

## CHECK LIST

## SUGGESTED ITEMS FOR SUPPLYING YOUR COACH

1. A tire gauge that registers to 100 pounds.
2. Water pressure regulator for your water hose.
3. Two 25 foot sections of good water hose.
4. A 50 foot, or two 25 foot sections of either no. 10, or no. 12 gauge 3 wire heavy duty extension cord.
5. A three way to two way cheater ground electric plug.
6. Two or three quarts of your motor oil brand that you use.
7. A quart of transmission fluid.
8. Blocks for leveling your coach. Pieces of 2x8 or 2x10's.
9. Circular leveling bubble.
10. Emergency road reflectors.
11. Road Atlas.
12. Campground guides.
13. Laundry detergent.
14. Soap for showering.
15. Dish towels and dish cloths.
16. Bath towels and wash cloths.
17. Special toilet paper such as Aqua Soft tissue by Thetford.
18. Shaving supplies.
19. Women's toiletries.
20. Groceries - canned goods, coffee, tea, milk, butter, meat, salt, pepper, sugar, bread, cereals, sandwich materials, soft drinks, etc.
21. Bedding.
22. Rain gear. Raincoats, umbrellas, and overshoes.
23. Clothing to suit your needs.
24. Paper plates, paper cups, drinking straws, dishware such as Melmac, knives, forks, spoons, coffee pot (possibly electric), fry pan (possibly electric), cooking pans, paper towels, paper napkins, small plastic garbage bags, can opener, bottle opener, etc.
25. Good flashlight.
26. Two or three pieces of half inch foam rubber pads a foot square.
27. Small garbage can.
28. Small portable clothes hamper.
29. Wooden kitchen matches.
30. Small plastic pan to use in kitchen sink.
31. Chemical for toilet such as Aqua-Kem.
32. Mat for foot wiper for side door.
33. Throw rugs such as rag rugs that can be washed for aisle and area over motor.
34. Covering for seats such as bath towels.

## CHECK LIST

### WHEN STOPPING FOR THE NIGHT

1. Level the coach.
2. Hook up your electric service.
3. Turn your refrigerator to 110 volt controls.
4. Hook up your water supply.
5. Hook up your sewer service.
6. Set the awnings to the desired position.
7. Be sure that your emergency brake is pulled on.
8. Pull step to middle door out.

### BEFORE DRIVING AWAY AFTER BEING PARKED OVERNIGHT

1. Disconnect and replace your electric line in the coach.
2. Disconnect and replace your sewer hose in the coach.
3. Close window awnings and secure in place.
4. Drive off leveling blocks and place them back in the coach.
5. Check engine oil.
6. Check tire pressure.
7. Close bathroom ceiling vent.
8. Secure and lock refrigerator door.
9. Turn off electric switch to the hot water heater.
10. Disconnect water hose and replace in the coach.
11. Push side door step in. DO NOT leave your step out.
12. Set refrigerator to 12v or low voltage.
13. Fasten mirror in the shower against the wall.
14. Securely fasten wash basin. (Fold-up model)
15. Turn off gas furnace if it was in use.
16. Turn off water pump switch.
17. Check radiator fluid level in the expansion over flow tank.
18. Lock middle or side door.
19. Check and reset if necessary outside rear view mirrors.



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## DOOR LOCKS:

The side door locks from the outside with a key. (This is the same key that is the ignition key.) The side door is also unlocked with the key from the outside. The side door locks from the inside with a button located at the bottom of the door window that pushes down to lock the door and pulls up to unlock the door. The door can be unlocked with the key from the outside if the button is down.

Both front doors can be locked from the inside by pushing the door handles down. The key will not unlock the front doors from the outside if the inside door handles are pushed down. Both front doors can be locked or unlocked from the outside with the key if the inside door handles have not been pushed down. Both front doors cannot be opened from the inside if they have been locked from the outside with the key.

## LOCKING GASOLINE TANK CAP:

The gasoline tank cap is a locking type that requires a key to remove the cap in order to put gasoline in the gasoline tank. To remove the cap, use the key marked "GAS". The cap is replaced by pushing the cap on the neck until it is firmly latched. Check the cap by pulling the cap toward you to be sure that the cap is secure.

## GASOLINE:

The coach uses regular gasoline. Do not use unleaded or high test gasoline. CAUTION: Because of a flat neck to the gasoline tank, the flow of gasoline from the gasoline pump has to be fairly slow so that the gasoline will not flow back and spill out on the ground. There is an air vent in the tank that will gurgle when the tank is full. Do not try to overfill as it will slosh out and cause a gasoline odor inside of the coach until the gasoline level has dropped out of the filler neck.

## INDIVIDUAL WINDOW AWNINGS:

To lower an awning, take a hold of the arm on each side of the awning, just above the notched brackets and pull each arm toward the center so as to clear the arms from the slots in the brackets and gently pull the arms downward and toward you to the desired setting you wish for the awning. Push the arms into slots in the brackets to hold the awning in the desired position.

To raise the awning, pull each arm toward the center so that the arms will clear the slots in the brackets and slowly push the awning upward to its raised position. Then push the arms into the slots in the brackets to secure the awning in its raised, or rolled up position. NOTE: The wind will get into the awnings if they are not rolled up properly and the arms secured into the slots in the brackets.

## GENERATOR AND BATTERY COMPARTMENT:

Two large thumb screws are used to hold the ventilated door in place over the generator and battery compartment. Unscrew these thumb screws and raise the cover up against the coach body. An arm at the top of the compartment can be pulled out and turned up against the raised cover to hold the cover up. To



check the oil level on the generator, unscrew the cap on the oil filler neck. The cap contains the gauge for checking the oil level. NOTE: Do not check the oil level while the generator is running. Check the oil level once a day. Use straight 30W heavy duty detergent motor oil. Do not use multi-viscosity oil, ie. 10W-30W type motor oil.

The water level in the batteries should be checked once a week. There is a lever at the bottom of the tray that the batteries are on that can be released and this allows the tray to be pulled out so that the water level in the batteries can be checked. Please use only distilled or battery water. Pushing the battery tray back in, be sure to push the tray in until the lever latches. Pull on the tray to check to be sure that the latch is securely in place. When closing the door to the generator and batteries compartment, be sure to turn the arm holding the cover up down and place in the bracket for it. Then lower the door and turn the thumb screws in to secure the door in place.

#### SPARE TIRE:

To remove the spare tire, take the cover off. Use the lug wrench to take the lug nut off. Then pull the wheel toward you and downward slowly so that the wheel rests against the body of the coach in the lowered position. Then using the lug wrench, remove the two lug nuts holding the wheel onto the bracket. Then tilt and lift the wheel out of the bracket.

To remount the spare, tilt the wheel (the outside of the wheel facing you) back through the bracket. Replace the two lug nuts and tighten them with the lug wrench. Pull the wheel towards you and push upward until the wheel is against the coach in the raised position. Replace the lug nut and tighten the nut with the lug wrench. Replace the tire cover.

#### WATER SUPPLY:

To fill the water supply tank, lift the clamp on the plastic drawer and pull the drawer out. (approximately two inches) Insert water hose and fill slowly until water runs out of the drawer. The water tank holds approximately 38 gallons. If you are staying in campgrounds each night, I suggest carrying only about a half of a tank of water. There is no reason to pay and use gasoline to haul extra water around if you are not going to be needing and using it.

If you are parked, as in a campground, and you have a water supply present, you can couple the water hose up to the threaded hose connector. This bypasses the water supply tank and water pump so that you do not have to use the water pump when you need water. The water supply is then direct. CAUTION & NOTE: Be sure to use a water pressure regulator at the faucet to protect your water hose and the plumbing in the coach from excessive water pressure that exists on some water supplies.

#### PROPANE GAS SUPPLY AND OUTSIDE ELECTRICAL SUPPLY CABLE:

Two thumb screws hold the door to this compartment closed. Unscrew these two thumb screws to get inside of this compartment. The propane gas bottle, or tank, is approximately six gallons or 38 pounds in size. There is a gauge on the side of the propane gas tank that can be checked for the amount of propane in the tank. To fill the propane tank, the knob to the supply line to the coach must be turned off before anyone is allowed to fill the tank. It is recommended that the propane gas tank be filled at a metered pump and only a little over



three quarters full. An experienced person in filling propane gas tanks will have no problems. I recommend that the tank be filled only by experienced persons. There is a bleeder valve on the tank that is used by an experienced person filling the gas tank to tell him when the tank is properly filled.

The power cord is a 50 amp service cord that is plugged into a box for traveling on the road and when the generator is being used. When line voltage is to be used, this cable must be unplugged and plugged into the 15 amp three prong adapter and then plugged into the outside extension cord or electric line. There is a red light on the side of the coach by the compartment door that should never stay on. This is a polarity tester light and if this light comes on, unplug the cable immediately to prevent you from possible electrical shock from the all metal coach by an improperly grounded electrical supply. If you encounter a 30 amp service, use the 30 amp convertor plug to plug the 50 amp adapter plug into. NOTE & CAUTION: Never use an extension cord of 14 or 16 gauge. Use a 12 or 10 gauge extension cord. When getting ready to leave an area, unplug the large cable and plug back in the box. Remove the extension cord and the adapter and place back in the coach. Close the door to the compartment and secure the door with the thumb screws.

#### HOLDING TANK AND DUMP VALVE:

The holding tank holds approximately 38 gallons. Do not run water at the sink or shower with the gate valve closed. The water will back up in the shower pan. Always keep the outside twist cap turned on tightly. With the outside cap on tight, the gate valve can be opened to let the sink and shower water drain into the holding tank. Be sure to close the gate valve tightly before any attempt is made to dump the holding tank. When the gate valve is tightly closed, hold a pail, or pan, under the drain and remove the cap slowly letting the water drain into your container. When the cap is removed, then connect the sewer hose to the drain and turn the connector until it is on tight. Place the other end of the sewer hose into the drain. Then pull the gate valve open to allow the holding tank to drain. While the sewer hose is hooked up this way, you can use your sink and shower as the water from these units will drain directly into the sewer hose.

When preparing to leave an area, close the gate valve securely. Remove the sewer hose and place the cap back on the drain securely. Flush the sewer hose out with fresh water and let drain for a couple of minutes. Then return the sewer hose to the storage compartment in the coach.

#### RADIATOR AND WINDSHIELD WASHER SUPPLY:

The radiator can be checked only by the expansion tank. Water can be added to the radiator only by the expansion tank.

The windshield washer supply bottle is in the same location as the expansion tank for the radiator. This area is behind the top section of the grill on the driver's side. This section of the grill is removed by pressing the buttons on each corner of the grill until they release. In replacing the grill, each button is pressed in until it catches. Check the grill by pulling out on it lightly to insure that the grill is secured.

#### CHANGING A TIRE:

A special hydraulic jack is used to jack up the coach. There are special jacking points by each wheel that are used to jack up the coach. NOTE: After a



wheel has been changed, the lug nuts should be checked and retightened every 100 miles to insure you that the lug nuts have not worked loose. If a service station or service truck changes the wheel for you, the lug nuts should be torqued to 200 pounds.

#### TIRE PRESSURE:

The tire pressure is checked when the tires are cold and before any driving is done. The tire pressure is 65 pounds.

#### CLUNKING NOISE IN FRONT END WHEN TURNING SHARP CORNERS:

In turning sharp corners, especially when starting out after periods of being parked, the constant velocity universal joints on the front wheels will knock or clunk. This is a characteristic noise of this front wheel drive and does no harm except to alarm you and make you nervous.

#### KEEPING THE COACH ON SOLID SURFACES:

Due to the weight of the coach (approximately 11,000 lbs), the single tires and front wheel drive, it is very wisely recommended that you keep the coach on solid ground, and on paved surfaces. Soft surfaces will cause the coach to become immobile with great ease. Slippery surfaces, such as wet dirt roads or wet slippery highways will cause loss of traction with the front wheel drive very suddenly. This is a front wheel drive coach. There are only trailing arms with coil springs and shocks on each of the rear wheels. There is no axle in the rear of this coach. This gives you individual coil suspension on the rear wheels and torsion bar suspension on the front wheels.

#### THE WASH BASIN AND SHOWER:

The wash bowl is used by lowering it into the horizontal position. The shower head can be placed on the pin by the basin. To empty the basin, raise the basin until the water drains out. This basin can be left down when traveling, if so desired. When putting the wash basin up in its vertical position, be sure that the bolt that holds the wash basin up is solidly in place so that it cannot work loose and let the wash basin come down while you are traveling.

The mirror in the shower can be moved to any position desired. This mirror must be placed back in the brackets provided for it to hold the mirror in place when traveling.

#### TOILET PAPER AND HOLDER:

The toilet paper is kept on a holder in the small storage door at the bottom of the long door for bath supplies, medicine and whatever other storage of articles you may desire to use this area for. NOTE: Use only the special Thetford toilet paper as any other toilet paper will clog and damage the Thetford Aqua-Magic recirculating toilet. This special Thetford toilet paper is a special type of toilet paper that dissolves after it becomes wet.



#### OPERATION OF RECIRCULATING TOILET:

To flush the toilet, press the button on the back of the toilet. The toilet flushes for approximately six seconds.

Watch the gauge on the front of the toilet. When the level reaches near the top of the gauge, you must plan on emptying the toilet as soon as possible. Be sure that your gate valve to the holding tank is securely closed. Put a pan or pail under the cap to the holding tank and remove the cap slowly letting the water drain into your container. Secure the sewer hose properly on the end of the drain and put the other end of the sewer hose into the sewer line. Open the gate valve. Now pull the gate valve on the bottom of the toilet out to let the toilet drain out. Close the gate valve on the bottom of the toilet after it has drained out. Pull the water hose in through the window and place the end in the toilet bowl, holding onto the end of the hose so that it will not force itself out of the bowl when the water is turned on. Fill the toilet to the full mark and then flush the toilet two or three times. Then pull the gate valve at the bottom of the toilet to empty the toilet again. After the toilet is empty, close the gate valve to the toilet again, pushing in firmly to be sure that the gate is secure. Then fill the toilet to the line indicated on the bottom of the gauge. Pour in the required amount of toilet deodorant and flush the toilet once to mix the deodorant and water. The toilet is now ready to be used again. The toilet can be used approximately 80 times before it has to be emptied and recharged for further use. Be sure to close your gate valve to the holding tank securely. Then remove the sewer hose and replace the end cap on the drain securely. Flush the sewer hose out with clean water and drain for a couple of minutes. Then replace the sewer hose back in the storage compartment in the coach.

There is a switch on the wall behind the toilet for a vent fan above the rear window.

#### RATTLING AND VIBRATING SLIDING CABINET DOORS:

To keep the sliding doors to the overhead cabinets from vibrating and rattling, fold paper hankies up and slide between the edges of the doors.

#### FURNACE:

NOTE: The thermostat must be kept turned all of the way down when the furnace is not in use. If the thermostat is not turned all of the way down, the blower will come on if the coach cools off to the setting of the thermostat, even though the furnace is not on.

To light the furnace, remove the large drawer under the gas range and turn the gas supply to the furnace on. Replace the drawer. Turn the thermostat up. Open the door to the furnace which is under the refrigerator. Open the small metal door to the furnace. Hold the reset button in and push the spark igniter button. This spark button will have to be pushed several times, allowing a few seconds between each pushing of the spark button, until the gas ignites. Close the metal door to the furnace. Close the wooden door to the furnace. Set the thermostat to the desired setting and the furnace is now operational. Usually a setting of about 65 degrees is satisfactory in the coach.

To turn the furnace off, turn the thermostat all of the way down. Remove the large drawer under the gas range. Turn the gas supply valve to the furnace off. Replace the large drawer.



## REFRIGERATOR:

To operate the refrigerator on 110 volt supply, (line voltage or generator), turn the 110 volt selector knob to the 110 volt position and set the electric coldness dial to the desired temperature setting.

To operate the refrigerator on 12 volt, turn the electric selector knob to low voltage position and set the electric coldness dial to the desired temperature setting.

To operate the refrigerator on gas, turn the electric control selector off and turn the gas selector control on. Hold both the red and the black buttons on to ignite the pilot light. After the pilot light lights, continue to hold these two buttons in for several more seconds to insure that the pilot light will stay on. Keep checking the pilot through the peep window until the pilot light stays on permanently. Set the temperature control for the gas portion of the refrigerator for the desired temperature.

To turn the gas portion of the refrigerator off, turn the gas knob to the off position and turn the electric control switch to either the 110 volt setting or the low voltage setting. Whichever is desired. I use the 12 volt or low volt setting when driving.

## INSTRUMENT PANEL OVER THE REFRIGERATOR:

Keep the water pump switch off at all times except when water pressure is needed. One way turns the water pump on. The other way indicates the amount of water left in the water supply tank located under the left rear seating and sleeping area. Once in a while, the water pump will stick and not pump. When this happens, remove the left rear cushion and remove the wooden panel at the back of the area so that you can gain accessibility to the water pump. Tap the water pump lightly until it starts working.

The main electrical circuit breakers and the coach are located at the front end of this same section. The circuit breakers are accessed by removing the wooden panel over the circuit breaker section.

The battery condition gauge shows the level of charge of the house, (the two six volt batteries) and registers at all times.

The charge meter shows the rate of charge for either the generator or the 110 volt line supply.

The generator start and stop switch is held in the start position until the generator is running. It is held in the stop position until the generator is completely stopped.

The electric clock uses a "C" cell flashlight battery.

## GAS RANGE:

I operate the burners on the gas range by lighting a match and holding it at the base of the burner and turn the gas supply on. I have never used the pilot light feature.

To operate the oven, see the manual for the gas range.

## HOT WATER HEATER:

The hot water heater located under the sink area is heated while driving by a heat exchanger from the motor and by electric from the generator or 110 volt line source when not driving. The electric switch is located on the wall at the end of the counter and sink area. Be sure that this switch is off at all times



when you are not using electricity to heat your water. Be sure that you have water in the heater at all times when you use the electric feature to heat your water. The heating element will burn out immediately when turned on if you do not have water in the heater.

#### DINETTE:

To remove the dinette table, press the lever at the top of the table leg and fold the leg inward and upward to the bottom of the table. Lift the edge of the table nearest you up to about a 45 degree angle. Then lift up on the table edge against the wall to remove the table from the rail on the wall of the coach.

To replace the dinette table, hold the edge nearest you up to about a 45 degree angle and place the edge of the table the furthest away from you over the rail on the side of the coach until you feel the end of the table fit over the rail. Press the lever on the top of the table leg and lower the table leg downward and towards you until the table leg locks into place. Then lower the table slowly until the table leg rests on the floor.

Both dinette seats can be adjusted backwards or forwards by pushing a lever on the bottom of the seat and moving the seat to the desired position.

To turn the front seat over so that it can be used as a dinette seat, locate the pull cable handle on the bottom of the front seat. Take a hold of the back of the seat and pull forward. At the same time, pull the cable handle to release the seat lock and pull up on the seat bottom. When both the bottom of the seat and the back feel free and the whole seat can be rocked, the whole seat can now be flipped over. When you have the seat flipped over, slowly work the bottom and back of the seat until the whole seat seats into its new position. Now release the cable and work the seat slightly until the seat latches into position.

#### MAKING THE DINETTE INTO A DOUBLE BED:

To make a bed out of the dinette section, remove the table following the instructions for removing the table. I lean the table against the dash when the dinette area is to be made up for sleeping. Take a hold of the cable handle with one hand and the back of the seat with the other hand, pull up on both sections at the same time releasing the seat from its locked position. Then work both sections of the seat slowly and letting the back of the seat down until it lays flat. Let the other section of the seat down so that it also lays flat. Repeat this operation for the other seat. Using the levers to allow the seats to be moved backwards or forwards, move the two seats together so that they become a solid bed. You are now ready to make up your double bed.

The drapes at the back of both front doors are pulled around to the center of the windshield for night time privacy. The other drapes are pulled across each of the other window sections.

I stack the bolsters on the back seating sections on the driver's seat to allow more room on the twin beds for sleeping.

#### CEILING LIGHTS:

The ceiling lights have individual switches on each light as well as the switch on the wall by the middle door or on the panel above and at the left of the driver's area. Each light under the ceiling cabinets is controlled by its own switch. The lights over the driver's and passenger's area are activated by



either of the front doors when they are opened or by a switch located above and at the left of the driver's area.

#### WATER PURIFIER:

There is a water purifier under the sink for the cold water at the sink only. Filter should be changed periodically.

#### FIRE EXTINGUISHER:

The fire extinguisher is located on the floor behind the driver's seat.

#### EXTENSION LEAF ON COUNTER:

For more counter room, there is an extension leaf by the sink area that can be raised. There is a handle on the bottom of the driver's seat that can be turned and pulled out so that the back of the driver's seat can be pushed forward towards the steering wheel. This allows room for the extension leaf to be raised. When the extension leaf is put down and the back of the seat is pulled back into position, be sure to push the lever at the bottom of the seat in and turn the handle to secure the seat back in position.

#### DRIVER'S SEAT:

The driver's seat has six-way power adjustment for the driver's comfort.

#### STEERING WHEEL:

The steering wheel tilts up and down by lifting a lever under the turn signal lever and moving the steering wheel up or down to the proper position for the driver's comfort.

#### 110 VOLT ROOF AIR CONDITIONER:

Be sure that the roof air conditioner is turned off before starting the generator. This allows the generator to start under no load and allows the air conditioner to start with full power. Check the 110 line voltage before using the 110 volt roof air conditioner to be sure that the voltage is not low. Low voltage will burn the air conditioner motor out.

Be sure to turn the roof air conditioner off before stopping the generator.

#### HORNS:

The coach has air horns located ahead of the right front wheel. They are very sharp and will scare any one riding in the passenger's area until they become accustomed to hearing them.



## CRUISE CONTROL:

A switch on the dash must be turned on before the cruise control can be operated. Then when the desired speed is reached, push a button on the end of the turn signal lever in and slowly let up on the accelerator pedal. A touch of the brake pedal turns the cruise control off, or the switch on the dash can be turned off and this will take you out of cruise control. Any time that the cruise control is turned off, either by using the brake pedal, or the switch on the dash, you must reset the button in the end of the turn signal lever to set your cruise control into operation again. If you wish to accelerate as in wanting to pass someone, just accelerate as you normally would. When you are ready to return to your desired speed that you have your cruise control set to, just remove your foot from the accelerator pedal and the cruise control will take over again when you have returned to your speed setting.

## AUTOMOTIVE AIR CONDITIONING:

The controls for the automotive air conditioning are located on the panel above and to the left of the driver's area. There is a knob for the temperature control. There are two switches to control the three speeds of the fan and to turn the air conditioner on and off. The louvers across the front of the air conditioner unit are adjustable up and down and to the right and left for desired air control.

## DASH:

The headlight switch on the top left area of the dash also turns to adjust the amount of light wanted on the dash at night.

The headlight dimmer switch is on the floor and to the left of the steering column.

The windshield wiper switch is under the light switch and is a two position switch for slow or fast movement of the windshield wiper blades.

The windshield washer button is located on the bottom of the dash and to the left of the steering column.

There are four buttons for the heater, defroster, air, and temperature control. These buttons are on the right section of the dash. The heater fan button turns for two speeds of the heater fan as well as off. The defroster fan button turns for two speeds of the defroster fan as well as off. The temperature control button pulls out and pushes in to open and close the fresh air intake located above and ahead of the radiator on the outside of the coach. Be sure to have the outside air intake button and the temperature control button pushed all of the way in when you are operating the automotive air conditioner.

## SUN VISORS:

To move either sun visor up or down, remove the sun visor from the bracket in the center of the windshield and move the visor in towards you, so as to clear the inside rear view mirror, turn the visor up or down and then turn the visor back in to the windshield and fasten the end of the sun visor back into its bracket to hold the visor in place.

## ENGINE OIL:

To check the engine oil, raise the small section of the floor by the



driver's seat and lift it towards the dash. There is a recessed handle in the floor that you pull up on to release the floor latch. Both the engine oil and transmission oil sticks are located on the left of the motor by the driver's right side.

If engine oil has to be added, the dinette table has to be removed following the procedure described previously. The front passenger's seat has to be flipped over also. There are two pins located at the front of the seat and on the floor that holds the seat frame in place. Pull these two pins out and push the seat and frame towards the back seat until the frame is in a vertical position. Lift up on the recessed handle to release the floor latch. Lift the floor up and towards the dash. The oil filler pipe is on the right front area of the motor. Use a 10W/40W oil, Pennzoil heavy duty. Be sure to replace oil filler pipe cap when oil has been added. Put the large floor section back down. You will have to step on the floor by the recessed handle to relatch the floor securely. Turn the seat and frame back down, making sure that the seat frame seats back into the slots on the floor. Replace the pins to secure the seat frame properly. Put the smaller section of the floor down, stepping on it by the recessed handle to make sure that the floor is securely in place. It is a rude awakening to have the floor raise up and let the heat and noise from the motor come up at you.

#### GAUGES FOR PROPANE LEVEL:

Besides being able to check the propane level by the gauge on the propane tank itself, it can be checked from the driver's seat. There is a switch on the bottom of the dash and to the left of the driver's area. Hold this switch down until the needle on the gasoline gauge stops moving. This will then tell you the amount of propane left in the propane tank.

#### GENERATOR START - STOP SWITCH ON DASH:

The generator can be started or stopped from the driver's seat. The switch is located on the bottom of the dash and to the left of the driver's area. Be sure that the 110 volt roof air conditioner is turned off before starting or stopping the generator. Hold the switch up until the generator is running. Hold the switch down until the generator has completely stopped.

#### ADDITIONAL BATTERY POWER FOR STARTING ENGINE:

There is a third switch located on the bottom of the dash and to the left of the driver's area. This switch is held down when additional power from the batteries is needed to start the engine. This switch couples the six volt house batteries to the 12 volt chassis battery to give the additional power needed at times to start the engine.

#### RADIO AND TAPE PLAYER:

The radio is a Lear-Audio sound system with Panasonic speakers. It is an AM-FM radio and tape player. There is a slot in the front of the radio to insert your tapes. Small push buttons that are labeled control the AM or FM setting and to turn the radio on or off. The left knob controls the volume and the tone. The right knob tunes your station and controls the balance of the speakers to the left or right.



#### PARKING BRAKE:

The parking brake is located under the dash and to the left of the driver's area by the left door. It operates very hard. It is pulled up to put the emergency brake on and pushed down to take the emergency brake off. CAUTION: Be sure to put the emergency brake on before putting the shifting lever into the park position. Be sure to move the shifting lever into its neutral position before taking or releasing the emergency off.

#### DRIVING SUGGESTION:

On hard pulls on hills, I suggest the moving of the shifting lever into the second range instead of lugging the motor and trying to keep up your speed with the accelerator pedal. This is a very heavy coach weighing close to 11,000 pounds and you cannot maintain speed with this coach as you can with an automobile.

In descending hills, I recommend using the lower range instead of using your brakes. If you find that you are having to use your brakes considerably even when using the second range, brake down to 25 mph and shift your transmission into low range. NOTE: Do not try to shift into the low range above 25 mph. The weight and force of the coach above 25 mph will blow the seals out on the transmission and cause transmission failure. Always use your transmission instead of your brakes in going down hills. Granted, you do not go down hills nearly as fast, but with a heavy coach it is by far much safer to go down hills slower using your transmission instead of your brakes. Getting to your destination safely is certainly your goal.

#### LEVELING YOUR COACH:

In order for the gas absorption type refrigerator to work properly, it must be level when you are parked. To do this, you must level the coach. To do this, place a bubble level on the counter at the front of the sink area. Then place blocks or block in front of the wheel or wheels that need to be raised in order to put the coach in a level parked position. Then drive the coach up onto the blocks. Any place inside of the circle of the bubble level will indicate that the coach is in a level enough position so that the refrigerator will operate properly. NOTE: If the refrigerator is operated in an unlevel position, the refrigerator will become vapor locked and will not work any more. The refrigerator then has to be removed from the coach and turned upside down to remove the vapor lock.

#### BATHROOM VENT:

Be sure that the bathroom vent is closed before driving.

#### LOCK REFRIGERATOR:

Be sure that the refrigerator is locked by screwing the thumb screw on the chain at the top of the refrigerator in before you do any driving. It is very embarrassing to have the refrigerator door come open and have your food come out on the floor of the coach.



#### EMERGENCY 4-WAY FLASHER:

The emergency 4-way flasher is operated by pushing the button on the right hand side of the steering column in to turn the flashers on and pulling the button out to turn the flashers off.

#### VEHICLE FUSE PANEL:

The vehicle fuse panel is located by removing a cover ahead of your left foot position.

#### DOOR STEP:

The center door step is pulled out by lifting up and pulling out on the step until it drops into place.

To return the step back under the coach, lift up on the step and push in until the step drops into place and is secured. NOTE: Be sure that the step is not out when driving. In the out position the step can do a mighty fine job of clipping off curbs, fire hydrants or anything else that comes in line with the step if it is out and you are driving.

#### VALVE LIFTER CLATTER:

Every 1,000 miles add a half pint of automotive transmission fluid to the crank case oil. If the valve lifter should start clattering before you have driven a 1,000 miles, add another half pint of automotive transmission fluid to the crank case oil. There is a valve lifter that is very sensitive and transmission fluid added to the crank case oil regularly keeps this lifter working and not clattering.

#### CHANGING THE WATER PURIFIER FILTER:

Be sure that the water pump is turned off. Remove both drawers under the sink. Turn the "T" handle counter clock-wise until it is removed. Remove the ring clamp from the outside case. Let the outside case down to the area under the purifier. Then reach in and turn the water purifier cartridge counter clock-wise until the cartridge drops into the outer case. The case and cartridge can now be removed. To replace the cartridge, place the cartridge in the metal case. Place the cartridge and case under the top of the unit. Raise the cartridge to the top of the unit and turn the cartridge clock-wise into the top of the unit until the cartridge is firmly turned into the top of the unit. Work the rubber gasket up over the outside of the metal case and fit onto flange on top of metal case. Raise the outside case up, being careful to keep the rubber gasket in place and work the ring clamp over the flange of the outside case and the top of the unit. Bring the ring clamp together so that you can turn the "T" handle on to the screw of the ring clamp. Turn the "T" handle clock-wise until the ring clamp is very tight. Then turn on the water supply and check around the ring clamp for any leaks. Tighten the clamp further until unit stops leaking.



## WINTERIZING THE DOMESTIC WATER SYSTEM

1. Remove the left rear lounge cushion.
2. Remove the cover over the water supply area.
3. Open the two valves with blue handles on them.
4. Open the bottom door of the medicine cabinet where the toilet paper holder is located.
5. Open the two pet cock valves located on the floor under the toilet paper holder.
6. Open the hot and cold water valves for the shower.
7. Open the hot and cold water valves at the sink.
8. Remove bottom cover with heater vent in it located at the step area.
9. Open the pet cock on the floor.
10. Remove handle to water purifier.
11. Drop outside case as far as possible.
12. Reach in and turn filter to the left until it is free.
13. Put some permanent antifreeze in the drain in the sink, the bottom of the shower pan, and where the wash basin empties.
14. Put what antifreeze you feel is necessary in the recirculating toilet after it has been emptied. I used a gallon of permanent antifreeze with enough water to bring the recharge level of the toilet to its required recharge level. Also using the required amount of toilet chemical. This will allow you to use the toilet during the winter months with out it freezing up.



## READYING THE WATER SYSTEM FOR USE

1. Close the pet cocks at the bottom of the medicine cabinet under the toilet paper holder.
2. Close the valves to the shower.
3. Close the pet cock to the hot water heater under the sink.
4. Close the valves to the sinks. The hot and cold water.
5. Close the two valves with blue handles at the water supply under the left rear seat.
6. Replace the water filter under sink by dropping the filter into the outside casing, screwing the filter cartridge up into the top of the filter housing. Replace the clamp and tighten up very tight.
7. Place water hose on the bypass line to water tank. This will fill the hot water heater.
8. Open the shower and sink lines to let the air out of the lines and to fill the water filter. This should take all of the air out of the lines and give you a chance to check the water purifier for leaks.
9. Now place hose in filler spout for water supply tank and fill tank.
10. Turn pump on and run water through all cold and hot lines again to be sure all air is out of lines. Also, this will allow the pump to build up pressure when all valves are closed and shut off. If pump does not shut off, there is a water leak someplace.