CONGRATULATIONS!
ON THE PURCHASE OF YOUR NEW

BORN FREE

Motor Coach

You have chosen one of the best constructed Recreation Vehicles available in the market place today. Only the finest materials, accessories, and appliances have been used.

This Owner's Manual has been prepared to help you enjoy using your BORN FREE to its fullest extent by understanding all of its features. We suggest you read the manual all the way through now, and carry it in a convenient place in the Coach where you can refer to it again if any problems appear.

The manufacturers and suppliers of the truck chassis as well as those of the accessories and appliances used in the BORN FREE have also included literature and information about their products. It is recommended that you go over their material carefully as it too can be very helpful. The manufacturers have included warranty cards which need to be mailed promptly in order to properly register your purchase for warranty adjustments. The benefit of mailing the card to the individual supplier within 10 to 15 days from date of purchase will be that you will be assured of prompt service without question if your warranty is registered.

Following the simple maintenance suggestions outlined in this manual will insure years of comfortable living, while camping and seeing the North American Continent in your BORN FREE. Always consult your dealer when you have questions about repair, maintenance, and service. Your BORN FREE is built to go, and you will want to keep it that way.

See you on the road!!!!!
You are now BORN FREE!!!!!
Happy Traveling!!!!!

Sincerely yours,

BORN FREE DIV.,
DODGEN INDUSTRIES, INC.

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CENTER KITCHEN & V.I.P.

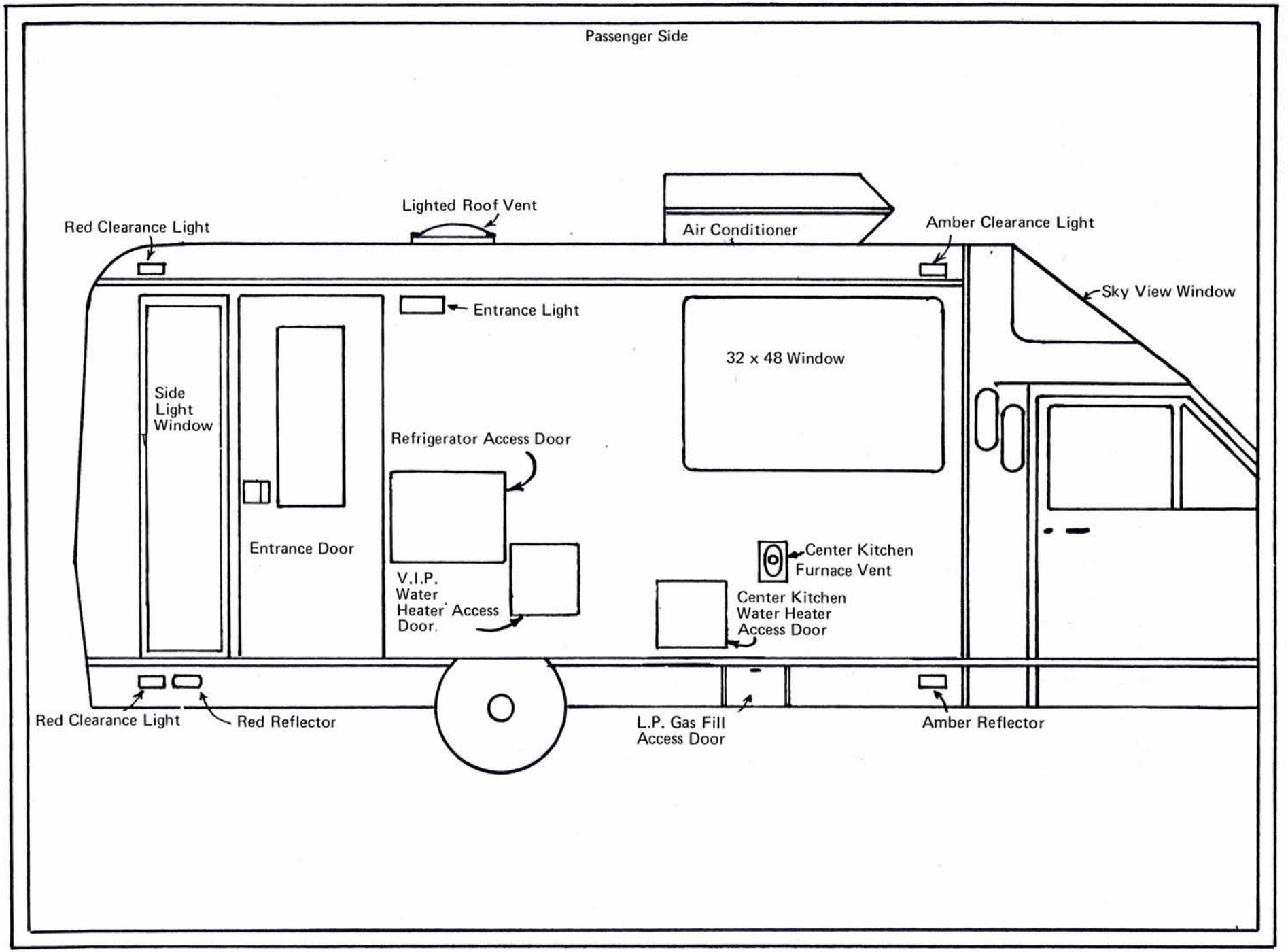

FIGURE 1

CENTER KITCHEN & V.I.P.

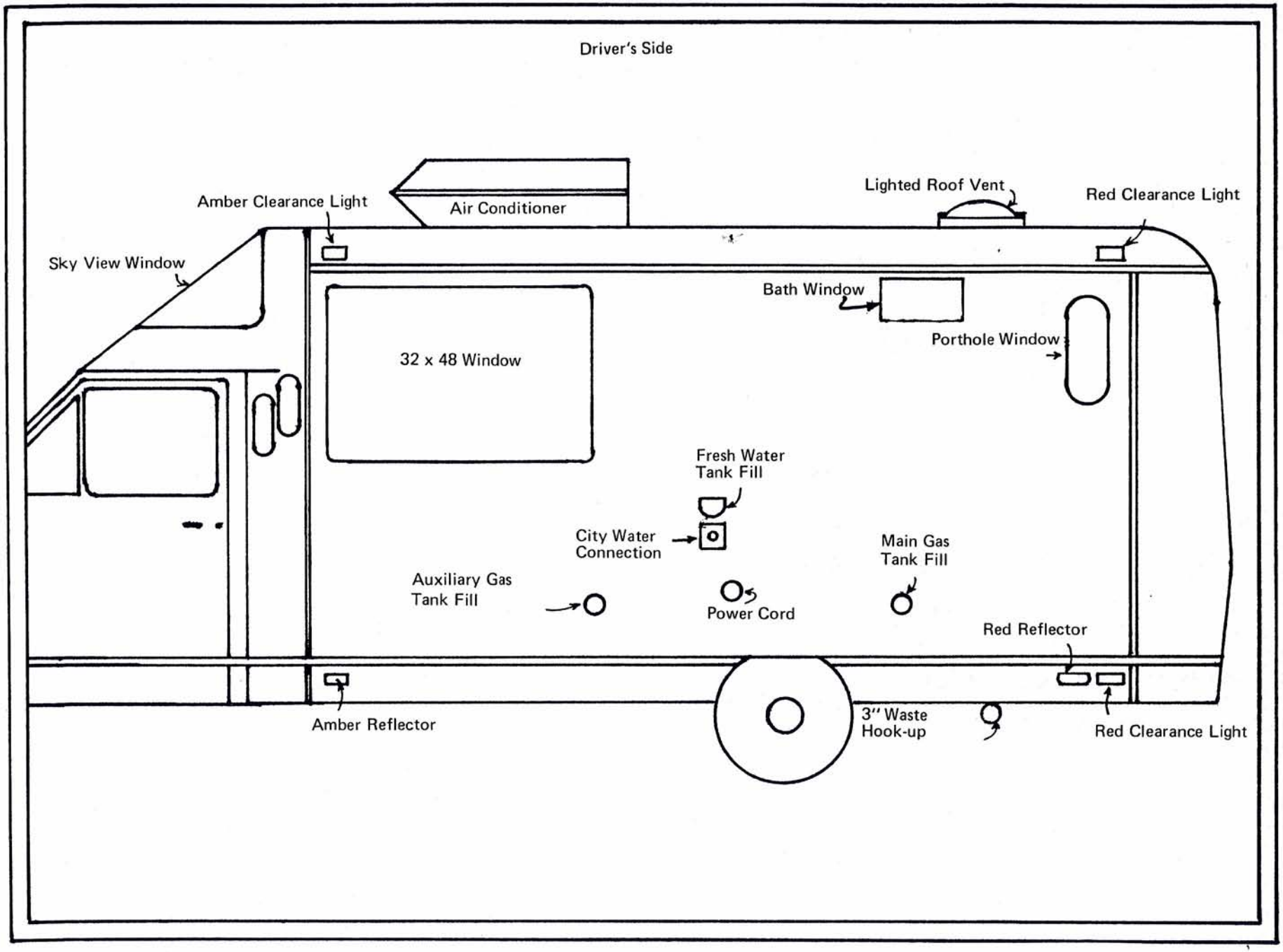

FIGURE 2

REAR KITCHEN & CLUB COACH

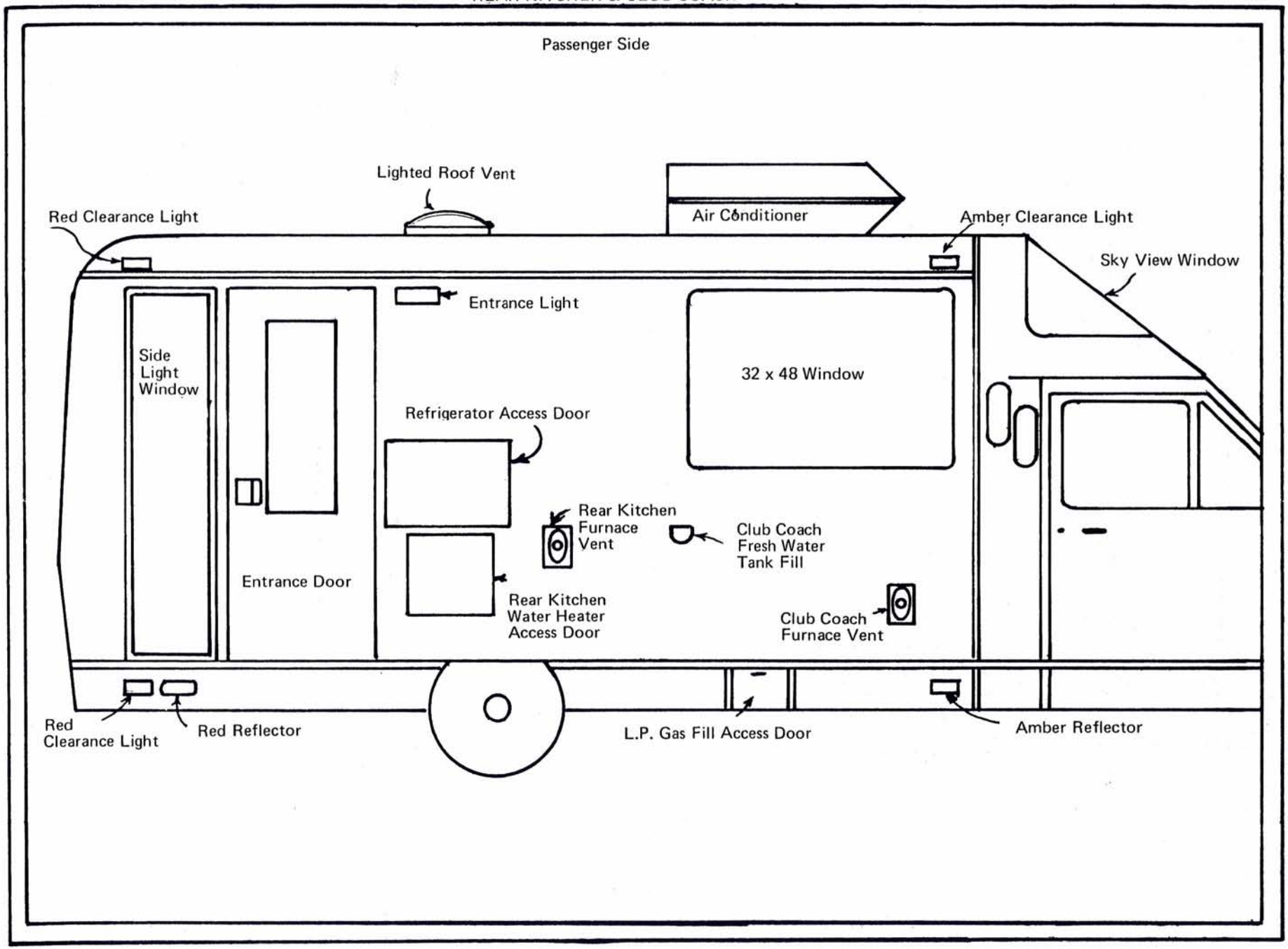

FIGURE 3

REAR KITCHEN & CLUB COACH

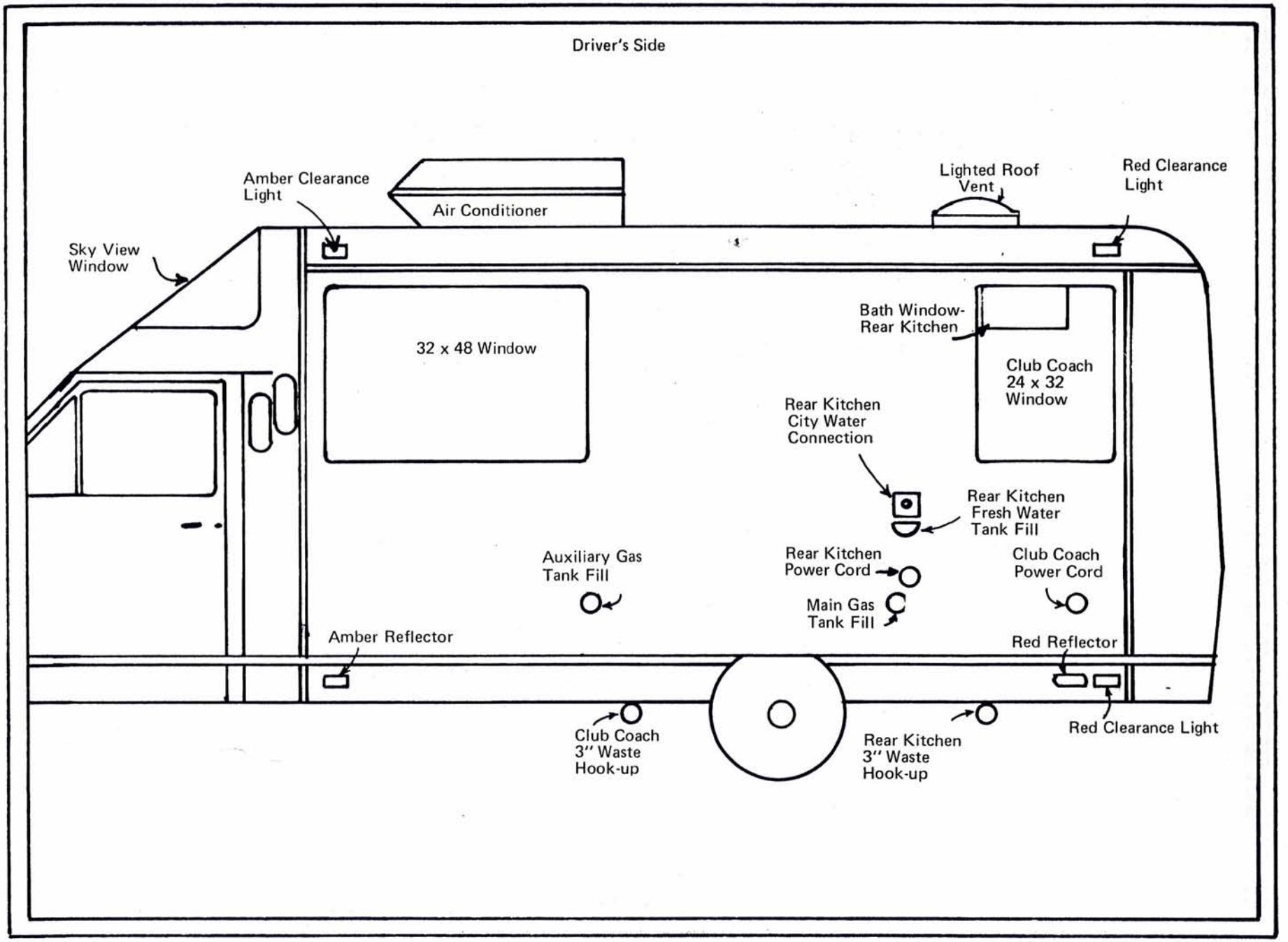

FIGURE 4

ALL MODELS

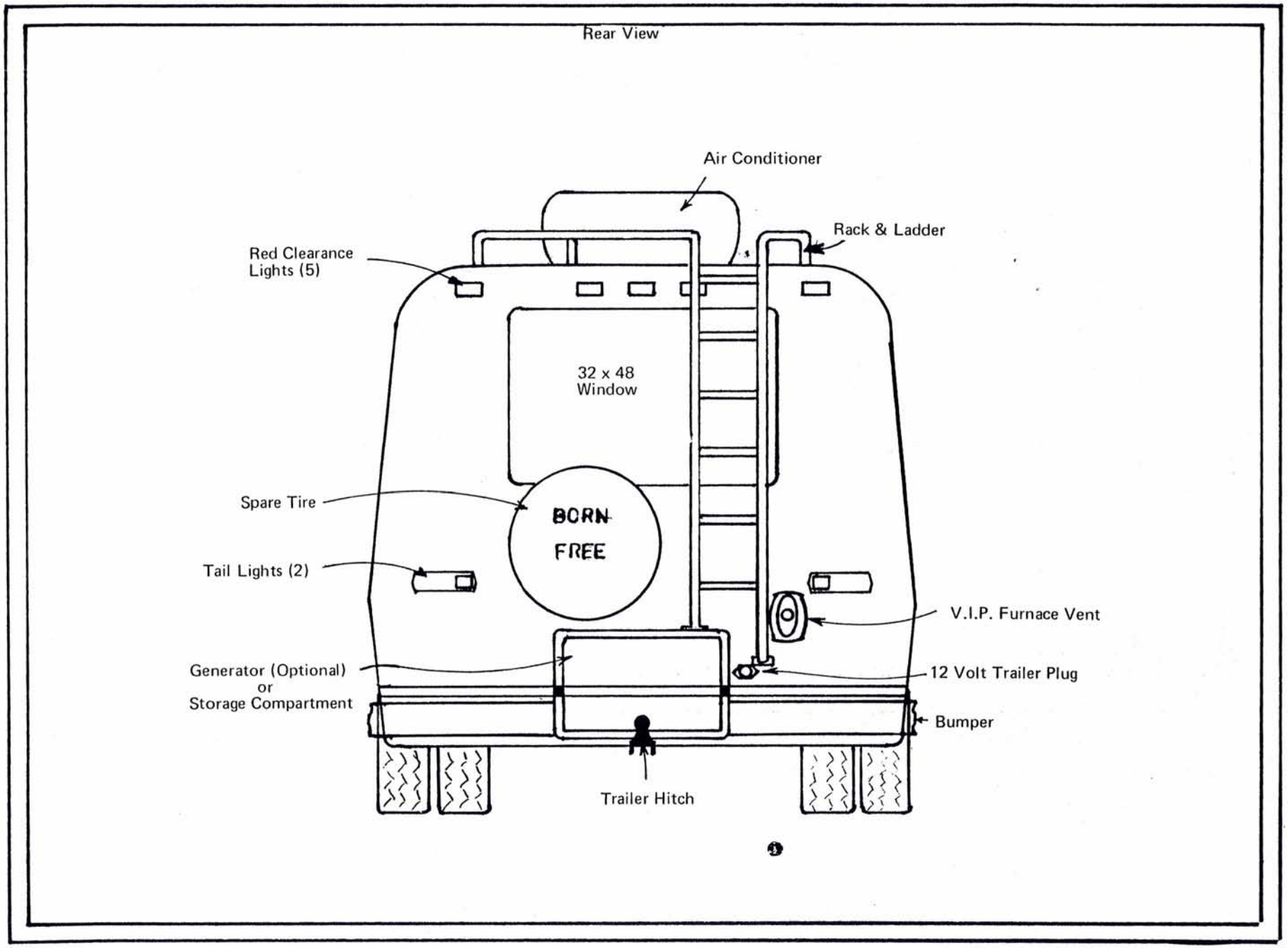

FIGURE 5

REAR KITCHEN CAB–OVER BED

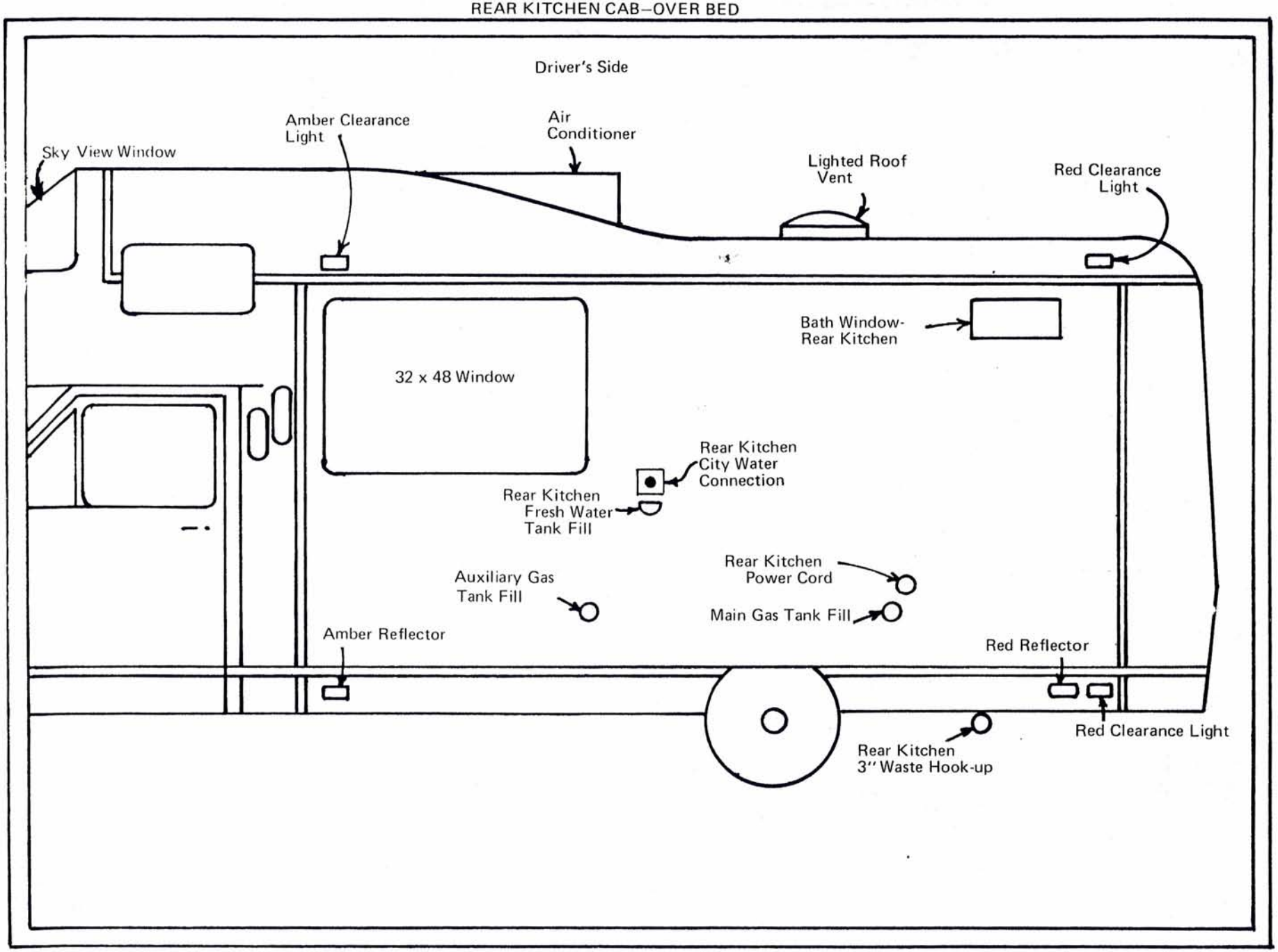

FIGURE 6

REAR KITCHEN – CAB OVER BED

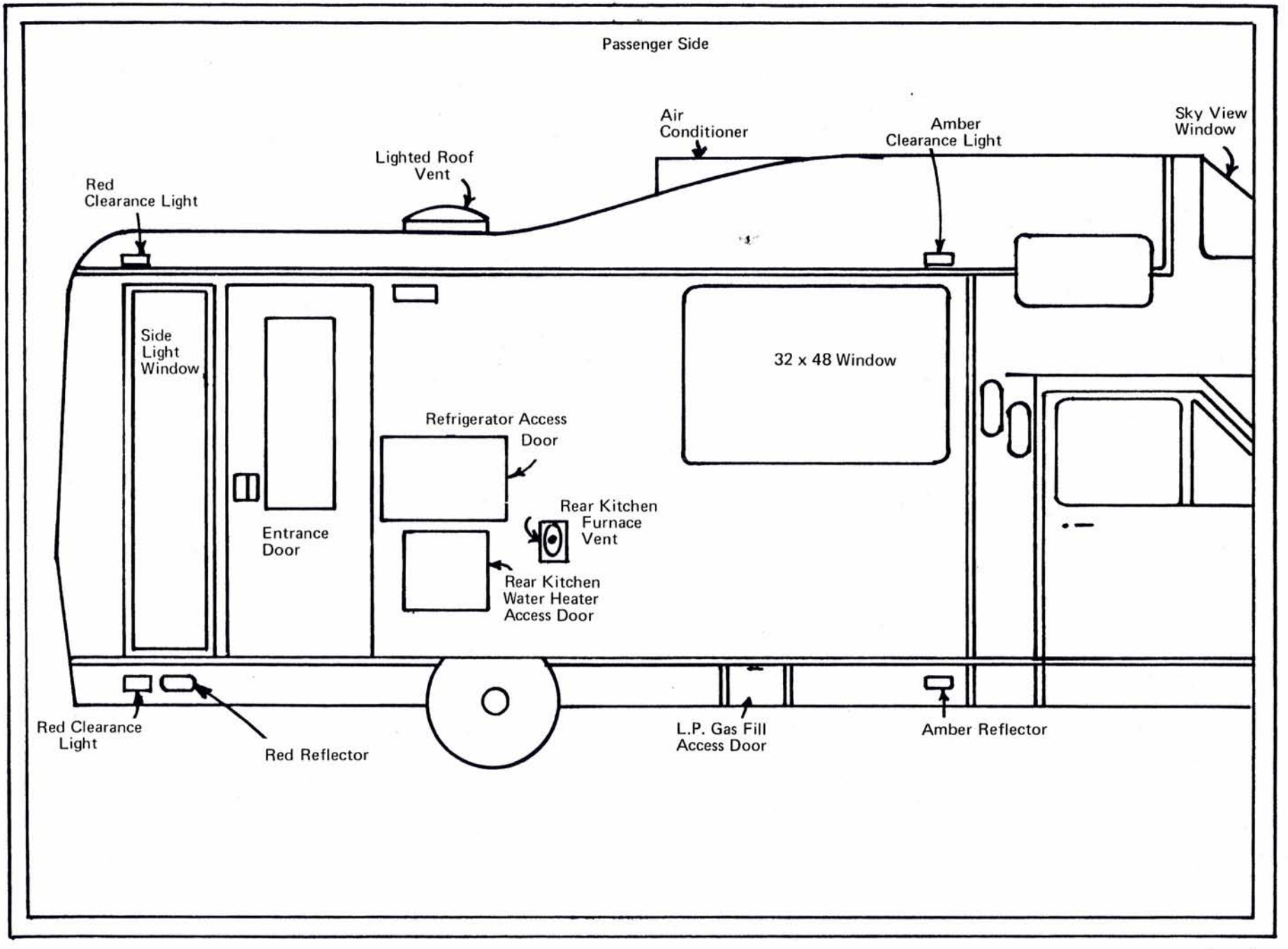

FIGURE 7

II SERVICE

To receive service and warranty on the vehicle chassis, consult the Chassis Manufacturer Owner's Manual and Warranty Schedule for instructions, with exception of gas tank fills, extensions, and gauge units on rear gas tank only.

To provide convenient and professional service, we have made arrangements with the manufacturers of our appliances for service and "Pass Through" warranty repairs with their authorized service centers. This means that the authorized service center will perform warranty repairs on appliances with proof of time in service as stated by their specific warranty policy.

To receive service and/or warranty repairs on refrigerator, water heater, furnace, water pump, air conditioner, generator, bath module, range, range/oven, microwave oven, and radio; consult the Owner's Manual for that appliance for the nearest authorized service center.

The dealer from whom the unit was purchased is expected to perform service and warranty requirements after the sale. It is recommended that the unit be returned to the dealer for these services whenever possible since he has a personal interest in you and your MotorCoach.

To aid the dealer in providing you prompt service, you should provide him with model number, serial number, date of purchase, and current mileage. The model and serial number information is available from the Coach serial tag located outside the rear of the Coach.

If the dealer is unable to provide satisfactory service and/or warranty work, or if the dealer from whom the unit was purchased is not readily accessible; contact the Customer Service Department at the Factory for information concerning the nearest Service Center.

III CHASSIS

1. OPERATION AND MAINTENANCE

For proper operation and maintenance procedures, see appropriate Vehicle Owner's Manual and Warranty Schedule. This may be found in the Literature Packet along with other manuals for appliances, etc.

2. TIRE INFLATION AND VEHICLE LOADING

Refer to "Rating Plate" which is located on driver's door lock pillar--with this information, refer to the Specifications and Capacities Chart in the Vehicle Owner's Manual for the proper inflation pressure for front and rear tires.

Refer to the Vehicle Certification Label affixed to the driver's side door frame for proper axle loading limitations.

IV COACH

A. INTERIOR

1. SEAT BELTS

Seat Belts are required for each occupant as per rated sleeping capacity.

After adjusting seats, sit erect in the seat. Grasp each part of the belt assembly and place the belt across the top of your lap as low on the hips as possible. Insert the metal eye into the open end of the buckle until a snap is heard. Make sure the connection is secure, and adjust to a snug fit by pulling on the free end of the belt. To unfasten the belts, push in on the button located on the buckle.

2. SAFETY DETECTOR

The safety detector is designed to detect explosive and combustible gases, carbon monoxide, and smoke. In case of alarm sounding, investigate all problem possibilities and take proper corrective action.

The alarm operates on 12 volt D. C. current, and is fused in the converter panel.

Limitation on Liability--

Remedy under this warranty is limited to repair or replacement of the smoke detector only. We will not be liable for loss or damage due directly or indirectly to occurrences which the smoke detector is designed to detect.

Some states do not allow the exclusion or limitation of incidental or consequential damages; so the above limitations or exclusions 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.

3. EMERGENCY EXITS

Three doors are designated as exits on each MotorCoach. Two additional exits are available by opening side windows. Please familiarize all occupants with these exits in case of emergency.

4. TABLES

Each MotorCoach is equipped with two removable, pedestal type, formica-top tables and three bases recessed into the floor with exception of Rear Kitchen Model, which has two.

Two bases are located in the forward seating area of Coach, and one is located in front of rear seating area.

5. BEDS

Five types of beds are used in the BORN FREE MotorCoach. These are designed for maximum comfort in seating and sleeping. In addition, an under-bed-storage compartment is located in the gaucho bed.

a. 48" x 76" SOFA BED

The sofa bed can quickly be converted to a double bed for sleeping by removing the two back cushions and putting them in an out of the way place. (The driver's and co-pilot's seats are handy for this during the night time.) Take hold of the center of the bottom of the sofa front, lift up slightly, and pull forward. The sofa has now become perfectly flat; move the bottom cushion over to the back portion, and the bed is ready to be made up.

To restore to the sofa position, merely reverse this procedure.

b. 40"x 76" SOFA BED

To convert the sofa into a bed for sleeping, lift the front oak frame high enough so the legs clear the floor, and pull it out as far as possible. Place the back cushion flat in front of the base cushion, and the double bed is ready to be made up.

c. OVERHEAD BUNK BED

There are two types of Bunk Beds utilized in the Coach, depending on the model.

If the bunk bed is located in the rear, it is placed in the sleeping position by lifting on the lower part of the back cushion, and by sliding the spring-loaded barrel bolt forward into the recess in the cabinet. Connect the nylon rope to the eye bolt in the roof and to the end of the bed. Complete the bunk assembly by adding the narrow cushion, which is normally stored behind the back cushion, to the top bunk.

d. CAB-OVER BUNK

The bed can be easily converted into double bed by flipping front center section out of storage into position.

If the bunk is located on either side of the Coach, it is placed into the sleeping position by lifting on the lower part of the back cushion. Attach two nylon ropes--one at each end--to the eye bolt in the roof and the end of the cushion steel frame. Located under the bunk are two barrel bolts which retain the bed in its stored and extended position. Pull these toward each other to unlock and move bunk outward approximately eight inches until barrel bolts can be pushed into a locked position. Make certain barrel bolts are locked by pulling outward on the bunk bed. Position the two carpeted braces equally between cushion and window. Flip the top cushion over to complete the bed assembly.

6. CABINETS AND INTERIOR COVERINGS

The interior of your MotorCoach utilizes a combination of deep pile carpeting, vinyl-clad paneling, formica and vinyl floor covering (in some models).

To retain its original beauty, normal maintenance should be performed using quality products that can be purchased locally throughout the U. S. A.

7. INTERIOR MAINTENANCE

a. Clock--the clock is operated by one, 1 1/2 volt "C" size battery. To replace battery, reach into cupboard from door nearest clock. Be sure to note direction old battery is removed so installation of new battery will be the same.

b. Curtains, shades, and upholstery--vacuum the upholstery, curtains, and shades as regularly as the carpet. When they need a more thorough cleaning, use only good quality cleaning products. Be sure to test product on an out-of-sight location before cleaning entire area.

B. EXTERIOR

1. DOOR LOCKS--the MotorCoach is equipped with the following locks and keys:

	Identification	Replacement
a.	Ignition and Chassis Key	See Chassis Dealer
b.	Coach Entrance Door Key	Send number of lock to the Factory
c.	Generator Box or Storage Compartment Key	Order from Factory

2. RETRACTABLE STEP

To operate the retractable double step, grasp it firmly with both hands, lift up slightly, and pull it out toward you. It will click in place when you have it out far enough. The bottom step is folded down over the top step. Raise it up from the back until you can take hold of the built-in handle. Take hold of the handle, and fold the step out so the braces on the side are straight.

To replace the step for travel, first fold up the bottom step by pushing the two side braces inward with your thumbs, and fold it flat into its nesting position, then raise it up to lay over the top step. Raise the unit up slightly, and slide it under the Coach to its locking position.

The step should be swept off to remove dirt every time you sweep out the Coach.

3. ACCESS DOORS

The Coach has several different access/vent doors to service different appliances and utilities. See Fig. 1 - 5 for explanation and locations of doors.

4. RACK AND LADDER (Optional)

Exterior roof mount rack and ladder is offered as an option to provide access to the roof area for storage purposes. This unique rack and ladder combination also serves as the television antenna which is wired to the inside of the Coach. Care should be taken when using this option to prevent serious injury in case of icy or raining conditions. Do not exceed 10 pounds per square foot, or 100 pounds total weight of storage on roof.

5. ROOF-MOUNTED STORAGE COMPARTMENT (Optional)

This weatherproof storage pod (compartment) is great for storing large items like suitcases, sleeping bags, etc. Do not exceed 10 pounds per square foot, or 100 pounds total weight of storage on roof, including contents of storage compartment.

6. GENERATOR STORAGE COMPARTMENT

The generator storage compartment is located in the center of the rear wall (see Fig. 5), and is used to house a 3,800 watt, 120 volt generator (optional); or as an outside storage compartment.

7. WINDOWS

The Coach is furnished with tinted, stationary, and sliding safety glass windows with screens. It also is equipped with tinted plexiglass skyview and opera windows.

For proper maintenance, use only aerosol window cleaner or mild detergent and water with a soft, non-abrasive cloth.

8. LIGHTS

The Coach is equipped with 12 volt clearance, stop, tail, turn, backup, and Coach entrance lights. (Refer to Fig. 1 - 5 for location.)

With exception of Coach entrance light, others are controlled and fused by chassis switches.

The switch for Coach entrance light is located on the inside left-hand column as you leave the Coach. It is fused at converter labeled "passenger side".

9. ROOF VENTS

To provide adequate ventilation inside your Coach, crank out roof vents installed in the ceiling. Be sure all roof vents are closed while traveling to prevent wind damage and unwanted dust inside the Coach.

While using the air conditioner, be sure roof vents are closed to get the maximum efficiency from the air conditioner.

Roof vents also serve as interior lights; they are equipped with 12 volt light fixtures.

10. GASOLINE TANKS

a. Ford Chassis--The MotorCoach is equipped with a standard gas tank with a capacity of 24.6 gallons and an optional auxiliary tank with a capacity of 18 gallons for a total capacity of 42.6 gallons. (See Fig. 2 and Fig. 4 for location.)

   To switch from main tank to auxiliary tank and vice versa, actuate the switch located under the dash on the driver's side to the tank desired. The gas gauge reading will be for the tank you are switched to.

b. GMC, Chevrolet, or Dodge Chassis--Your MotorCoach is equipped with one, 36 gallon gas tank.

   The filler tube for the gas tank is located on the driver's side at approximately the middle of the MotorCoach.

C. ELECTRICAL SYSTEM

The MotorCoach is equipped with four electrical systems operating through a converter control center.

These four systems are:

1. 12 volt Automotive Electrical System
2. 12 volt MotorCoach Auxiliary Battery
3. 110 volt Outside Power Source
4. 110 volt Auxiliary Power Plant (Generator--optional)

The two 12 volt systems are essentially the same. Each draws power from the storage batteries.

1. AUTOMOTIVE BATTERIES

If the auxiliary battery is ordered, the Ford chassis comes with two 12 volt batteries located under the hood in the engine compartment. The optional auxiliary battery (driver's side) is used only for the MotorCoach. This battery operates the following:

Interior Lights
Recirculating Toilet
Range Exhaust Fan
Furnace
Water Pump
Water Level and Holding Tank Gauge
Power Plant Starting
Safety Detector

The chassis battery (passenger side) operates the following equipment:

Head Lamps
Turn Indicators
Console Panel Lights
Windshield Wipers
Engine Ignition System
Speed Control
Starter Motor
Backup Light
Exterior Clearance Lights
Tail Lights, Indicator Light, Stop Lights
Cigarette Lighter (dash mount)
Auto Air Conditioner (engine running)
Radio and Stereo

The auxiliary battery is separated from the truck battery during all camping situations, or any time the truck ignition is turned off. This operation is under control of an electronic relay located in the engine compartment. Its purpose is to isolate the truck battery so it will always be charged up and ready to start the engine, and provides no power to the MotorCoach.

As an additional option, a double battery pack is installed in the MotorCoach in lieu of auxiliary battery under hood. This system consists of two, six volt batteries, a sliding compartment tray, and a fiber glass enclosure.

In order to be able to recharge the Coach (auxiliary) battery, the electronic relay activates when the ignition switch is turned on, and the truck generator (or alternator) will charge both the truck and Coach batteries when the engine is running. If the Coach battery becomes run down, start the truck engine and run it at a fast idle for about 20 minutes which should partial charge the battery back up.

NOTE: In an emergency, the ignition switch can be turned on to supply power from the truck battery to the Coach. In doing so, it must be remembered that the truck battery would be run down if this practice were to continue for very long. You would then be unable to start the engine.

CARE OF BATTERIES

Check battery water level before every trip, and at least once a week during actual use. If the MotorCoach is stored for the winter, remove the battery(ies) from its carrier and store in a place that is cool but above freezing. Even when idle, the battery(ies) will discharge from chemical action, and should be recharged about once a month. Do not connect it to a charger and leave for the winter as the danger of overcharging is too great. If this happens, the water will be boiled out; and after they dry out, the plates will buckle.

2. 110 VOLT SYSTEM

The 110 volt system operates from the 110 volt auxiliary power plant (optional), or from an outside 110 volt utility service.

The following equipment is entirely dependent on the 110 volt generator or 110 volt outside utility source:

Air Conditioner/Heat Strip
Refrigerator (110 volt or LP gas)
Electric Range
Optional electrical equipment used at convenience outlets
Optional Electric Heaters

a. 110 VOLT UTILITY SUPPLY

A 25 foot U. L. approved, 30 amp heavy duty cable is provided for the connection to a utility supply. Also a 15 amp adaptor is provided for usage with a standard three prong outlet.

b. 110 VOLT AUXILIARY GENERATOR (Optional)

The auxiliary generator in your MotorCoach allows you to use 12 volt lights and 110 volt appliances when utility power is not available. The generator is designed to run continously, and can be operated when the vehicle is moving. The generator operates with regular gasoline from the main fuel tank of your MotorCoach. The main gas tank should be maintained at least one-fourth full for operation of the generator.

There are two starter switches. The remote control switch and the switch mounted on the generator. The remote control switch is located inside the wardrobe door (V.I.P. and Center Kitchen), or on the side of the sink cabinet (Rear Kitchen). The panel includes a light that tells when the generator is running; also an elapsed time meter to clock the actual hours of operation.

The manufacturer of the generator has provided a separate booklet on the care and use of the generator. Read it carefully so you will get the benefit of trouble-free operation that has been built into this product.

WARNING: There is carbon monoxide (CO) in the exhaust of all gasoline internal combustion engines. This gas is colorless, odorless, tasteless, lighter than air, and poisonous. The exhaust system of your generator (power plant) engine has been installed with your safety in mind. However, certain precautions must be taken in its use to protect you from conditions beyond the control of the manufacturer.

1. Do not simultaneously operate your generator (power plant) engine and a ventilator which could draw air into the vehicle resulting in the entry of exhaust gases.

2. Do not open windows or non-powered ventilators on the end or side of the vehicle where exhaust of the generator (power plant) is located.

3. When parked, orient the vehicle so the wind will carry the exhaust away from the vehicle. Also note the position of other vehicles parked near you.

4. Do not operate the generator (power plant) engine when parked so that vegetation, snow, building, vehicles, or any other object can deflect the exhaust under or into the vehicle.

3. CONVERTER CONTROL CENTER/BATTERY CHARGER

The power converter takes 110 volt AC, converts it to 12 volt and rectifies it to DC current. It supplies this DC directly to the appliance and lighting circuits in the MotorCoach. It also contains a battery charger to keep the battery(ies) up to a full charge. The converter plays no part in the operation of the Coach unless 110 volt AC power is available. When connected to such a source, a relay built into the converter places it in the circuit and all power is drawn from it instead of the battery(ies).

On all electrical circuits, both 110 volt AC and 12 volt DC, shut-off switches, circuit breakers, and fuses are located in the control center. Opening the cover will disclose circuit breakers and fuses with circuits labeled.

The two large switches across the top are the utility main entrance AC line and the generator main line to converter. All AC circuits employ circuit breakers that are re-set when turned on. The 12 volt DC circuits are protected with cartridge type automotive fuses that snap into place easily. It is a good idea to carry a supply of spare fuses in the sizes used in your MotorCoach.

The following equipment from the 12 volt system can be operated through the converter control center:

Interior Lights
Range Exhaust Fan
Water Pump
Furnace
Recirculating Toilet
Water Level and Holding Tank Gauge
Power Plant Starting
Safety Detector

When a fuse blows or a circuit breaker trips, it happens just as some change has been placed on the electrical load, perhaps an appliance has been turned on or plugged into a wall receptacle. Turn off this appliance or remove the plug before re-setting the circuit breaker or replacing the fuse. If it holds, check the offending appliance before attempting to use it again.

The actual electrical load on that circuit should also be checked because it is possible that there is no trouble in that appliance except that it may present an overload to a heavily loaded circuit.

For further service or warranty, consult the Owner's Manual.

4. AIR CONDITIONER

The air conditioner which is offered as optional equipment in all BORN FREE MotorCoaches is a combination air conditioner and heater. In addition to the regular cooling features, a 5,600 BTU electric heat strip is built in to provide heat to the interior of the Coach at those times when it is not cool enough to need the furnace, but too chilly to be without any heat.

To operate either the air conditioner or heating mode, a source of 110 volt AC electric power is needed. This can be from utility power at a campground, or by the optional built-in generator.

The air conditioner will keep your MotorCoach cool in the warmest of climates. The five position control switch has two fan settings, two cool settings, plus off. The thermostat control regulates the amount of cooling.

When entering the Coach, turn the thermostat to its highest setting and the fan switch to High Cool. If it is unusually warm in the Coach, open at least two windows slightly; but remember to close these windows as soon as the Coach starts to cool down. After the temperature has reached a comfortable range, the thermostat can be reduced and the control switch changed to Low Cool to maintain that temperature.

To operate the heater, set the control to Heat. The fan will start and temperature should be set with the thermostat. The unit will cycle on and off as it maintains that setting.

The center plate in the ceiling shroud can be removed to gain access for removing the air filter. It should be washed regularly in soap and water, dried out, and re-installed.

Consult the Owner's Manual for maintenance and/or warranty information.

5. RANGE VENT/LIGHT

The power range hood is used to eliminate cooking odors, and to expel gas fumes. To start the fan, push fan switch.

Clean the filter periodically for efficient operation. Wash with hot water in any household detergent, rinse thoroughly, and dry. Clean dust and grease from fan blades each time filter is removed.

6. REFRIGERATOR

The refrigerator operates on LP gas or 110 volt AC.

The refrigerator should be started up a few hours before leaving on any trip or outing. Pre-chill all food and beverages in the house refrigerator before placing in the Coach refrigerator. This will hasten the time that it takes to get the refrigerator cool, and will not raise the temperature inside by placing too great a load on it suddenly. An inexpensive refrigerator thermometer can be purchased in most hardware stores and will prove very valuable in monitoring the temperature inside.

The refrigerator must be level to operate efficiently as the gases and fluids within the cooling unit depend on gravity for circulation. While traveling down the highway regular movement of the Coach causes the unit to be on both sides of the level. Whenever the Coach is stationary, do not dig a hole or trench to level up. Elevate the low side or corner by driving it up on a block of wood. Experienced campers learn to carry a few short pieces of 2 x 4 or 2 x 6 lumber for this purpose.

a. ELECTRIC OPERATION

1. Turn Gas/Electric Selector Switch to OFF position, then press the knob inward, and turn clockwise until "ELEC" appears in the slot.
2. Set Electric Thermostat to "4".
3. After refrigerator has had time to cool, adjust Electric Thermostat to a lower setting to maintain the desired cooling temperature.

b. LP GAS OPERATION

1. Turn on LP gas at supply tank.
2. Turn Gas Electric Selector Switch counterclockwise until "GAS" appears in the slot.
3. Set Gas Thermostat to "4".
4. Pull Pilot Bypass Knob outward and hold.
5. Push Lighter Button.
6. Observe blue flame in Pilot Light Reflector Window. It may be necessary to push Lighter Button several times.
7. After refrigerator has had time to cool, adjust Gas Thermostat to a lower setting to maintain the desired cooling temperature.

   If pilot fails to light, it could be due to air in the LP gas line. Continue to hold the Pilot Bypass Knob for two or three minutes, and this should clear the air.

TRAVEL LATCH

A travel latch has been built into the front of the refrigerator to prevent it from opening during travel. It is located on the top near the side of the door that opens. To operate it, turn it toward you so the latch part engages the door.

DEFROSTING

When the frozen food storage compartment and cooling bins are covered with frost, the refrigerator needs to be defrosted. Turn off the cooling unit and allow the frost to melt. Ice trays can be filled with hot water to hasten this process. Do not attempt to chip the frost or ice off any part of the unit, but allow it to melt.

Before the refrigerator is re-started, it should be completely dried out, the ice trays washed and refilled with fresh water. The drip tray must also be emptied, washed, and dried.

CLEANING THE REFRIGERATOR

When returning from a trip, turn the refrigerator off, and remove all contents. Wash the interior lining of the cabinet with detergent and water. The evaporator, ice trays, and shelves must, however, be cleaned with warm water only. Never use strong chemicals or abrasives to clean these parts, or the protective surface will be spoiled. After the cleaning job is completed, the cabinet doors must be propped open long enough to allow the refrigerator cabinet to dry out thoroughly.

If the door of the cabinet is allowed to close before the interior has dried out, mildew will form inside the box when it is not in use. If this should happen, wash again with a luke warm, weak solution of water and baking soda to remove the mildew.

REFRIGERATOR TROUBLE SHOOTING

Pilot flame blow-out. It is not unusual for your refrigerator pilot to blow out occasionally as it is often subjected to strong gusts of wind from other vehicles. If trouble persists, have your dealer check the operation. Do not obstruct the outside vent by covering it or placing any kind of material inside the vent door. For proper operation, air must be drawn in through the side vent, allowed to pass over the cooling unit, and then drawn outward through the roof vent. Any blockage of this "chimney action" will impair the operation of the refrigerator.

For maintenance and warranty work, refer to the Owner's Manual,

7. MICROWAVE OVEN

For operating instructions, refer to booklet.

D. PLUMBING

1. FRESH WATER SYSTEM

The Fresh Water System can be supplied from two sources--a water tank located in the MotorCoach, or from a campground water source connected to the water intake through a hose.

The tank water supply is equipped with a demand pump (except the Club Coach which requires activating a switch plus the faucet handle).

The demand type system is controlled by a pressure switch built into the pump. When a faucet is opened, pressure in the line drops causing the pump to start (on demand), and it pumps water to the open faucet. When the faucet is closed, pressure builds up quickly and the pressure switch shuts off the pump. A manual switch is provided near the kitchen sink to cut electrical power to the demand pump when the tank is empty or the system is not in use. The pump operates from the 12 volt DC battery supply.

Other components in the water system include a 33 gallon supply tank and a six gallon water heater.

The water tank filler inlet is located on the outside of the Coach on the driver's side. (See Fig. 2, 3, or 4.) While you can cram your hose coupling into this fitting, it is better to have a special tool for this purpose. One can be made by cutting off the female end of a water hose to a length of about six inches, or you can purchase one already made from your Born Free dealer. Connect this short hose fitting to your regular water hose, and place the end into the filler inlet to fill the tank. The water should run at a moderate or even slow flow so all the air in the tank will be able to escape. Filling the tank too fast will trap air inside and allow no more water to enter giving the false impression that the tank is filled. After the tank is filled, let it set for about five minutes, then try again slowly. You may find you can get several more gallons in.

During the water fill procedure, the water heater tank should also be filled, providing it was not done previously. Open a hot water faucet within the Coach and allow air from the water heater tank to escape. A free flow of water from the hot water faucet will indicate that its six gallon tank is full. If you forget this step

until later when a water source is not available, you will be filling the hot water tank from the Coach supply tank and reduce the supply unnecessarily. The water heater is arranged so the water inlet is on the bottom and the outlet of the tank is on the top. Therefore, water cannot be drawn from it unless more is pumped in at the bottom. When the water supply tank is empty, no hot water can be drawn even though the hot water tank is full because no water from the supply tank is available to push the hot water through. This explains why the hot water tank only needs to be filled the first time.

If the pump is cycling on and off occasionally, it will indicate that a leak is present to allow a drop in pressure. Check all water connections for the presence of a leak.

The Club Coach consists of 10 gallon holding tank and a manually operated 12 volt water pump.

For location of the holding tank fill and city water connection, see Fig. 2 or 4.

NOTE: It is good practice to turn off the pump switch when leaving the Coach for a period of time, and when retiring at night.

In case of uneven water pressure between hot and cold in the kitchen faucet, or pressure in the kitchen compared to the bathroom, check the screen filters inside the kitchen faucet assembly for clogging. This requires the dismantling of the faucet. If you do not feel comfortable about repairing the faucet yourself, take the unit to a Recreational Vehicle Center, or to a plumber.

2. SYSTEMS MONITORING PANEL

The Monitoring Control Panel is located on the end of the wardrobe cabinet, and consists of four switches, five lights, and one gauge. By pressing either the fresh water, tank one (sewage), or tank two (grey water) switch, the lights glow indicating the level of the tank. Pressing the battery switch indicates the condition of the battery for the Coach only.

3. CITY WATER CONNECTION

When parked in a campground which has hookup facilities for city water, a connection has been provided on the outside of the Coach. (See Fig. 2 or 4.) To use this connection, connect a water hose to this fitting and turn off the demand pump switch using the city water pressure to provide for the movement of that water. Built into this connector is a pressure limiting valve which

will reduce excessive water pressures to a safe limit. It must be remembered that connection to this water facility bypasses both the pump and the water supply tanks; and, therefore, will not fill the fresh water tank.

NOTE: To guard against damage to the pressure limiting components, do not turn water faucet on full force, as some water systems have excessive water pressure, and its force needs to be limited by merely "cracking" the faucet open.

4. BATHROOM UNIT

The total bathroom includes a disappearing toilet, lavatory sink, medicine cabinet with mirror, light, shower, shower curtain, and full length mirror.

The toilet folds into the module and is held in place with a small locking lever on the side. For use, release the locking lever and pull the handle/leg combination outward until it rests on the leg in a horizontal position. For easier cleaning, a small amount of water should be run into the bowl by pressing the flush pedal part way down. Then place a piece of toilet tissue on top of water. After use, depress the flush pedal to run rinse water into the bowl, and then raise the bowl slowly. Allow the contents to run into the sewage holding tank while holding the pedal down. Release the pedal, and re-engage the locking lever.

It is recommended after emptying sewage holding tank to add chemical deodorant. The capacity of sewage holding tank is 16 gallons. Per recommendation of manufacturer of chemical deodorant, add prescribed amount of chemical and water through normal flushing operation of bowl.

To operate the shower, set water to the desired temperature by adjusting hot and cold water faucets, then turn shower lever located between the faucets to an "ON" position. This will divert the water to the shower head. The shower head is equipped with a shut-off valve which will allow it to be turned off to conserve water while soaping up.

5. RECIRCULATING TOILET (Used in some models in lieu of fold-up toilet.)

A recirculating toilet uses a storage compartment to hold water, a pump (electric or manual), and a drain system.

To fill storage compartment, pour three gallons of water directly into bowl. Press foot pedal several times to prime the pump and

to start recirculating cycle. To add necessary chemicals, pour contents while recirculating water. (Refer to toilet owner's manual for recommended chemical and warranty restrictions.) For use, press foot pedal for recirculation.

6. DRAIN SYSTEMS

To provide complete self-containment and to comply with requirements of good sanitation practices, your BORN FREE MotorCoach is equipped with a dual tank drain system. The sanitary holding tank receives waste from the toilet and bath lavatory. The second tank which is called the grey water tank, collects waste water from the kitchen sink as well as the shower pan.

The two tanks share a common outlet for connecting the regular three inch sewer hose for emptying, but each has its own slide valve so they can be evacuated separately. This connection along with the two slide valves is located on the driver's side of the Coach near the center or at the rear. (See Fig. 2 or 4.)

a. HOLDING TANK EVACUATION

The holding tank should be evacuated at an authorized sanitary disposal station or sewer hookup in a campground only. Position the MotorCoach at the sanitation station so the sewer connection is located near the drain opening. Remove cap on the drain opening and install sewer hose to the connection. Place the open end of the sewer hose in the disposal drain, and hold it in position during the entire evacuation process. Each tank should be drained separately and the slide valves opened one at a time to avoid the contents of either tank running into the other. Pull the slide valve handle all the way out so the contents will run out in a quick flushing manner. After the tank has emptied, close the slide valve and run clear water through the toilet into the tank for rinsing. Open drain valve to allow rinse water to run out. Close slide valve and re-engage retaining clips. The grey water tank is emptied in the same manner. Run water through the sewer hose to rinse it, and replace it in its carrier. Recharge holding tank.

Always rinse the tanks well after evacuation to eliminate any accumulation of solid waste which could become a problem. The best method of rinsing either tank is to close the slide valve and fill the tank either through the toilet or one of the sinks. Open the slide valve all the way allowing the water to rapidly run out creating a turbulence that aids in cleaning the complete inside of the tank. This rapid cleaning action also cleans the slide valve so that nothing collects in the tracks to impair its operation or clog it so it will not close completely.

Be sure both slide valves are closed and the cover is in place over the outlet before moving the vehicle in order to keep any road dirt from entering the system.

b. PARKING IN A CAMPGROUND WITH HOOKUPS

When parked in a campsite with sewer hookup facilities, connect the drain hose and open the sink tank drain valve. This will allow complete water drainage during your stay. Showers can be taken as well as free use of sink drains without the worry of filling your tank. However, the holding tank drain valve for the toilet waste should not be left open during your stay. If this is done, liquids will run off quickly; but solids have a tendency to remain in the tank. The proper method is to leave the slide valve closed allowing wastes to accumulate. If this is done, the evacuation procedure will allow the quick-flush principle to carry all wastes out the drain at the same time, and will keep the inside of the tank in a cleaner condition.

E. LP GAS SYSTEM

1. FURNACE

The furnace in most BORN FREE MotorCoaches is an LP gas burning model which will distribute heat throughout the Coach. It is controlled by a wall thermostat. It is equipped with an electric ignition and can also be lighted manually. Always remember when the Coach is not in use, have the furnace turned "OFF", both at the gas valve and the thermostat so the fan will not operate.

LIGHTING INSTRUCTIONS: Model # 4322

CAUTION: Failure to follow these instructions exactly may result in damage to the unit.

1. Set thermostat to highest setting. Blower will start.
2. Turn red gas valve knob to "OFF" position. Wait five minutes. Reset thermostat to lowest setting. Blower will stop.
3. Turn red gas valve knob to "PILOT" position. Depress red gas valve knob and light pilot by depressing igniter. Several strokes may be required before pilot lights. On initial lighting the pilot may not ignite immediately due to air in the gas line. If such is the case, it may be necessary to hold the red gas valve knob in for a minute or more before the pilot lights.

4. When the pilot ignites, continue to hold in the red gas valve knob for 30 seconds, or until the pilot remains lit when the red gas valve knob is released.
5. Turn red gas valve knob to "ON" position.
6. Replace front panel. Set Thermostat at desired temperature.

INSTRUCTIONS FOR LIGHTING WITH A MATCH: Model # 4322

1. Set thermostat to highest setting. Blower will start.
2. Turn red gas valve knob to "OFF" position. Remove observation window. Wait five minutes. Reset thermostat to lowest setting. Blower will stop.
3. Turn red gas valve knob to "PILOT" position. Depress red gas valve knob and light pilot using lighter rod and match.
4. Replace observation window. Turn red gas valve knob to "ON" position.
5. Replace front panel. Set thermostat at desired temperature.

INSTRUCTIONS FOR RE-LIGHTING PILOT

If pilot flame goes out, repeat lighting instructions above.

INSTRUCTIONS FOR SUMMER: Model # 4322

1. SET SYSTEM SWITCH TO "OFF" POSITION TO AVOID NUISANCE SUMMER FAN OPERATION.

2. FOR FUEL CONSERVATION, TURN GAS VALVE TO "OFF" POSITION.

SEQUENCE OF OPERATION: Model # 4322

The furnace is designed to operate from a 12 volt DC power source. This 12 volt DC power source may come from a 12 volt DC battery, a Coach 115 volt AC/12 volt DC converter, or from a 115 volt AC/12 volt DC converter located on the rear right-hand side of furnace casing. The sequence of operation is as follows:

1. Turn the thermostat to its highest position; this will cause the blower to come on immediately. Let the furnace blower run for approximately five minutes; then set thermostat to its lowest position. This will turn blower "OFF". (Note: This is a precautionary measure to remove any accumulated gas from service area of furnace.)

2. Turn the gas valve knob to "PILOT". Upon depressing the red knob, gas flows to the pilot where it is ignited by the Piezo igniter. To ignite the pilot gas, simply push the button all the way in until it clicks or snaps. The pilot heats a sensing element (thermocouple).

3. After being sufficiently heated, the sensing element (thermocouple) serves the purpose of "holding open" the mechanical gas valve.

4. The red button is then released; turn the red knob to "ON". Now gas flow is introduced up to the main solenoid valve.

5. Furnace operation is controlled automatically by the thermostat.

6. The thermostat, when moved up to desired temperature, activates a relay which bypasses the fan switch turning the blower "ON". When the blower reaches speed, a "Sail Switch" activates, which is in electrical "series" hookup with the gas valve. The circuit is now completed, and gas is released to burner where it is ignited.

7. The furnace is now operating. If for any reason the pilot is extinguished, the gas valve safety will drop out, rendering the furnace inoperative until a pilot flame is again established.

8. When thermostat is satisfied, the relay is de-energized and opens, the gas valve solenoid in the gas valve closes, thereby cutting off gas supply to burner. THIS DOES NOT TURN BLOWER OFF.

9. The blower continues to operate until the fan switch is satisfied that the proper amount of heat has been discharged from the furnace.

10. Summer Operation--For summer operation, the pilot will sometimes give off enough heat to activate the fan switch and blower will come on. To correct, turn system switch and gas valve to the "OFF" positions.

FURNACE ADJUSTMENTS: Model # 4322

Since the pilot and main burner adjustment are preset at the Factory, such field adjustments normally are not required. However, if some adjustment is necessary; proceed as follows:

Pilot Adjustment--Observe the pilot flame through the observation window. The pilot flame may be adjusted by removing the cap screw and rotating the small screw on the top of the gas valve counterclockwise for more flame, or clockwise for less flame.

MAINTENANCE: Model # 4322

The working parts of the furnace, called the Heat Unit Assembly, have been mounted on a sliding tray which can be removed from the outer casing for servicing.

Maintenance is suggested before lighting the pilot prior to each heating season.

1. Clean the circulating air blower.
2. Clean the combustion air blower.
3. Clean the inside of the furnace casing.
4. Thoroughly clean the burners. Clean the slots; then using air pressure, blow through the slots to expel any contamination which might be present.
5. Check all piping joints and furnace controls with a soap solution to detect leaks. If bubbling is observed, a leak is indicated.

CAUTION: NEVER CHECK FOR LEAKS WITH AN OPEN FLAME.

6. The control compartment should be kept clean.

Note: Your Coleman serviceman stands ready to give you a helping hand.

By following this outline, your forced air furnace will give years of clean, quiet, and efficient service.

OPERATION AND SERVICE INSTRUCTIONS: Model # 4322

OVERLOAD PROTECTION

All furnaces are equipped with an automatic reset circuit protector. If repeated re-setting of the circuit protector is experienced, it is recommended you contact your nearest authorized Coleman Recreational Vehicle Service Center for a checkout. (Consult the Service Center List packed in your customer envelope, normally stored in your cabinets.)

WIRING

POLARITY must be observed when connecting a battery or external converter to the furnace. Connect the POSITIVE (+) post of battery or external converter to RED wire coming off the top terminal of the overload protector. Secure with wire nut. Connect NEGATIVE (-) post of battery or external converter to BLUE wire. Secure these two wires with wire nut.

CAUTION: IF POLARITY IS REVERSED, THE BLOWER WILL TURN BACKWARD, AND THE FURNACE WILL NOT HEAT.

SHUT-DOWN INSTRUCTIONS:

Complete shut-down is recommended when your Recreational Vehicle is left unused for any appreciable time. For complete shut-down to be accomplished, the following instructions must be observed:

1. Turn main gas supply to the furnace "OFF".
2. Turn toggle switch supplying power to furnace "OFF".
3. Turn thermostat to "OFF" position.

Refer to Appliance Owner's Manual for service and warranty information.

2. RANGE

The range is equipped with a safety pilot which must be ignited before the oven burner will operate. Move oven control by pushing inward, then turning to "OVEN OFF" position. Light the oven pilot with a match and allow it to warm a few minutes before advancing the oven control. The pilot is located inside the oven under the burner shelf approximately midway on the burner.

Set the oven heat control to the desired temperature, and it will come on under the control of the pilot and thermostat. Restoring the oven control to "OVEN OFF" will turn off the oven burner, but allow the pilot to remain lighted. It may be left in this position until next time the oven is used. When returning from a trip, restore the oven thermostat to "PILOT OFF" position. It is extremely important that oven control be on "PILOT OFF" position when your MotorCoach is in transit.

MAINTENANCE AND ADJUSTMENTS

If you are using an LP gas range for the first time, you will notice flame height is appreciably lower than with the natural gas range which you use at home. LP gas contains more BTU per unit than natural gas and a lower flame will cook as quickly and contain as much heat as the larger flame of natural gas.

The flame should always be a blue color without any yellow on the tips. If yellow starts to form on the tips, it will smoke or soot the bottoms of your pans and cook pots. This condition means more air is needed. Adjust the sleeve shutter which is located just inside the stove body near the individual valve for that burner.

Refer to Appliance Owner's Manual for service and warranty information.

3. WATER HEATER

Before you can light the water heater it must first be filled with water. With the water pump switch on, open a hot water faucet to fill. The pump will push water into the heater tank, and the air will escape from the hot water faucet. A steady flow of water from a hot water faucet will indicate the tank is full. The best time to do this is during the water supply tank filling process if the water heater was previously empty. If you wait until later, you will take six gallons of water from your supply tank to fill the water heater. However, water will always remain in the water heater unless drained because water can only be taken from it, once full, when new water is pumped into it.

LIGHTING PROCEDURE

1. Turn on gas at LP supply tank.
2. Open outside Water Heater Access Door.
3. Set water temperature control lever to mid scale.
4. Turn gas control dial to pilot.
5. While holding lighted match at pilot burner, push RED pilot bypass down and hold.
6. Pilot will light, continue to hold red button down for 30 seconds more, then release.
7. Pilot will continue to burn. Turn gas control to "ON". Main burner will light unless water is already hot. Close outside door.

MAINTENANCE

To drain water heater, open drain valve and open lever on pressure relief valve. Remember to turn gas control to "OFF" before draining. Pilot height can be increased or decreased by means of a small screwdriver adjustment. Remove cover to gain access to the adjusting screw. Air adjustment for the burner can be adjusted by moving sleeve to increase or decrease air. Yellowish, smoky flame will indicate that burner needs more air. If adjustment does not reduce yellow flame, problem is likely due to spider web. This particular pipe which is open at both ends, is often a favorite place for spiders to spin a web impeding air circulation to the burner. To remove a spider web in the tube or pipe, take a short length of ordinary clothesline or rope about a foot long. Fray one end so it spreads out about one inch. Push the frayed rope into the tube all the way to the other end and then remove it. This action should clear the obstruction.

The water heater must be drained if it is operated in temperatures below freezing. It can be safely used, however, even in subzero weather providing it remains lit.

Refer to Appliance Owner's Manual for service and warranty information.

Refer to "Winter Protection" for winterizing instructions.

V. WINTER PROTECTION

Each year more travelers discover winter camping. Some experts predict eventually year-round use of Recreational Vehicles will be enjoyed by all. With your new BORN FREE MotorCoach, you don't have to wait until then; you are ready now. The Coach is built with adequate insulation, ventilation, and construction practices that can keep you as warm in the winter as in the summer as long as the furnace is operating.

The only additional precautions necessary for you to take are to add anti-freeze to the holding tank and sink drains. The low cost ethylene glycol types which are used in automobiles are not recommended. These are poisonous, and are not approved for potable water systems.

If you choose to store your MotorCoach during the winter months and for periods in between use in that season, protection has to be provided for the water and drain systems. There are drain valves located under the kitchen sink and behind the bathroom unit wall. These are accessible by opening the narrow cabinet doors.

The water heater can be emptied by opening its drain valve and the pressure relief valve at the top of the tank to allow air to enter. During the draining process, the water pump switch has to be turned off and all hot and cold water faucets opened.

Bypass the water heater before flooding system with antifreeze by locating the back side of water heater (accessible through interior cabinet door). Two types of bypasses are used--one uses a piece of copper tube with brass elbows; the other uses two valves fastened to the back side of the water heater. To bypass water heater using the single copper tube and brass elbow, loosen both water lines, fix two elbows in water heater. Place copper tube and elbows to the brass flare nuts and tighten securely. Remember to check for leaks when pressurizing system with antifreeze. To bypass water heater using two valves, turn the square drive of valve one-half turn (opposite stop) to stop flow of water into water heater. Water now flows through copper tube at the side of the valve and bypasses water heater.

Proceed with winterizing.

Even though adequate drainage is provided, it does not always insure 100% positive protection. A low spot caused by the Coach not being quite level can retain enough water to freeze and burst a pipe. The water pump itself is difficult to protect unless it is removed from the Coach and traps on sink and shower drains are difficult to protect as they are not all accessible.

A new type antifreeze was developed several years ago which does provide positive protection down to 40 degrees below zero. This antifreeze is non-toxic and certified safe for use in potable water tanks and lines during storage. It can be quickly rinsed out when the Coach is ready to be used again. Several brands are available, and your BORN FREE dealer can service your MotorCoach with one of them for you. If you prefer to do the job yourself, he can sell you a product to use that includes complete instructions. We highly recommend the use of these antifreezes as their cost is only a fraction of a possible repair bill which could result from a freeze-up problem.

To help insure that when the first "shake-down" weekend rolls around this spring your RV will be ready to roll, too, we have compiled a few suggestions for "winterizing".

First, it is a good idea to place your RV on wood blocks (with weight distribution at three points) instead of trailer jacks--this should take the weight off tires and springs. The pressure in your tires should be decreased to 15-pounds and then wrapped either in plastic (black) or heavy sacking.

Unless you take particular care in removing water from your water lines, particularly the low spots (blowing compressed air is not recommended), you could have broken lines in spring. Hence, non-toxic water line antifreeze should be flushed through the fresh water system. Besides protecting, this method also lubricates plumbing components. Also, the sanitary system should be thoroughly cleaned and drained.

One-half cup of propolene base antifreeze should be added to sink, shower traps, and holding tank to prevent trapped water from freezing. Then in spring, fill your water tank and flush system several times.

Remove all bedding and clothing (tends to mold). Also remove food stuffs, and clean the cupboards. Affix newspapers to inside of windows with masking tape.

The refrigerator should be taken apart and thoroughly cleaned, and place an open package of baking soda inside leaving the door open. Clean stove, oven, and stove vents; close LP gas tank valves securely. Remove propane tanks and store in garage or dry place. Remove battery and store off concrete floor; charge once or twice during storage.

For chassis winterizing make sure the carburetor has burned off all the fuel, and drain fuel tank well. Spark plugs should be removed, and two ounces rust preventive oil added via plug opening into each cylinder. After replacing the plugs, tighten to 30 foot pounds. The valve covers should be removed, and then coat rocker arms, rocker arm shaft, valve springs, push rods, and valve stems with rust preventive oil. Check

for leaks in cooling system, and add antifreeze. The weight should be removed from your MotorCoach tires with jack stands or blocks. Check the lubricant level in the rear axle, steering system, and transmission.

During the winter months brush excessive snow from the roof of vehicle. A small amount of care in the fall is worth the trouble-free first "shake down" weekend in the spring--and you are ready to put your wheels in motion for a fun, carefree summer.

VI. TRAVEL TIPS

Here are some traveling tips to keep in mind when on the road. As you travel, you'll pick up more tips from other RV drivers.

Remember to check clearance. "Think high and wide". Save the top and sides of your MotorCoach.

Taste the water before filling the tanks in an unfamiliar location. Some water contains salt or has a sulphur taste.

Keep an eye on service station attendants. They may accidentally fill your water tanks with gas or vice versa.

Use manned toll gates--usually you will be charged one class more than a car. You do not have to stop at weigh stations unless specifically instructed to.

Showers can take a lot of water. Conserve by taking "sea showers". Wet down, then use the on/off button on the shower head. Turn the water on and rinse.

Have the oil checked every time you fill with gas.

Check the wheel lugs and radiator water level every day before you start out.

Keep an eye on the water tank level and the holding tank level. It is a good idea to dump the holding tank at least every two days.

Do not leave food, or odor-causing material in your vehicle for extensive periods of time. Dry damp clothing, hunting gear, etc., before putting it away.

A fire extinguisher can prevent serious consequences of a fire. Make sure it is always charged. Remove and replace it so you are familiar with its operation before an emergency.

Conduct a tour of your vehicle before you leave. Be sure all compartment doors are closed and locked, the step is up, cabinet doors closed, and the refrigerator doors secured tightly. It is a good idea to secure the medicine cabinet sliding mirrors. Vibration will work the mirrors open and objects falling may mar the finish on the sink or damage the floor. Check objects on the dinette table and sink area. An unexpected stop can send objects flying.

When you sit over the front wheels, you may have a tendency to crowd to the middle of the road. Check your rear view mirror frequently to check on how close you are driving toward the center line.

Dump sewage only at approved dumping stations.

When traveling with children, it is helpful to plan their wardrobe for a week. Place each day's clothing in a plastic bag, and label the name and day on the bag.

Plastic containers with tight fitting caps should be used for storing liquids.

During peak tour seasons and holidays, it is better to phone ahead and make reservations at the park where you plan to stop.

Travelers find sleeping bags save work. In cold climates they take less space, and are warmer than blankets.

You will be the center of attention when you travel. Watch out for drivers who tend to get curious about your vehicle. They almost drive aboard for a closer look.

Some states will not allow you to pass through highway tunnels with LP gas aboard your vehicle. If your route includes a tunnel, check with the Highway Patrol or the Department of Highways before venturing forth.

When fogging appears on the windows, there is an excessive amount of humidity inside the vehicle. In extreme cold weather this can become frost or even ice. Remove the excess moist air by opening a window or roof vent. Operating power vents will also help.

In starting out on a trip, several things should be taken in addition to the basic clothes, food, and recreational items. Some basic emergency items are:

Flashlight
First Aid Kit
Road Emergency Flares
Tool Box with assortment of hand tools
Plastic Bucket

Tow Chain or Rope
Wheel Blocks for leveling, or extra jacks
Water Hose
100 -150 feet of Electrical Cord with at least 30 amp capacity
Fire Extinguisher
Hydraulic Jack and Lug Wrench
Spare Tire

VII. DRIVING TIPS

Your new BORN FREE will drive very much like your "own family" car. The truck chassis that carries the Coach is equipped with all of the same deluxe and custom features. The main differences in handling will come from an increase in weight, width, height, and length. All of these differences will become second nature to you in just a few miles of driving.

You will be able to drive your BORN FREE at turnpike speeds, just as you do your car; but it will take longer to reach that speed. You will slow down more when climbing a hill or mountain because of the added weight. When you pass another vehicle on the highway, allow yourself more time and room for overtaking and cutting back in. You are also now a little wider, and will have to allow for that, too, when maneuvering in a tight place.

When backing up, have your co-pilot get out and walk with the Coach as it moves. The best place for them is at the left rear where you can observe their signals in your mirror as they walk along and direct your movements.

You are not likely to forget about your heavier weight, width, or length as the actual driving feel will remind you. However, there is one new dimension you will have to constantly remind yourself of--height. You are almost 10 feet tall, and if you have a roof air conditioner; over 10 feet. Always be on the lookout for low hanging branches on trees and for low building canopies. While most buildings will be high enough, there are some that you will have to avoid.

If you travel with a friend who also owns a Recreational Vehicle, don't bunch up on the highway. Leave an interval so other motorists can get around you easily. If you find that in proceeding up a long incline a long string of cars has gathered behind you, pull off the road at the first safe place to allow them to pass.

When traveling a longer distance, don't get overtired. Stop for a coffee break at least once during the morning, and again in mid-afternoon. Here is an example of one of the best reasons for owning your BORN FREE. You can park at any rest area, and make a pot of coffee or get a soft drink from the refrigerator; and don't send the wife back to the fridge to

get it for you--you need to stop and get out and stretch your legs. In a MotorCoach like your BORN FREE with all facilities accessible to you as you roll down the highway, some people try to cook or prepare food while in transit. There are even some companies that manufacture and sell brackets for your stove to hold the pans in place for cooking. DO NOT ENGAGE IN ANY SUCH PRACTICES AS THEY ARE EXTREMELY DANGEROUS! Not only is there a tremendous fire hazard, but all persons should remain seated while in motion; getting up and moving around only when absolutely necessary. If the driver is called upon to put on his brakes quickly, a person standing will be thrown around and is almost certain to be injured.

The experienced traveler learns to "walk his rig" at every stop. It takes but a minute to make a trip all the way around looking at the complete unit. Be sure that all caps are in place, access doors secure, and tires are well inflated. The duals should be kicked or hit with an object like a tire iron to be sure that neither of them has become flat. An uninflated dual will move around on the rim causing an excessive heat build-up or even possibly a fire. One soon learns after acquiring this habit that he will drive with a more comfortable state of mind afterward.

VIII. TRAILER HITCH AND ELECTRICAL CONNECTOR:

Whenever a MotorCoach is used for towing, the following limitations must be followed:

1. The towing hitch on the BORN FREE is NOT class rated.
2. The Gross Combination Weight (GCW) must not exceed the Gross Vehicle Weight (GVW) unless the trailing vehicle is equipped with adequate brakes.
3. Trailers weighing in excess of 1,000 pounds require trailer brakes. Trailer brakes are also required whenever Gross Combination Weight exceeds the Gross Vehicle Weight of the MotorCoach.

Gross Combination Weight equals the total weight of fully equipped MotorCoach and trailer with cargo, driver, passengers, etc.

Do not restrict air flow through the radiator grille area by mounting a trail bike, spare tire, etc., to the front of the MotorCoach.

CAUTION: Installation of a frame-type equalization hitch on a MotorCoach is not recommended. Your MotorCoach must be equipped with an auxiliary transmission oil cooler when used for towing operations.

TRAILER LIGHT CONNECTION