	MODEL DESIGNATOR	SERIAL NUMBER
Recreational Vehicle	<u>COACHMEN</u>	<u> </u>	<u> </u>
Chassis	<u> </u>	<u> </u>	<u> </u>
Furnace	<u> </u>	<u> </u>	<u> </u>
Range & Oven	<u> </u>	<u> </u>	<u> </u>
Converter	<u> </u>	<u> </u>	<u> </u>
Refrigerator	<u> </u>	<u> </u>	<u> </u>
Water Pump	<u> </u>	<u> </u>	<u> </u>
Toilet	<u> </u>	<u> </u>	<u> </u>
* Roof Air Conditioner	<u> </u>	<u> </u>	<u> </u>
* Auto Air Conditioner	<u> </u>	<u> </u>	<u> </u>
Ignition Key	<u> </u>	<u>NOT APPLICABLE</u>	<u> </u>
Door Key	<u> </u>	<u>NOT APPLICABLE</u>	<u> </u>
Other Keys	<u> </u>	<u>NOT APPLICABLE</u>	<u> </u>
* Generator	<u> </u>	<u> </u>	<u> </u>
* Radio	<u> </u>	<u> </u>	<u> </u>

NOTE: (*) indicates optional equipment.

TRAVEL RECORD

[illegible]

EMERGENCY CONTACTS

DOCTOR	NAME	_____	NAME	_____
	ADDRESS	_____	ADDRESS	_____
	PHONE	(AC) _____	PHONE	(AC) _____
RELATIVE	NAME	_____	NAME	_____
	ADDRESS	_____	ADDRESS	_____
	PHONE	(AC) _____	PHONE	(AC) _____
NEIGHBOR	NAME	_____	NAME	_____
	ADDRESS	_____	ADDRESS	_____
	PHONE	(AC) _____	PHONE	(AC) _____
FRIEND	NAME	_____	NAME	_____
	ADDRESS	_____	ADDRESS	_____
	PHONE	(AC) _____	PHONE	(AC) _____
POLICE	PHONE	(AC) _____	PHONE	(AC) _____
FIRE	PHONE	(AC) _____		
INSURANCE AGENT	NAME	_____	NAME	_____
	ADDRESS	_____	ADDRESS	_____
	PHONE	(AC) _____	PHONE	(AC) _____

SPECIFICATIONS	20' REAR GAUCHO (RG)			22' REAR BATH (RB)			22' DOUBLE DINETTE (DD)		
	Chevy CG31305	Dodge MBH 300	Ford	Chevy CG31603	Dodge MBH 300	Ford	Chevy CG31603	Dodge MBH 300	Ford
CHASSIS									
ENGINE SIZE (CU. IN.)	350	360	351	350	360	460	350	360	460
WHEEL BASE (IN/CM)	125" 318	127" 323	138" 351	145" 368	146" 371	158" 401	145" 368	146" 371	158" 401
*APPROXIMATE CAPACITY (LBS./KG.)	1110/502	1500/679	1770/801	1760/797	2650/1200	2450/1109	1820/824	2835/1284	2405/1089
DRY WEIGHT - STANDARD, NO OPTIONS REAR AXLE (LBS./KG.)	5190/2351	4990/2260	5520/2500	5350/2423	5075/2298	5585/2530	5380/2437	5120/2319	5520/2500
FRONT AXLE (LBS./KG.)	2600/1177	2510/1137	2710/1227	2830/1281	2590/1173	3010/1363	2860/1295	2730/1236	3030/1372
GROSS VEHICLE WEIGHT RATING (GVWR)	8900/4031	9000/4077	10,000/ 4530	10,000/ 4530	10,500/ 4756	11,000/ 4983	10,000/ 4530	10,500/ 4756	11,000/ 4983
EXTERIOR LENGTH (IN/CM)	20' - 3" 616	20' - 2" 614	20' - 11" 636	22' - 6" 685	22' - 2" 676	22' - 11" 699	22' - 6" 685	22' - 2" 676	22' - 11" 699
EXTERIOR HEIGHT (IN/CM)	All Models: 9' - 4"/284 With Roof Air Conditioner 9' - 11"/302								
TIRE SIZE & AIR PRESSURE (PSI)	All Models — see chassis manufacturer's manual.								
LPG TANK SIZE & LOCATION (LBS./KG.)	All Models: 62/28, located on curbside, in front of rear dual wheels & tires.								
WATER TANK SIZE & LOCATION (GAL./L)	35/132 Under Gaucho			35/132 Under Gaucho			35/132 Under Rear Dinette Seat		
WATER PUMP FUSE SIZE LOCATION	All Models: 6¼ Slo Blo — Depending on model the fuse will be found in either the converter or in an in-line fuse holder next to the pump.								
CIRCUIT BREAKER SIZES & LOCATION OF BOX	All Models: 20 Amp.; Located under Kitchen Sink								
GENERATOR OUTPUT & LOCATION	3 Kw./Rear Exterior			3 Kw./Right Rear Ext.			3 Kw./Right Rear Ext.		

LIGHT BULBS:

Interior 12 VDC (Except Dome Light

Inside Driver Compartment) #1141

Range Hood 25 Watts, 12 VDC

Turn, Tail & Stop #1157

Backup #1156

License Plate #67

Clearance #1895

Patio #93

NOTE: APPROXIMATE CAPACITY depends on many variables, such as added option weight, added weight of water and LPG and cargo, along with the distribution of these variables.

Leprechaun Owner's Manual

Serial No. _____



COACHMEN DRIVE
MIDDLEBURY, INDIANA 46540