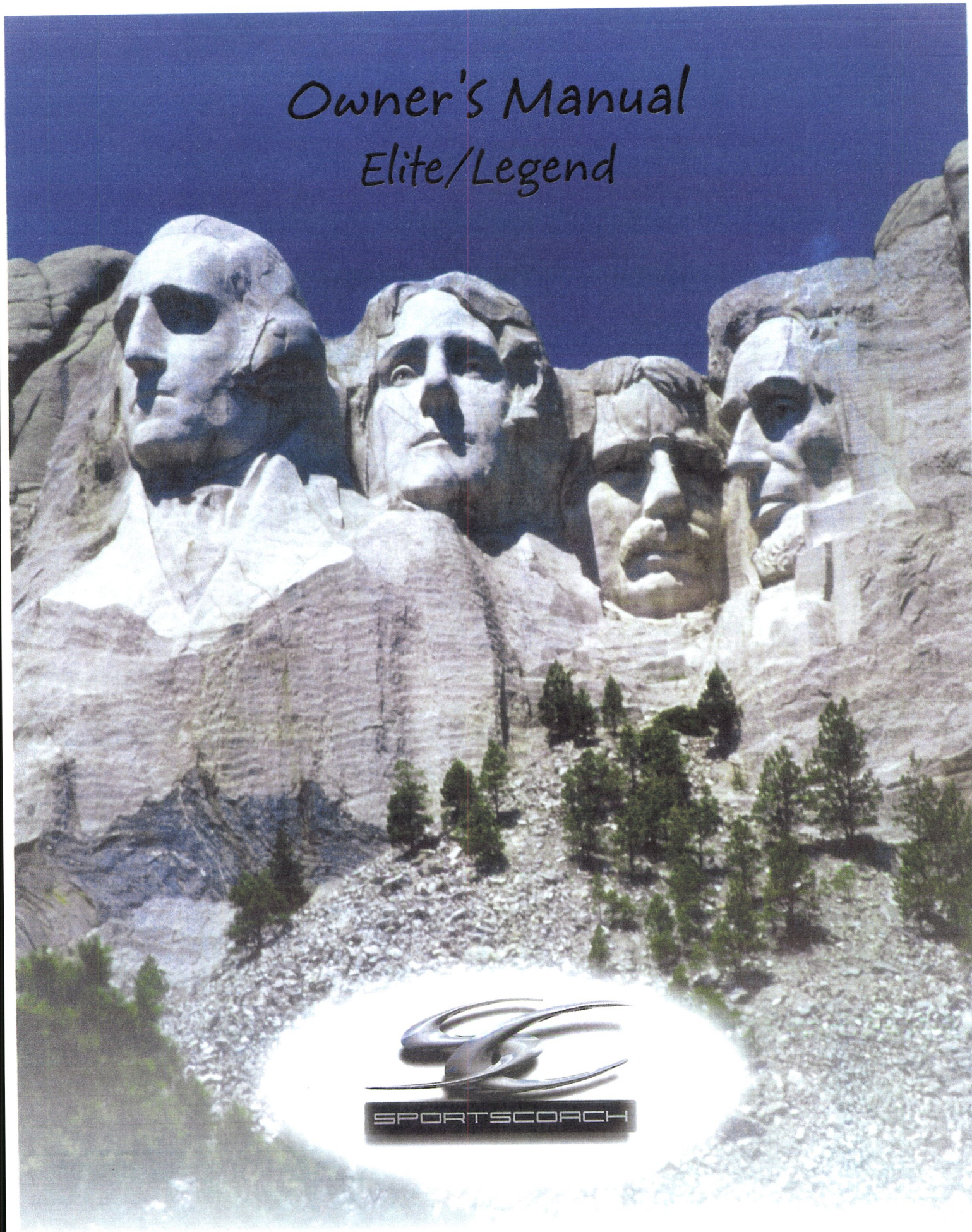

Owner's Manual
Elite/Legend
SPORTSCOACH

Quick Reference Guide

⚠ WARNING

RISK OF INJURY OR DEATH.

SOME THE COACH SETUP TASKS POSE THE RISK OF INJURY OR DEATH.

YOU MUST READ THIS MANUAL BEFORE SETTING UP AND OCCUPYING YOUR COACH.

The following quick reference guide will give you a list of items to do to setup and prepare your coach for your stay. The list is in the order that you must perform the tasks. The items indicate the section of this manual that contains a full description of the tasks. Read this manual before setting up and occupying your coach.

Prepare Coach For Camping

1. Chose a firm level site.
2. Level the coach with the leveling system. See section 9.
3. Open slide-out(s). See section 10.
4. Determine electrical needs and available shore power source. See section 12.
5. Connect to shore power or start the on-board generator. See section 12.
6. Open LP gas supply valve. See section 11.
7. Set furnace/A/C thermostat to desired mode and temperature. See section 13.
8. Determine if you will be using city water or water from the coach storage tank.
9. If using city water, connect city water hose to water supply and coach. If using water from the coach water tank, turn the water pump switch on. See section 14.
10. Open awnings if desired. See section 15.

Prepare Coach For Travel

1. Turn off all major electrical loads (air conditioners, washer/dryer, etc).
2. Close awnings. See section 15.
3. If connected to city water, disconnect and stow supply hose. See section 14.
4. Disconnect and retract shore power cord. See section 12.
5. Close slide-out(s) and install travel bar(s). See section 10.
6. Retract leveling system. See section 9.
7. Determine if furnace or air conditioners are needed while traveling.
8. Start generator if air conditioning is needed while traveling. See section 12.
9. Set A/C thermostat to desired mode and temperature. See section 13.
10. If furnace is not needed while traveling, turn off LP gas supply valve. See section 11.

1 - Introduction

Welcome To "RV'ing" With Coachmen

Welcome to Coachmen's growing family of satisfied RV owners. Hours of relaxation, adventure and enjoyment await you in your new Coachmen RV. Thousands of Coachmen RV owners have been enjoying their purchases for many years.

This Owner's Manual has been prepared to help you and your family enjoy your new Coachmen RV by providing basic instructions for the operation and maintenance of the appliances, accessories and RV systems. Please read it carefully and follow the instructions. Also read and follow the instructions contained in the appliance and accessory manufacturers' instruction booklets provided with your RV.

If you have any questions regarding operation, maintenance, or service, please contact Coachmen RV or your Coachmen dealer so we can assist you. Your complete satisfaction is of the utmost importance to your dealer and to Coachmen.

Operation and maintenance instructions regarding appliances in this manual were obtained from the manufacturer's booklets and are used with the permission of those various manufacturers. Coachmen Recreational Vehicle Company, LLC reserves the right to present edited portions of these materials. Coachmen offers a wide variety of recreational vehicle models and choices of standard and optional equipment; therefore, certain descriptions in this manual may not apply to your RV. Ask your authorized dealer, or see the current brochure for information on the availability of standard or optional equipment.

Thank you for selecting our product. The entire Coachmen family wishes you many safe and enjoyable journeys in your new Coachmen RV.

Sincerely,
The Coachmen Team

Note: Coachmen Recreational Vehicle Company, LLC works year round to improve it's product. As a result, all specifications and equipment are subject to change without notice.

All information contained in this Owner's Manual is believed to be accurate at the time of publication, however; during the model year, it may be necessary to make revisions and Coachmen reserves the right to make all such changes without notice.

Taking Delivery

Congratulations on the purchase of your new Coachmen recreational vehicle. We sincerely thank you for choosing our product. You'll find many useful tips for the basic operation and maintenance of your Coachmen vehicle's systems and appliances in this Owners Manual.

If you are a first-time RV'er, we want you to learn to operate your vehicle correctly and be able to use components, appliances and any optional equipment in the most efficient manner and with confidence. If you are a veteran RV'er, you know that things change and a quick review of this manual will bring you up to date on what's new.

We would recommend you take a short trip first. The experience you will gain from this will help make your future RV'ing more enjoyable. While there are many accessories available to complement the standard and optional equipment you've chosen for your Travel Trailer or Fifth Wheel, you may wish to use your vehicle several times before you invest in these accessories. What may be a necessity for one RV'er could prove to be of no value to you. Remember, your dealer is always ready to help and advise you.

Note: Due to individual taste and optional floor plans offered, your vehicle may not have all of the components illustrated or described in this manual. Ask your dealer for details concerning the specifics of your travel trailer or fifth wheel recreational vehicle.

Your recreational vehicle has been inspected by factory personnel throughout the manufacturing process. Our final factory check by quality control inspectors is not the last one. Your dealer performs additional pre-delivery inspections and systems checks. They will also help you understand the Warranty and complete any necessary forms.

Dealer Responsibilities

1. Orienting the customer to the recreational vehicle, it's systems and components as well as their operation.

2. Insuring the customer receives a complete Owner's Packet with warranty cards and registrations for the recreational vehicle and for separately warranted products, including operation and maintenance instructions.

3. Review Limited Warranty provisions with the customer, stressing the coverage. Assist the customer in completing these forms if needed and request that the customer read all warranty information as soon as possible, explaining any provisions not clearly understood.

4. Instruct the customer how to obtain local or out-of-town service for the recreational vehicle and its separately warranted components.

1 - Introduction

Owner Responsibilities

As a new recreational vehicle owner, you have the responsibility for regular and proper maintenance. This will help you avoid conditions arising from neglect that are not covered by your Coachmen Recreational Vehicle Limited Warranty. Maintenance services should be performed in accordance with this Owner's Manual and any other applicable manuals. As the owner, it is your responsibility and obligation to return the recreational vehicle to an authorized dealer for repairs and service.

Since the Authorized Dealer from whom you purchased your new recreational vehicle is responsible for its proper servicing before delivery and has an interest in your continued satisfaction, we recommend that inspection, warranty and maintenance services be performed by them.

Obtaining Service

Give Thought to the Appointment Time...Monday and Friday are the busiest days at most dealerships. Therefore, try to make a mid-week appointment whenever possible.

Prepare For The Appointment

All work to be performed may not be covered by the warranty; discuss additional charges with the service manager. Keep a maintenance log of your vehicle's service history. This can often provide a clue to the current problem.

Prepare A List

Prepare a written list of issues or specific work you require to be done. Advise the Service Manager if work has been performed that is not listed on your Maintenance Log. It is important to keep the log accurate and up to date.

Be Reasonable With Your Requests

Appointments are made according to the type of repair scheduled, and the amount of time needed to complete the repair. If you add items after the appointment has been set, discuss the situation with the service manager and list your items in order of priority. Expect to make a second appointment for work not completed or for parts that may need to be ordered.

No Offense

Insurance requirements forbid the admission of customers to a service repair area.

Inspect The Work Properly

Inspect the completed repairs when you pick up your vehicle and notify the Service Manager of any dissatisfaction.

Important Documents

Always carry your vehicle registration, insurance policy card(s) and owner warranty registration. If you lend your vehicle, it is best to give the borrower a notarized letter authorizing him to be in possession of the vehicle.

Licenses

Vehicle licensing laws vary from state-to-state. Check with your state license bureau or the nearest licensing branch office for the requirements of your state.

Insurance

Consult your insurance agent about personal liability, property damage, collision and theft of contents insurance for your new recreational vehicle. Always carry your insurance policy and/or card with you when you travel. Obtain current road maps and tourists information for each state you'll visit or drive through.

Vehicle Certification/ID Tag

The vehicle certification/ID tag is located on the interior wall behind the drivers seat. The tag contains important information on your coach:

Manufactured By - Coachmen RV Company, LLC.

Date - The month and year coach was built.

GAWR - The Gross Axle Weight Rating is the maximum gross weight that each axle can support.

Tires - The recommended tire size for your coach.

Cold Single/Dual - This is the tire pressure measured when cold (not driven for at least three hours).

Rims - The recommend rim size for each axle on your coach.

GVWR - The Gross Vehicle Weight Rating is the maximum allowable gross weight of the coach and its contents. The gross weight of the coach

includes the weight of the coach and all of the items within it such as cargo, water, food and other supplies.

Model Number - The model number of your coach

Vehicle ID Number - The vehicle identification number. You will need this number when you arrange for service or purchase parts for your coach.

Type - MPV.

Model - This is the model name of your coach.

Certification Statement - This vehicle has been completed in accordance with the prior manufacturers IVD where applicable. This vehicle conforms to all applicable Federal Motor Vehicle Safety Standards in effect.

1 - Introduction

2 - SAFETY

This manual is for a Coachmen Motorhome.

Read this manual before using your coach, and follow all of the safety precautions and instructions. This manual does not cover the chassis of your coach. Refer to the chassis owner's manual, this manual and the owner's manual for each item installed in your coach for operation, maintenance and safety information.

This manual does not describe or teach how to drive a coach. If you have never driven a vehicle of this size and weight, it is recommended that you take a driving course for recreational vehicles. To find a driving school in your area, contact the Department of Motor Vehicles or search the internet for a driving school that specializes in RV training.

Primary hazards relating to driving and operating a coach include, but are not limited to:

- Loss of control due to driving too fast for conditions.
- Failure to inspect tires and wheels and to maintain tire pressure.
- Lapse in awareness of height, width and length.
- Towing.
- Improperly sized and/or overloaded trailer.
- Electrocution or fire from the generator or shore power.
- Fire or explosion due to release of LP gas.
- Death from carbon monoxide poisoning from operation of the coach engine, generator and gas appliances or equipment.
- Fire due to electrical system.
- Injury due to operation of the slideout.
- Injury due to operation of the generator.
- Injury due to operation of the shore cord reel.

This is the safety alert symbol: ⚠

It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

The following signal words are used to indicate the level of risk:

⚠ DANGER

DANGER INDICATES A HAZARDOUS SITUATION WHICH, IF NOT AVOIDED, WILL RESULT IN DEATH OR SERIOUS INJURY.

⚠ WARNING

WARNING INDICATES A HAZARDOUS SITUATION WHICH, IF NOT AVOIDED, MAY RESULT IN DEATH OR SERIOUS INJURY.

⚠ CAUTION

CAUTION INDICATES A HAZARDOUS SITUATION WHICH, IF NOT AVOIDED, COULD RESULT IN MINOR OR MODERATE INJURY.

NOTICE

NOTICE INDICATES A SITUATION WHICH, IF NOT AVOIDED, MAY RESULT IN PROPERTY DAMAGE.

Improperly Sized Trailer

A trailer and load that exceeds the towing capacity of the coach can cause stability problems and possibly loss of control, which can lead to death or serious injury.

Do not exceed the maximum towing capacity of your coach. The towing capacity of your coach can be found in the chassis owner's manual and on the VIN tag.

Tires And Wheel Lugs

Inspect the tires and wheels, and tighten lug nuts before each trip. If a tire has a bald spot, bulge, cut, cracks or is showing any cords, replace tire before driving. If a tire has uneven tread wear, take your coach to a service center for diagnosis.

Tires with too little tread will not provide adequate traction and can result in loss of control, leading to death or serious injury.

Improper tire pressure causes increased tire wear and an unstable coach, which can result in a tire blowout or possible loss of control. The tire pressure is listed on the VIN label. Allow 3 hours cool-down after driving as much as 1 mile at 40 mph before checking tire pressure.

⚠ WARNING

LOSS OF CONTROL HAZARD.

IMPROPER TIRE PRESSURE MAY CAUSE TIRE BLOWOUT AND LOSS OF CONTROL MAY OCCUR.

INFLATE TIRES TO PRESSURE INDICATED ON THE VIN LABEL BEFORE EACH TRIP.

The wheels and lugs are subjected to greater side loads than automobile wheels. This may cause the wheel lugs to become loose. The wheel lugs must be tight to keep the wheels properly seated to the hub. Before each tow, check to make sure they are tight.

The proper tightness (torque) and tightening sequence for lug nuts is listed in the maintenance section of this manual. Use a torque wrench to tighten the lug nuts and use the crisscross star pattern. Lug nuts are also prone to loosen after first being assembled or remounted. On a new coach (or after wheels have been remounted), check to make sure they are tight after the first 10, 25 and 50 miles of driving and before each trip thereafter.

Failure to perform this check can result in a wheel separating from the coach and a collision, leading to death or serious injury.

Improper wheel lug nut torque can cause a wheel to part from the coach while driving, leading to death or serious injury.

Lights

The lights on your coach are essential for you to see and for others to see you and be alerted of your intended moves. Before driving, make sure all lights on your coach and trailer (if you are towing one) are functioning properly.

Hazards From Installed Accessories And Optional Equipment

This manual contains information on equipment and optional accessories that may be installed in your coach.

Read the instruction manual for each of the accessories before operating them. Follow all of the instructions and warnings in those manuals and in this manual.

Primary hazards from operation of accessories include, but are not limited to:

- Death by carbon monoxide poisoning from operation of the generator and LP gas appliances.
- Fire or explosion from accumulated, unburned LP gas.
- Electrocution or fire from the generator or shore power.
- Injury due to improper operation of the slideout.

Carbon Monoxide

Carbon monoxide (CO) is a colorless, tasteless, odorless gas that can cause brain damage or death.

Carbon monoxide comes from the exhaust of fuel burning engines and appliances such as the coach engine, generator, water heater, furnace, stove, oven and refrigerator.

Never operate the coach engine or any of these appliances while the coach is in a building or confined area.

A building or confined area will not allow proper ventilation and carbon monoxide fumes may enter the coach.

Never operate portable fuel burning appliances or equipment inside the coach.

Never use a cooking appliance to provide comfort heating in the coach.

Test the carbon monoxide detector in your coach after periods of storage, before each trip and at least once per week during use.

Symptoms of carbon monoxide poisoning are:
- Headache
- Drowsiness
- Dizziness
- Nausea
- Vomiting
- Shortness of breath
- Unconsciousness

⚠ DANGER

RISK OF DEATH FROM CARBON MONOXIDE.

DO NOT OPERATE ANY GAS APPLIANCE, GENERATOR OR COACH ENGINE WHILE THE COACH IS IN A BUILDING OR CONFINED AREA.

DO NOT OPERATE ANY GAS APPLIANCE, GENERATOR OR COACH ENGINE UNLESS THE CARBON MONOXIDE DETECTOR IS WORKING.

TEST THE CARBON MONOXIDE DETECTOR:
- **AFTER PERIODS OF STORAGE.**
- **BEFORE EACH TRIP.**
- **AT LEAST ONCE PER WEEK DURING USE.**

Procedures to take during an alarm.

Actuation of your CO alarm indicates the presence of carbon monoxide which can kill you.

If the alarm sounds:

1. Operate the reset/silence button;

2. Call your emergency services (Phone Number _____ _____) (fire department or 911);

3. Immediately move to fresh air - outdoors or by an open window. Do a head count to check that all persons are accounted for. Do not reenter the premises or move away from the open door/window until emergency responders have arrived, the premises have been aired out, and your alarm remains in its normal operation.

4. After following steps 1-3, if your alarm reactivates within a 24 hour period, repeat steps 1-3 and call a qualified appliance technician, (Phone Number _____ _____) to investigate for sources of CO from fuel burning equipment and appliances, and inspect for proper operation of this equipment.

If problems are identified during this inspection, have the equipment serviced immediately. Note any combustion equipment not inspected by the technician and consult the manufacturer instructions or contact the manufacturer directly for more information about CO safety and this equipment.

Make sure that the motor vehicles are not, and have not been, operated in an attached garage or adjacent to the residence.

Conditions that can redirect carbon monoxide fumes are for example:

- Being drawn in by fans or vents operated in the coach.
- The wind may blow fumes into the coach.
- Being trapped between adjacent coaches, other vehicles, buildings or other materials.

LP Gas System

The LP gas system in your coach can operate the cook top, oven, water heater, refrigerator and furnace.

The exhaust fumes from burning LP gas contain carbon monoxide. Carbon monoxide is an odorless, colorless gas that can cause brain damage and/or death.

Verify that the LP gas detector and carbon monoxide detector are operational before opening the LP gas supply valve.
The exhaust hood must be turned on and a window open while using the cook top and/or oven.

Keep the LP gas tank supply valve closed at all times except when using gas appliances.

Do not use any cooking appliance for comfort heating in the coach.

Do not operate portable gas burning appliances or equipment in the coach.

Do not place an LP gas tank inside the coach for any reason.

⚠ DANGER

RISK OF EXPLOSION OR FIRE.

IF LP GAS IS DETECTED BY SMELL OR BY THE LP GAS DETECTOR:

- **EXTINGUISH ANY OPEN FLAMES, PILOT LIGHTS AND ALL SMOKING MATERIALS.**
- **DO NOT TOUCH ELECTRICAL SWITCHES.**
- **SHUT OFF LP GAS SUPPLY AT THE CONTAINER VALVE OR LP GAS SUPPLY CONNECTION.**
- **OPEN DOORS, WINDOWS AND VENTS.**
- **LEAVE THE AREA UNTIL ODOR CLEARS.**
- **HAVE THE LP GAS SYSTEM CHECKED AND LEAKAGE SOURCE CORRECTED BEFORE USING AGAIN.**
- **NEVER USE A FLAME TO LOCATE THE SOURCE OF A GAS LEAK.**

HAVE A QUALIFIED LP GAS TECHNICIAN CORRECT LP GAS LEAKAGE BEFORE USING AN LP GAS APPLIANCE.

⚠ WARNING

RISK OF EXPLOSION OR FIRE.

VERIFY THAT THE CARBON MONOXIDE DETECTOR IS OPERATIONAL BEFORE OPENING THE LP GAS SUPPLY VALVE.

TEST THE LP GAS DETECTOR:
- **AFTER PERIODS OF STORAGE.**
- **BEFORE EACH TRIP.**
- **AT LEAST ONCE PER WEEK DURING USE.**

2 - SAFETY

⚠ WARNING

RISK OF FIRE OR EXPLOSION.

THE LP GAS SYSTEM IN YOUR COACH IS NOT COMPATIBLE WITH NATURAL GAS.

DO NOT CONNECT A NATURAL GAS FUEL SOURCE TO THE LP GAS SYSTEM IN YOUR COACH.

⚠ WARNING

RISK OF FIRE OR EXPLOSION.

LP GAS TANKS CAN DISCHARGE GAS TO THE ATMOSPHERE AS THE AIR TEMPERATURE CHANGES.

NEVER PLACE OR STORE AN LP GAS TANK OR OTHER FLAMMABLE LIQUIDS INSIDE THE COACH OR ANY OTHER VEHICLE.

FAILURE TO COMPLY COULD RESULT IN DEATH OR SERIOUS INJURY.

⚠ WARNING

RISK OF FIRE OR EXPLOSION.

NEVER USE A FLAME, HAIR DRYER OR HEAT LAMP TO THAW A FROZEN LP GAS REGULATOR.

USE AN INCANDESCENT LIGHT BULB TO THAW A FROZEN LP GAS REGULATOR.

⚠ WARNING

RISK OF FIRE OR EXPLOSION.

A BLOCKED OR CLOGGED REGULATOR VENT CAN RESULT IN EXCESSIVE LP GAS PRESSURE.

THE REGULATOR MUST BE INSTALLED WITH THE VENT FACING DOWNWARD AND THE COVER INSTALLED.

Proposition 65

Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects and other reproductive harm.

Battery posts, terminals and related accessories contain lead and lead compounds, chemicals known to the State of California to cause cancer and reproductive harm. Wash hands after handling.

For more information on Proposition 65, go to http://www.oehha.ca.gov.

Generator

⚠ DANGER

RISK OF BRAIN DAMAGE OR DEATH FROM CARBON MONOXIDE.

THE GENERATOR EXHAUST CONTAINS CARBON MONOXIDE, AN ODORLESS COLORLESS GAS THAT CAN CAUSE SERIOUS BRAIN DAMAGE OR DEATH.

NEVER OPERATE THE GENERATOR WHILE THE COACH IS IN A BUILDING OR CONFINED AREA.

THE GENERATOR AUTO START FUNCTION MUST BE DISABLED IF THE COACH IS IN A BUILDING OR CONFINED AREA.

AVOID ANY AREAS AND ACTIONS THAT EXPOSE YOU TO CARBON MONOXIDE.

TEST THE CARBON MONOXIDE DETECTOR IN THE COACH FOR PROPER OPERATION BEFORE STARTING THE GENERATOR.

⚠ WARNING

RISK OF ELECTROCUTION OR FIRE.

A MODIFIED OR ALTERED GENERATOR OR ELECTRICAL SYSTEM MAY MALFUNCTION.

NEVER MODIFY OR ALTER THE GENERATOR OR ELECTRICAL SYSTEM FOR ANY REASON.

SERVICE AND MAINTENANCE MUST BE PERFORMED BY A QUALIFIED TECHNICIAN.

Shore Power Cord And Reel

⚠ WARNING

RISK OF ELECTROCUTION OR FIRE.

A MODIFIED OR ALTERED SHORE POWER CORD OR ELECTRICAL SYSTEM MAY MALFUNCTION.

NEVER MODIFY OR ALTER THE SHORE POWER CORD OR ELECTRICAL SYSTEM FOR ANY REASON.

NEVER USE AN EXTENSION CORD.

NEVER REMOVE PRONGS FROM THE SHORE POWER CORD.

SERVICE AND MAINTENANCE MUST BE PERFORMED BY A QUALIFIED TECHNICIAN.

⚠ WARNING

RISK OF SEVERED FINGERS.

THE MOVING SHORE CORD CAN PINCH OR SEVER FINGERS IN THE REEL AND ROLLERS.

KEEP HANDS AWAY FROM THE REEL AND ROLLERS WHILE EXTENDING AND RETRACTING SHORE CORD.

Inverter

⚠ WARNING

RISK OF ELECTROCUTION OR FIRE.

A MODIFIED OR ALTERED INVERTER OR ELECTRICAL SYSTEM MAY MALFUNCTION.

NEVER MODIFY OR ALTER THE INVERTER OR ELECTRICAL SYSTEM FOR ANY REASON.

SERVICE AND MAINTENANCE MUST BE PERFORMED BY A QUALIFIED TECHNICIAN.

Slideout

⚠ WARNING

RISK OF DEATH OR SERIOUS INJURY FROM CRUSHING.

A MOVING SLIDEOUT CAN CRUSH PEOPLE OR OTHER OBJECTS.

KEEP PEOPLE AWAY FROM THE SLIDEOUT WHILE EXTENDING AND RETRACTING.

⚠ WARNING

RISK OF DEATH OR SERIOUS INJURY.

A MODIFIED OR ALTERED SLIDEOUT MAY MALFUNCTION.

NEVER MODIFY OR ALTER THE SLIDEOUT AND/OR DRIVE MECHANISM FOR ANY REASON.

SERVICE AND MAINTENANCE MUST BE PERFORMED BY A QUALIFIED TECHNICIAN.

Leveling System

⚠ DANGER

RISK OF BRAIN DAMAGE OR DEATH FROM CARBON MONOXIDE.

THE COACH ENGINE EXHAUST CONTAINS CARBON MONOXIDE, AN ODORLESS COLORLESS GAS THAT CAN CAUSE SERIOUS BRAIN DAMAGE OR DEATH.

NEVER OPERATE THE ENGINE WHILE THE COACH IS IN A BUILDING OR CONFINED AREA.

THE GENERATOR AUTO START FUNCTION MUST BE DISABLED IF THE COACH IS IN A BUILDING OR CONFINED AREA.

AVOID ANY AREAS AND ACTIONS THAT EXPOSE YOU TO CARBON MONOXIDE.

2 - SAFETY

⚠ WARNING

RISK OF INJURY.

NEVER USE THE LEVELING SYSTEM TO SUPPORT THE COACH FOR SERVICE OR MAINTENANCE WORK.

NEVER GO UNDER A COACH SUPPORTED BY THE LEVELING SYSTEM.

⚠ WARNING

RISK OF INJURY FROM AN UNSTABLE COACH.

A COACH WITH A TIRE OR TIRES OFF THE SURFACE IS UNSTABLE AND UNSAFE.

IF THE LEVELING SYSTEM RAISES A TIRE OR TIRES OFF THE SURFACE, MOVE THE COACH TO A MORE LEVEL LOCATION.

⚠ CAUTION

RISK OF INJURY.

KEEP BYSTANDERS CLEAR OF THE COACH WHILE LEVELING SYSTEM IS IN USE.

Appliances

⚠ DANGER

RISK OF CARBON MONOXIDE POISONING.

THE EXHAUST FROM THE REFRIGERATOR, COOK TOP, OVEN AND WATER HEATER CONTAINS CARBON MONOXIDE.

CARBON MONOXIDE CAN ACCUMULATE IN ENCLOSED AND CONFINED AREAS.

DO NOT OPERATE THE REFRIGERATOR, COOK TOP, OVEN AND WATER HEATER ON LP GAS WHILE THE COACH IS IN A BUILDING OR CONFINED AREA.

AVOID ANY AREAS AND ACTIONS THAT EXPOSE YOU TO CARBON MONOXIDE.

⚠ DANGER

RISK OF EXPLOSION OR FIRE.

IF LP GAS IS DETECTED BY SMELL OR BY THE CARBON MONOXIDE DETECTOR:

- EXTINGUISH ANY OPEN FLAMES, PILOT LIGHTS AND ALL SMOKING MATERIALS.
- DO NOT TOUCH ELECTRICAL SWITCHES.
- SHUT OFF LP GAS SUPPLY AT THE CONTAINER VALVE OR LP GAS SUPPLY CONNECTION.
- OPEN DOORS, WINDOWS ANDS VENTS.
- LEAVE THE AREA UNTIL ODOR CLEARS.
- HAVE THE LP GAS SYSTEM CHECKED AND LEAKAGE SOURCE CORRECTED BEFORE USING AGAIN.
- NEVER USE A FLAME TO LOCATE THE SOURCE OF A GAS LEAK.

HAVE A QUALIFIED LP GAS TECHNICIAN CORRECT LP GAS LEAKAGE BEFORE USING AN LP GAS APPLIANCE.

⚠ WARNING

RISK OF FIRE OR EXPLOSION.

NEVER STORE FLAMMABLES NEAR ANY APPLIANCE.

APPLIANCES AND LP VALVES MUST BE TURNED OFF WHILE REFUELING COACH OR LP TANK.

⚠ WARNING

RISK OF EXPLOSION.

GAS MAY ACCUMULATE IN THE COACH IF THE COOK TOP AND/OR OVEN CONTROLS ARE ON AND THE GAS SUPPLY VALVE IS OPENED.

VERIFY THAT THE CONTROLS ARE OFF BEFORE OPENING THE GAS SUPPLY VALVE.

TEST THE LP GAS DETECTOR BEFORE USING ANY GAS APPLIANCE.

2 - SAFETY

⚠ WARNING

RISK OF EXPLOSION.

ATTEMPTING TO LIGHT MORE THAN ONE COOK TOP BURNER AT A TIME MAY CAUSE EXCESSIVE GAS TO ACCUMULATE IN THE COACH.

LIGHT ONE BURNER AT A TIME.

⚠ WARNING

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

COOKING APPLIANCES NEED FRESH AIR FOR SAFE OPERATION.

BEFORE OPERATION:
1. OPEN OVERHEAD VENT OR TURN ON EXHAUST FAN
2. OPEN WINDOW.

FAILURE TO COMPLY COULD RESULT IN DEATH OR SERIOUS INJURY.

⚠ WARNING

RISK OF FIRE OR ASPHYXIATION.

NEVER USE PORTABLE FUEL BURNING EQUIPMENT INCLUDING WOOD AND CHARCOAL STOVES INSIDE THE COACH OR ANY OTHER VEHICLE.

FAILURE TO COMPLY COULD RESULT IN DEATH OR SERIOUS INJURY.

Water System

⚠ DANGER

RISK OF CARBON MONOXIDE POISONING.

THE EXHAUST FROM THE WATER HEATER CONTAINS CARBON MONOXIDE.

CARBON MONOXIDE CAN ACCUMULATE IN ENCLOSED AND CONFINED AREAS.

DO NOT OPERATE THE WATER HEATER ON LP GAS WHILE THE COACH IS IN A BUILDING OR CONFINED AREA.

AVOID ANY AREAS AND ACTIONS THAT EXPOSE YOU TO CARBON MONOXIDE.

⚠ CAUTION

RISK OF CONTAMINATED WATER.

BE CERTAIN YOUR TANK IS FILLED FROM AN APPROVED POTABLE WATER SOURCE OR A SOURCE YOU KNOW IS SAFE.

ALWAYS USE A POTABLE (WHITE) WATER HOSE TO FILL YOUR TANK.

⚠ DANGER

RISK OF EXPLOSION OR FIRE.

IF LP GAS IS DETECTED BY SMELL OR BY THE CARBON MONOXIDE DETECTOR:

- EXTINGUISH ANY OPEN FLAMES, PILOT LIGHTS AND ALL SMOKING MATERIALS.
- DO NOT TOUCH ELECTRICAL SWITCHES.
- SHUT OFF LP GAS SUPPLY AT THE CONTAINER VALVE OR LP GAS SUPPLY CONNECTION.
- OPEN DOORS, WINDOWS ANDS VENTS.
- LEAVE THE AREA UNTIL ODOR CLEARS.
- HAVE THE LP GAS SYSTEM CHECKED AND LEAKAGE SOURCE CORRECTED BEFORE USING AGAIN.
- NEVER USE A FLAME TO LOCATE THE SOURCE OF A GAS LEAK.

HAVE A QUALIFIED LP GAS TECHNICIAN CORRECT LP GAS LEAKAGE BEFORE USING AN LP GAS APPLIANCE.

⚠ WARNING

RISK OF FIRE OR EXPLOSION.

NEVER STORE FLAMMABLES NEAR ANY APPLIANCE.

APPLIANCES AND LP VALVES MUST BE TURNED OFF WHILE REFUELING COACH OR LP TANK.

Trailer Towing

⚠ WARNING

LOSS OF CONTROL HAZARD.

EXCEEDING THE LIMITS OF THE HITCH AND COACH MAY RESULT IN LOSS OF CONTROL.

MAKE SURE YOU DO NOT EXCEED THE TOWING CAPACITY OF THE COACH AND THE LOAD RATING OF THE HITCH.

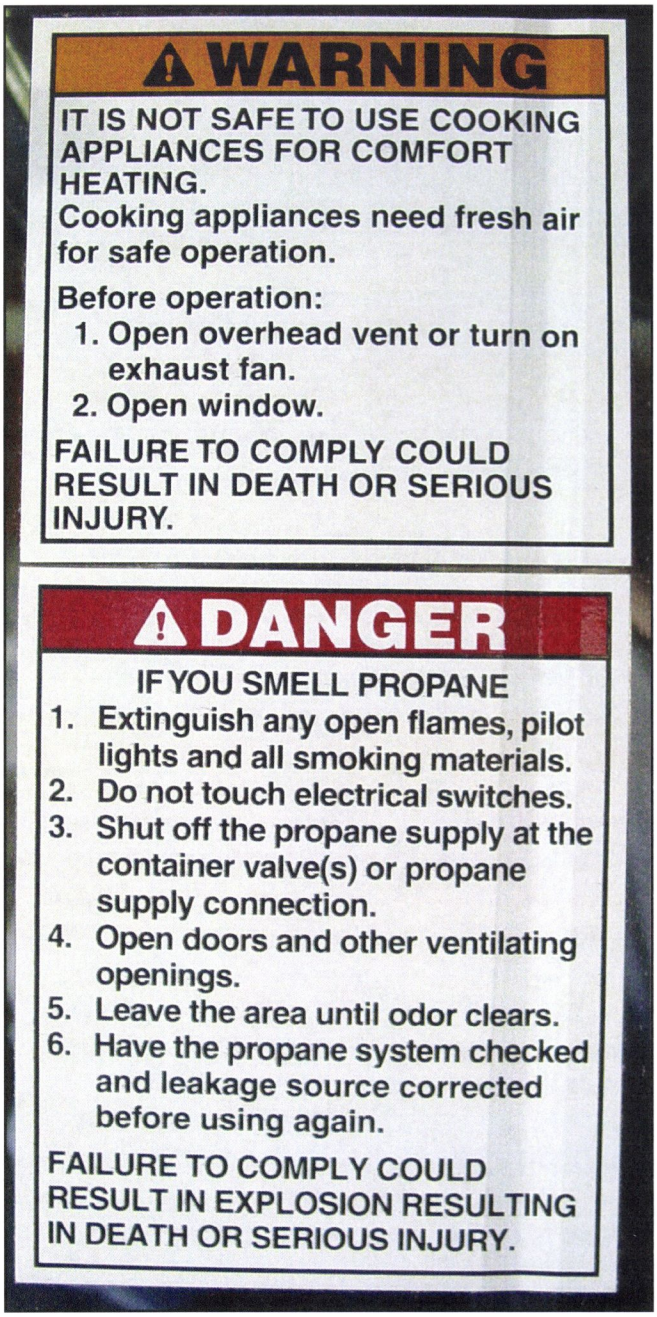
Hazards From Modifying Your Coach

Altering or modifying your coach can damage safety and structural items and may void the warranty.

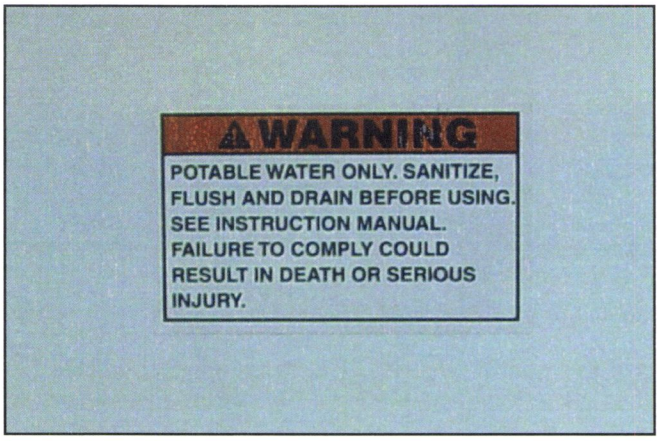
Before making any alteration to your coach, contact your dealer or Coachmen and describe the alteration you are contemplating. Alteration of your coach must be performed only by qualified technicians who are familiar with your coach and with the approval of Coachmen.

Safety Decals

Decal Located On Smoke Detector

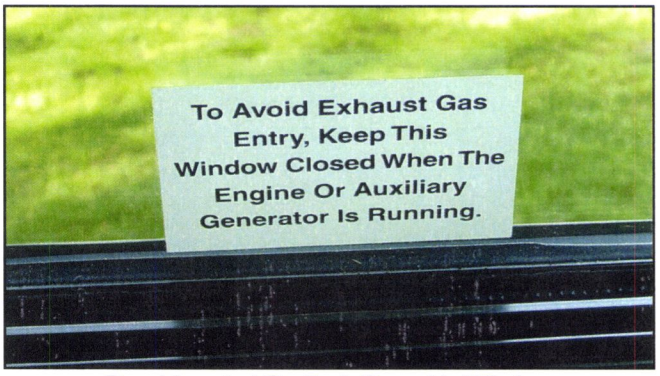


Decals Located On Wall Near Cook Top

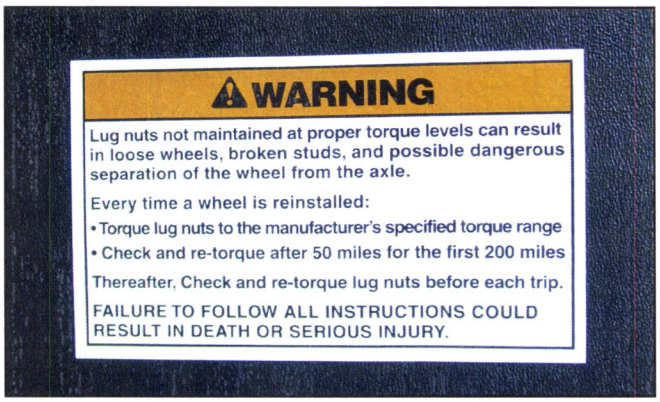


Decal Located In Water Panel Bay

Decal Located On Wall Forward Of Each Slideout



Decal Located On Each Operable Window



Decal Located On Entry Door

Decal Located Near Furnace And/Or Water Heater Exhaust

Reporting Safety Defects

If you believe that your vehicle has a defect that could cause a crash or could cause injury or death, you should immediately inform the National Highway Traffic Safety Administration (NHTSA) in addition to notifying Coachmen.

If NHTSA receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. However, NHTSA cannot become involved in individual problems between you, your dealer, a component supplier or Coachmen.

To contact NHTSA, you may either call the Vehicle Safety Hotline toll-free at 1-888-327-4236 (TTY: 1-800-424-9153), go to http://www.safercar.gov; or write to:

Administrator
NHTSA
1200 New Jersey Avenue SE
Washington, DC 20590

You can also obtain other information about motor vehicle safety from http://www.safercar.gov.

2 - SAFETY

3 - Pre-Trip Inspection

Chassis

Refer to the chassis owner's manual for a detailed pre-trip inspection for your Coachmen chassis.

Exterior

1. Disconnect from shore power. Verify that the shore power cord is retracted and the round cover is installed on the bay floor access tube.
2. Verify black and gray tanks have been drained and flushed if applicable.
3. Verify that the waste drain hose is removed and stowed, black and gray dump valves are shut and end cap installed on drain pipe.
4. Fill fresh water tank with clean potable water.
5. Visually verify that any antennas are in the stowed or travel position.
6. Verify that all windows are shut.
7. Verify that there are no flammable liquids such as gasoline, diesel fuel, LP gas or any other combustible fluid stored in the bays.
8. Inspect storage bays to ensure stored material is secured for traveling.
9. Verify that all awnings are fully are retracted.
10. If towing a trailer, refer to the trailer manual for proper trailer hook up and pre-towing inspections.
11. If towing a vehicle, refer to the towbar manual for proper hook up and pre-towing inspections.
12. Verify all storage bay doors closed and locked.

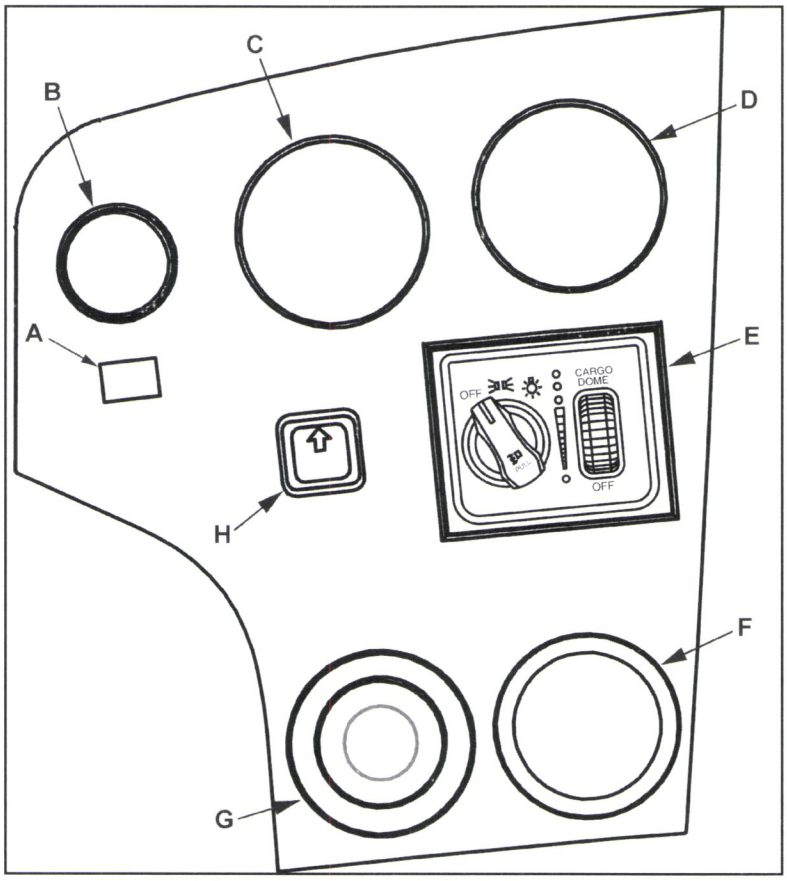
Interior

1. Slide-outs are retracted and slide-lock bars are installed.
2. Turn on and verify that the backup camera and side cameras are operational.
3. Check vital fluid levels and start the coach engine.
4. Verify that the leveling system is retracted and in the "OFF" position.
5. Check that all cabinet doors and drawers are closed and latched.
6. Close that all closet doors are closed and latched.
7. Place the toilet lid in the down position.
8. Close bathroom door.
9. Close and latch the shower door.
10. Secure dinette chairs to prevent them from being tossed around while traveling.
11. Verify that there are no loose items above or around driver that could interfere with the driver while traveling.
12. Secure, tie down, or put away any materials that could move around while traveling.
13. Test the carbon monoxide detector and the smoke detector for proper operation.
14. Remind yourself of the locations of the emergency exit windows
15. Place items in refrigerator so they do not to move around and fall out when you open the door.

3 - Pre-Trip Inspection

4 - Drivers Instruments And Controls

Left Dash Panel



A - Left and Right Mirror Control - Center position is off. Turn pointer knob to select left or right mirror. Move pointer knob to either of the four sides to adjust the selected mirror's viewing angle.

B - Mirror Heat - This switch turns the mirror heat on for removing frost or dew from mirrors which may hinder visibility. Lamp on switch is illuminated when mirror heat is on.

C - Main Air Tank Pressure Gauge - Indicates air pressure in the main air tank.

D - Auxiliary Air Tank Pressure Gauge - Indicates air pressure in the auxiliary air tank.

E - Headlight Control - See Headlight Control on this page.

F - Ignition Switch - The ignition has three positions:
OFF - Ignition is off and key can be removed.
ON - Ignition is on and key can not be removed.
START - This is the starting position. Switch is spring loaded and will return to the ON position when released. The switch must be turned to the OFF position before attempting to restart.

G - Parking Brake - The manually operated parking brake is activated by pulling out on the control valve knob. To release parking brakes, push control valve knob in.

H - Engine Display Selection Switch - Selects the function to displayed on the center dash display.

Headlight Control

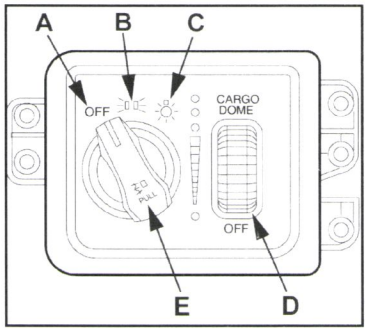
A - All lights are off.

B - Clearance, marker and taillights are on.

C - Headlights, clearance, marker and taillights are on.

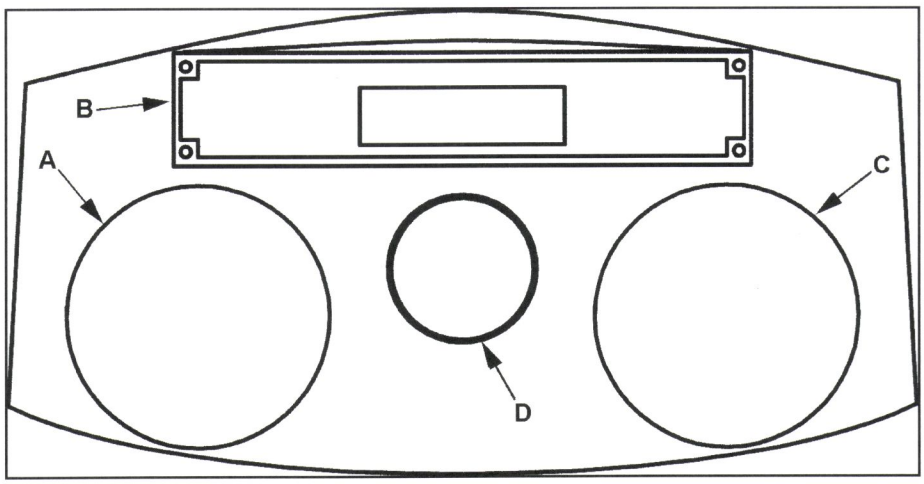
D - Thumb wheel for adjusting the instrument panel brightness and activating the dome/cargo lights.

E - With control in position (C), pull out to activate the fog lights.



4 - Drivers Instruments And Controls

Center Dash Panel



A - Tachometer, Engine Coolant Temperature and Oil Pressure

Tachometer - Indicates engine speed in hundreds of revolutions per minute (rpm). While descending steep grades and using the engine brake, do not exceed the maximum allowable rpm.

Engine Coolant Temperature Gauge - Indicates the coach engine coolant temperature. The normal operating temperature is 160-240 degrees.

Engine Oil Pressure Gauge - Indicates the coach engine oil pressure. With engine at normal operating temperature and at highway speed, the normal oil pressure should be 50-75 psi.

B - Engine Warning Lamp Display - Warns the driver of engine malfunctions. If one or more warning lamps are illuminated, pull over, stop the coach and shut off the engine.

C - Speedometer / Odometer, Voltmeter and Fuel Gauge

Speedometer / Odometer - The speedometer indicates the coach speed and the odometer indicates the distance driven.

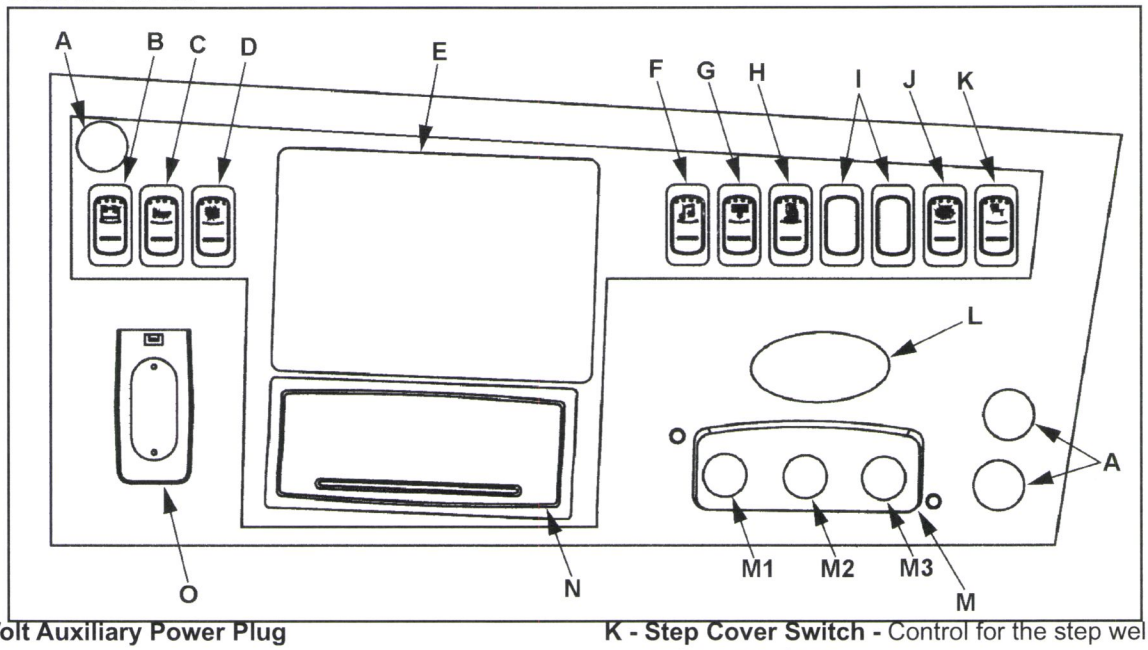
Voltmeter - Indicates the voltage that the coach engine alternator is supplying to the coach and house batteries.

Fuel Gauge - Indicates the fuel level of the coach fuel tank.

D - Transmission Temperature Gauge - Indicates the temperature of the coach transmission fluid.

4 - Drivers Instruments And Controls

Right Dash Panel



A - 12 Volt Auxiliary Power Plug

B - Emergency Start Switch - This switch allows the coach engine to use the house batteries for starting.

C - Air Horn

D - Docking Light Switch - Turns on the docking (backup) lights.

E - Backup Camera Monitor - Displays the backup and side view cameras.

F - Radio Power Switch - Use to activate the AM/FM/CD/ satellite radio.

G - Passenger Side Sun Visor -

⚠WARNING

RISK OF COLLISION.

A LOWERED SUN VISOR CAN OBSTRUCT THE DRIVERS VISION WHILE DRIVING.

DO NOT LOWER SUN VISOR SO FAR AS TO OBSTRUCT THE DRIVERS VISION.

Push and hold the top of this switch to lower the passengers windshield sun visor to the desired position.

H - Defrost Fan Switch - A separate fan that direct air only to the windshield.

I - Blank

J - Generator Switch - Start/stop switch for the coach generator.

K - Step Cover Switch - Control for the step well cover at the entry door.

L - Compass/Outside Temperature

M - Drivers Area Heat/AC Controls -

M1 - Fan Control - Use to select one of three fan speeds.

M2 - Temperature Control - Turn to blue area for cooler air or red area for warmer air.

M3 - Mode Control -

Off - System is off

Vent - Outside air is directed to the dash vents.

A/C - Compressor is on and mixed with outside air and directed to the dash vents.

Max A/C - Compressor is on and interior air is recirculated for maximum cooling and directed to the dash vents.

Bi-Level - Compressor is on and heated or cooled air (depending on temperature control setting) directed to the dash and floor vents.

Floor - Heated or ambient temperature air is directed to the floor vents.

Floor/Defrost - Compressor is on and heated or cooled air (depending on temperature control setting) is directed to the floor and windshield vents.

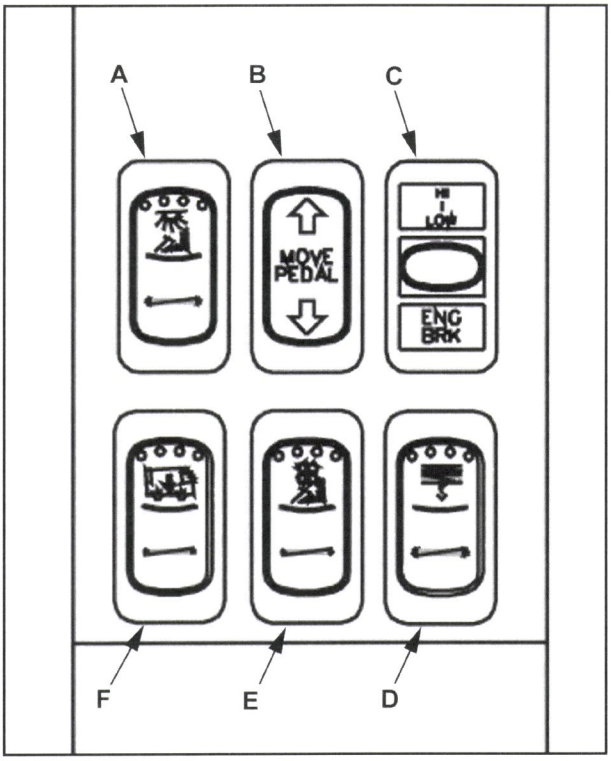
Defrost - Compressor is on and heated or cooled air (depending on temperature control setting) is directed to the windshield vents.

N - AM/FM/Cassette/CD/Satellite Radio

O - Navigation Remote Control - Controls the backup camera monitor functions.

4 - Drivers Instruments And Controls

Drivers Left Armrest Panel



A - Drivers Side Overhead Light - Control for the drivers side overhead light.

B - Adjustable Pedal Control - Selector switch to move the accelerator and brake pedals in or out as desired.

C - Engine Retarder - The diesel engine retarder is a device the uses the engine in conjunction with the service brakes to slow the coach.

D - Drivers Side Sun Visor -

⚠ WARNING

RISK OF COLLISION.

A LOWERED SUN VISOR CAN OBSTRUCT THE DRIVERS VISION WHILE DRIVING.

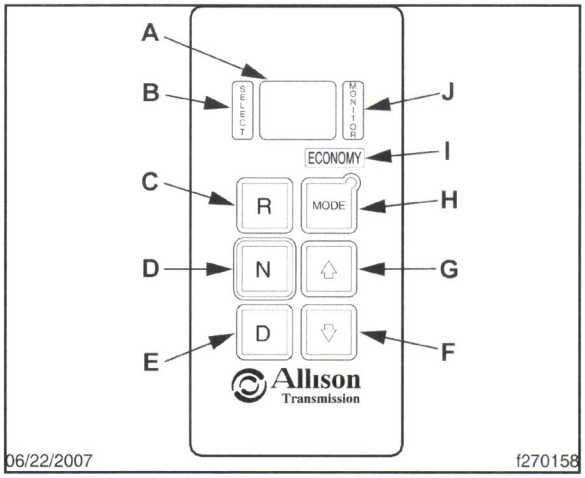
DO NOT LOWER SUN VISOR SO FAR AS TO OBSTRUCT THE DRIVERS VISION.

Push and hold the top of this switch to lower the drivers windshield sun visor to the desired position.

E - Drivers Side Fan - Control for the drivers side overhead fan.

F - Air Dump - Press the top of this switch to dump air from coach suspension.

Transmission Selector Panel



Refer to the Freightliner and Allison Transmission manuals provided with your coach for complete safety, operational and maintenance information.

A - Select/Monitor Display.

B - Select Display.

C - Reverse Button.

D - Neutral Button.

E - Drive Button

F - Downshift Button.

G - Upshift Button.

H - Mode Button.

I - Service Display.

J - Monitor Display.

5 - Air Quality

Condensation

Condensation is "the process by which a gas or vapor is changed to liquid". This process occurs when there is too much moisture in the air and not enough air movement. It can be a problem in modern, tightly-constructed, well insulated RVs. Certain amounts of condensation should be expected, especially on cool surfaces such as windows, roof vents, and metal door frames.

However, excessive condensation can cause water damage and infiltrate the RVs' insulation causing it to become damp, thus reducing its' insulation properties.

Condensation can appear as fog, frost or ice on the inside of windows indicating moisture is trying to escape to mix with drier air. It may also occur inside the walls and ceilings where it is hidden from view. Evidence of trapped water vapor or hidden condensation could be water stains on the ceiling, warped moldings or trims, water running down the walls, dripping from fixtures or softened wall or ceiling materials. Other indicators of excessive moisture could be damp carpet, paint failure, mold or mildew and damage to furniture.

If any of these situations listed above should occur, be sure to check all the normal functions of your RV, such as plumbing, seals, windows and roof, before assuming it is condensation. Just like your home, inspections and maintenance should be performed on a regular basis.

Formaldehyde Emissions

Some of the construction materials used in recreational vehicles emit formaldehyde. Eye, nose, and throat irritation, headache, nausea, and a variety of asthma-like symptoms, including shortness of breath, have been reported as a result of formaldehyde exposure. Elderly persons and young children, as well as anyone with a history of asthma, allergies, or lung problems, may be at greater risk. Research is continuing on the possible long term effects of exposure to formaldehyde.

Reduced or limited ventilation may allow formaldehyde and other contaminants to accumulate in the indoor air. Ventilation is available in your recreational vehicle through screened windows, roof vents, power roof vents and range vents. Additional ventilation to dilute the indoor air may be obtained by ventilation systems available through your dealer. In addition, aftermarket products such as air purifiers, or natural odor control products are readily available and can be very effective.

High indoor temperatures and humidity raise formaldehyde levels. When your recreational vehicle is located where it will be subjected to extreme summer temperatures, use your air conditioner to control indoor temperature levels. When storing your RV in extreme summer temperatures, be sure your RV is properly ventilated. Always allow your RV to "air out" or ventilate before leaving on a trip. Proper ventilation is essential while traveling or camping in your RV. If you have any questions regarding the health effects of formaldehyde, consult your doctor or local health department.

Keep in mind that your RV is a confined space and unlike a permanent dwelling, has limited venting capacity. Activities such as cooking, dish washing, cleaning, laundry and bathing add moisture to the air, so when performing these functions remember to keep your RV well ventilated to allow moisture to escape. By being aware of the causes, you may also be able to decrease the risks.

Your recreational vehicle was designed primarily for recreational use and short term occupancy, not a permanent dwelling. If you use your RV as a permanent dwelling or for prolonged periods of time, it is more susceptible to this condition. The number of inhabitants and pets residing in your RV are also a factor, as breathing and perspiration are impossible to avoid but do add to the moisture content in your unit.

If you intend to use your RV for an extended period, be prepared to take steps to prevent condensation, mold or mildew. Prevention can be a scheduled event, on your time frame; an unexpected repair is not only inconvenient, but can be more costly.

Note: Damage or deterioration due to long term occupancy may constitute an "unintended use" of your RV and will not be covered under your warranty.

Controlling Condensation

- **QUICK ACTION** - If leaks or spills occur indoors, clean it up quickly. In most cases, mold and mildew do not grow if the area is dried within 24-48 hours.

- **REPAIR** - Regularly clean and repair any items installed on the roof. Check for debris or blockages in the vents. (If roof vents are properly maintained and sealed, yet you still have water dripping from the vents, it could be condensation.) Be sure all seals are tight, and check for loose screws or moldings

- **LOWER THE HUMIDITY INSIDE YOUR RV** - Keep indoor humidity below 60 percent relative humidity, (ideally between 30-50 percent). Relative humidity can be measured with a humidity meter, which is available at most hardware stores. The meter is an inexpensive way to avoid the far more costly repairs of water damage.

Note: Even if it is raining or snowing, opening a vent for more air circulation will decrease moisture. Ventilated air from outside is drier than interior air.

5 - Air Quality

Reducing Humidity Level

- When bathing, open the bathroom vent to allow steam and moisture to escape.
- Avoid hanging wet clothing inside to dry .
- If using a clothes dryer, be sure it is properly vented according to manufacturer's instructions.
- Remove and dry wet shoes and rain gear. Avoid allowing them to air dry inside causing rain or snow to soak into the carpet or rug.
- When cooking, avoid boiling. As an alternative, use the microwave when possible. Many items can be cooked in the microwave with minimal water.

Note: If you follow these guidelines and continue to have an excessive amount of moisture, you may want to consider using a dehumidifier.

REMINDER: Left unchecked, these repairs could become very costly and this type of preventable damage is not warrantable.

⚠ DANGER

RISK OF CARBON MONOXIDE POISONING.

THE COOK TOP AND OVEN PRODUCE DEADLY CARBON MONOXIDE GAS.

DO NOT ATTEMPT TO USE THE COOK TOP AND/OR OVEN TO ELIMINATE THE EFFECTS OF CONDENSATION.

IN ADDITION TO PRODUCING CARBON MONOXIDE GAS, THE FLAME WILL ADD MOISTURE TO THE AIR, THUS INCREASING THE CONDENSATION LEVEL.

Reducing Moisture

This following information outlines important recommendations to manage moisture in your new RV to avoid moisture-related damage, such as mold, which is caused by moisture. The materials and methods used to construct your RV were selected in part to minimize air leakage and to create a weather tight exterior shell. However, in order to protect your investment and reduce the risk of moisture-related damage and costly repairs, attention and care has to be taken to manage moisture inside your RV.

These suggestions are intended to minimize moisture-related issues with your RV. To maintain the of your investment, please read and follow the suggestions. Contact your manufacturer if you have any questions.

Interior Care of Your RV

Signs of excessive moisture can be obvious, such as water droplets forming on surfaces or wet carpet. Conversely, signs of excess moisture can be subtle, such as condensation forming on metal surfaces. When symptoms appear it is important to timely determine the cause of the excess moisture and take appropriate corrective action to prevent moisture related damage.

Control Relative Humidity

Monitoring and controlling relative humidity within the RV is one of the most important steps to minimize the risk for moisture-related damage. Ideally, relative humidity should be at 60% or less. Relative humidity can be monitored utilizing a portable hygrometer, a small device that measures temperature and relative humidity. Hygrometers are available at electronics or building supply stores. Use exhaust fans, the air conditioner, and /or a portable de-humidifier to manage moisture inside the RV to maintain relative humidity at 60% or less. In cold climates, relative humidity may need to be at 35% or less to avoid window condensation issues. If the RV is used the majority of the time in a hot-humid climate, it may be difficult to keep relative humidity below 60%. A de-humidifier will help, but it is important to check the condensation (water) collection bucket regularly or discharge the condensation (water) directly to a drain.

Avoid Drastic Thermostat Setbacks

Cooler surface temperatures increase the potential for condensation and surface mold growth. To minimize the opportunity for condensation to form on interior surfaces, maintain a comfortable temperature in your RV, and avoid nighttime setbacks of 10 degrees or more. Drastic setbacks that reduce the indoor air temperature quickly can increase the chance for airborne moisture to condense on cool surfaces such as windows. If you are away from your RV for an extended number of days, we recommend that you do not set the temperature back without taking other measures to manage relative humidity, including operating a de-humidifier with a continuous drain.

Manage Window Condensation

Window condensation issues can be identified by water or ice-build up, usually at the base of the window. The majority of these problems can be addressed by managing moisture generated inside the RV. Minor condensation issues are not unusual, especially for RV's used in colder climates. The key is to manage this small amount of moisture if evident by wiping the surface, and as discussed above, maintaining a reasonable relative humidity within the unit. To help minimize window condensation, use exhaust fans vented to the outside, avoid drastic changes in thermostat settings, do not use 'vent-free' heaters and use window coverings wisely. For

example, make sure to open curtains or blinds during the day to allow air to circulate and warm the window surface.

Carpet Care and Moisture Management

To keep your carpet serviceable and looking new for years to come, the carpet should be cleaned when it shows signs of discoloration or traffic patterns. A steam cleaning system should be used to clean the carpet unless otherwise noted by the carpet manufacturer or warranty information. To manage moisture from the cleaning process, the cleaning system needs to be capable of extracting the excess water from the carpet after it has been cleaned.

NOTICE

BE SURE THE CARPET IS THOROUGHLY DRY BEFORE CLOSING UP THE RV FOR STORAGE. WATER FROM THE CLEANING PROCESS CAN CAUSE SIGNIFICANT DAMAGE TO THE RV IF THE CARPET IS NOT COMPLETELY DRY BEFORE CLOSING UP THE RV FOR AN EXTENDED PERIOD.

Cleaning Tile and Wood Floors

Please refer to your owner's manual or warranty information for cleaning instructions for the tile or wood floor installed in your RV. Most floors only require a mild detergent and warm water for cleaning. More water on the floor is not always better for cleaning. Use a damp cloth to clean on a regular basis rather than wet mopping each time.

Storage & Other Isolated Areas within the RV

Storage areas are more difficult to condition since the areas are isolated from the main body of the RV. The surfaces of these areas are more at risk for condensation and surface mold growth. To minimize this risk, clean storage areas regularly, and allow an air space between stored items and the exterior wall to promote air circulation.

Use of Un-Vented Combustion Equipment

Un-vented combustion equipment, such as propane stove tops are a source of moisture within the RV. For every gallon of fuel consumed, approximately one gallon of water vapor is evaporated into the air. Operate an exhaust fan in combination with the use of any un-vented combustion appliance within the RV. Water vapor and other combustion by-products should be vented to the exterior of the RV. The RV owner should strictly follow use and maintenance instructions for safe operation of any combustion equipment, particularly un-vented equipment.

Exterior Care of Your RV

The exterior shell of the RV is the primary weather and moisture barrier. Over the life of the vehicle, the shell will require regular care and maintenance in accordance with the owner's manual. The shell includes the roof, sidewalls, windows, doors, and under-floor of the vehicle. Particular attention needs to be devoted to ensure these components are maintained to ensure a tight barrier against water intrusion.

The shell should be inspected periodically for tears, gaps, and condition of sealants. Areas that require maintenance should be re-sealed utilizing a similar, high quality sealant used by the manufacturer. Particular attention should be devoted to ensure the slide-outs are functioning properly. Each time a slide-out is used it should be inspected to ensure proper operation and sealing. The slide-out gaskets should also be inspected to ensure proper sealing when the slide-out is operated.

Use of Your RV

It is important to remember that the square footage of an RV is significantly less than that of a single family residence. This fact alone will elevate the relative humidity because there is less volume of air to help absorb or dissipate the humidity. For example, showering and cooking create a lot of humidity in a small area. In these instances, use of an exhaust fan and opening windows should reduce the relative humidity, particularly when living in the RV for an extended period.

Severe Environments

Prolonged use of your RV in severe environments - for example in extremely cold or hot-humid climates, will require extra care and maintenance to avoid moisture-related issues.

In both extremely cold and hot-humid climates, more attention needs to be focused on controlling relative humidity within the RV. It also may require the use of a portable dehumidifier to manage relative humidity within an acceptable range. This is discussed further in Interior Care Of Your RV section.

If you have any questions about moisture-related issues in the environment you plan to use the RV in for a majority of the time, contact your manufacturer's representative.

Storage of Your RV

During those periods when your RV is not in use, care must be taken to ensure moisture sources are addressed. Ideal storage of your RV would be in an enclosed climate controlled environment. When this is not possible, the

following steps should be taken to ensure moisture is controlled:

- Turn off all water sources;
- Turn off all combustion appliances;
- Drain the water tanks;
- Drain the water heater;
- Open all closets, cabinet doors and drawers;
- Close all windows and entrance doors;
- Open a vent or a window enough to allow for some limited ventilation air flow, but not so far as to allow snow or rain to enter;
- When storing the RV in high humidity climates (ambient relative humidity is greater than 60% year round), add a dehumidifier drained to exterior to control humidity inside the RV during storage.

Modifications to your RV

Consult your manufacturer for guidance and approval prior to making any modifications to your RV. It is very important that changes be completed by a qualified service technician to ensure moisture intrusion or accumulation problems do not occur.

Wet Areas

Areas that are exposed to water spills or leaks should be dried as soon as possible and definitely within 24-48 hours. Drying areas quickly minimizes the chance for moisture damage and possible mold growth, which can begin to form colonies in 48 hours. A variety of methods can be used to help the drying process:

- Remove excess water with an extraction vacuum
- Use a dehumidifier to aid drying
- Use portable fans to move air across the surface
- Because moisture is key to mold issues, treat all signs of condensation and spills seriously and deal with promptly. Failure to deal with a moisture issue promptly may cause more severe issues where none initially existed, or may make a small problem much worse.
- Learn to recognize signs of mold - don't paint over or cover up suspicious discoloration until you are sure it is not mold. The affected surface must first be cleaned and dried; residual staining may be painted;
- Be sure to understand and eliminate the source of moisture accumulation as a part of the clean-up. Otherwise, the same issues will simply reoccur; and
- Small amounts of mold should be cleaned as soon as it appears. Small areas of mold should be cleaned using a detergent/soapy solution or an appropriate household cleaner. Gloves should be worn during cleaning. The cleaned area should then be thoroughly dried. Dispose of any sponges or rags used to clean mold.

Additional Resources

If you are interested in more information on moisture management, here are some resources to review:

A Brief Guide to Mold, Moisture, and Your Home, by the U.S. Environmental Protection Agency, Office of Air and Radiation Indoor Environments Division (6609 J) 1200 Pennsylvania Ave., NW, Washington, DC 20460 EPA Publication #402-K-02-003

Moisture Problems in Manufactured Homes: Understanding Their Causes and Finding Solutions, by the Manufactured Housing Research Alliance, 2109 Broadway, Suite 200, New York, NY 10023. (212) 496-0900

Mold in Residential Buildings, by the National Homebuilder's Association Toolbase Technote July 2001 c/o NAHB Research Center, 400 Prince George's Blvd, Upper Marlboro, MD 20774. 301-249-4000

Mold Remediation in Schools and Commercial Buildings, by the U.S. Environmental Protection Agency, Office of Air and Radiation Indoor Environments Division (6609J) 1200 Pennsylvania Ave., NW, Washington, DC 20460 EPA Publication #402-K-01-001

6 - Safety Alarms

Safety Alarms and Fire Extinguisher

Your coach is equipped with a:
- Carbon monoxide detector
- LP gas leak detector
- Smoke detector
- Fire extinguisher.

Test each of the detectors and verify the fire extinguisher is functional after periods of storage, before each trip, or at least once per week.

Carbon Monoxide Detector

⚠ DANGER

RISK OF DEATH FROM CARBON MONOXIDE.

DO NOT OPERATE ANY GAS APPLIANCE, GENERATOR OR COACH ENGINE UNLESS THE CARBON MONOXIDE DETECTOR IS WORKING.

TEST THE CARBON MONOXIDE DETECTOR:
- **AFTER PERIODS OF STORAGE.**
- **BEFORE EACH TRIP.**
- **AT LEAST ONCE PER WEEK DURING USE.**

REPLACE THE DETECTOR'S BATTERY AT LEAST ONCE EVERY YEAR.

Procedures to take during an alarm.

Actuation of your CO alarm indicates the presence of carbon monoxide (CO) which can kill you.

If the alarm sounds:

1. Operate the reset/silence button;

2. Call your emergency services (Phone Number _____ _____) (fire department or 911);

3. Immediately move to fresh air - outdoors or by an open window. Do a head count to check that all persons are accounted for. Do not reenter the premises or move away from the open door/window until emergency responders have arrived, the premises have been aired out, and your alarm remains in its normal operation.

4. After following steps 1-3, if your alarm reactivates within a 24 hour period, repeat steps 1-3 and call a qualified appliance technician, (Phone Number _____ _____) to investigate for sources of CO from fuel burning equipment and appliances, and inspect for proper operation of this equipment.

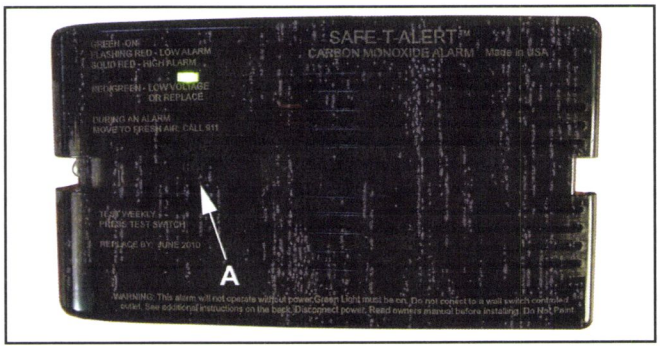
If problems are identified during this inspection, have the equipment serviced immediately. Note any combustion equipment not inspected by the technician and consult the manufacturer instructions or contact the manufacturer directly for more information about CO safety and this equipment.

Make sure that the motor vehicles are not, and have not been, operated in an attached garage or adjacent to the residence.

Press the test button (A) until alarm sounds, then release.

If alarm does not sound, replace the batteries by the vehicle battery converter and test again. If the carbon monoxide detector does not work, replace it before using any gas appliance, generator or coach engine.

Refer to the Owner's Manual provided with your carbon monoxide detector for additional safety, operating and maintenance information.



LP Gas Detector

⚠ DANGER

RISK OF EXPLOSION OR FIRE.

IF LP GAS IS DETECTED BY SMELL OR BY THE LP GAS DETECTOR:
- **EXTINGUISH ANY OPEN FLAMES, PILOT LIGHTS AND ALL SMOKING MATERIALS.**
- **DO NOT TOUCH ELECTRICAL SWITCHES.**
- **SHUT OFF LP GAS SUPPLY AT THE CONTAINER VALVE OR LP GAS SUPPLY CONNECTION.**
- **OPEN DOORS, WINDOWS AND VENTS.**
- **LEAVE THE AREA UNTIL ODOR CLEARS.**
- **HAVE THE LP GAS SYSTEM CHECKED AND LEAKAGE SOURCE CORRECTED BEFORE USING AGAIN.**
- **NEVER USE A FLAME TO LOCATE THE SOURCE OF A GAS LEAK.**

HAVE A QUALIFIED LP GAS TECHNICIAN CORRECT LP GAS LEAKAGE BEFORE USING AN LP GAS APPLIANCE.

6 - Safety Alarms

⚠ WARNING

RISK OF EXPLOSION OR FIRE.

DO NOT OPEN THE LP GAS SUPPLY VALVE UNLESS THE LP GAS DETECTOR IS WORKING.

TEST THE LP GAS DETECTOR:
- **AFTER PERIODS OF STORAGE.**
- **BEFORE EACH TRIP.**
- **AT LEAST ONCE PER WEEK DURING USE.**

The LP gas detector operates off of the coach 12 volt batteries.

Press the TEST button (A) until alarm sounds, then release button. The detector will sound alarm three times. The alarm lamp will flash red and then go out. The green operating lamp will be illuminated during normal operation.

Refer to the Owner's Manual provided for your LP gas detector for additional safety, operating and maintenance information.

Smoke Detector

⚠ WARNING

RISK OF DEATH FROM SMOKE INHALATION OR FIRE.

DO NOT USE YOUR COACH UNLESS THE SMOKE DETECTOR IS WORKING.

TEST THE SMOKE DETECTOR:
- **AFTER PERIODS OF STORAGE.**
- **BEFORE EACH TRIP.**
- **AT LEAST ONCE PER WEEK DURING USE.**

REPLACE THE DETECTOR'S BATTERY AT LEAST ONCE EVERY YEAR.

Press the test button on the smoke detector (1) until alarm sounds, then release. If alarm does not sound, replace the batteries and retest. If the detector still does not work, replace it before using the trailer.

Refer to the Owner's Manual provided for your smoke detector for additional safety, operating and maintenance information.

Fire Extinguisher

Refer to the Owner's Manual provided for your fire extinguisher for recommended replacement, recharging information, safety, operating and maintenance information.

7 - Backup And Side View Cameras

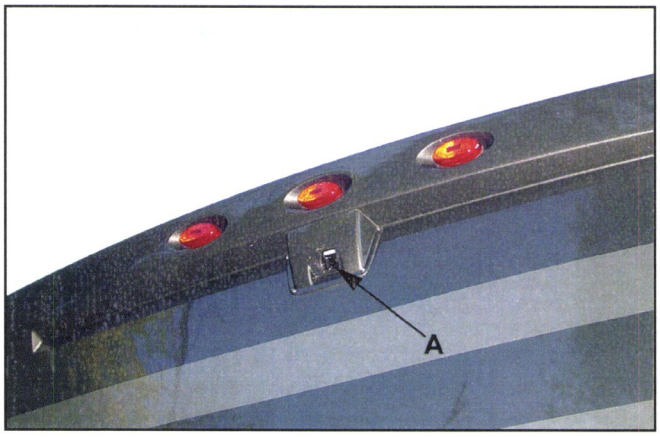
Cameras

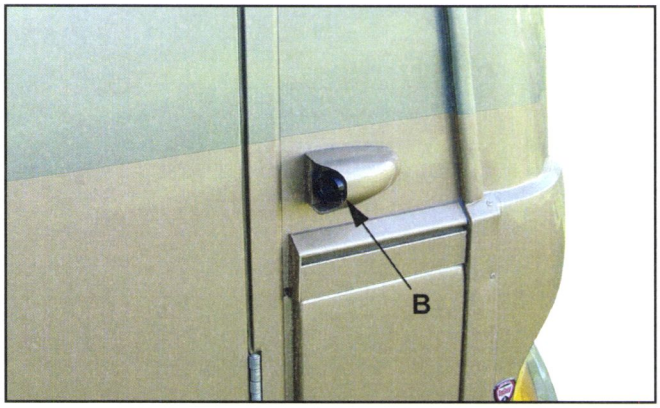
Your coach is equipped with a variable position backup camera (A), a right side view camera (B) and a left side view camera (C). The cameras are displayed on the monitor (D) on the right side of the dash. The rear camera is equipped with a microphone.

The cameras are functional with the ignition key in the ON position. The left or right side view cameras will come on when the turn signal is activated to the respective side. When the coach transmission is placed in reverse, the backup camera and monitor will turn ON automatically.

The monitor can be set to display one, two or all three cameras at one time using a split screen, or scan all cameras on up to a ten second interval.

Please refer to the Owner's Manual provided with your coach for additional information on the monitor and camera settings and features.





Setup Camera Display

1. Press the ON/OFF button (E) to turn display on.

7 - Backup And Side View Cameras

2. Press the MENU button (F) to display the menu screen.

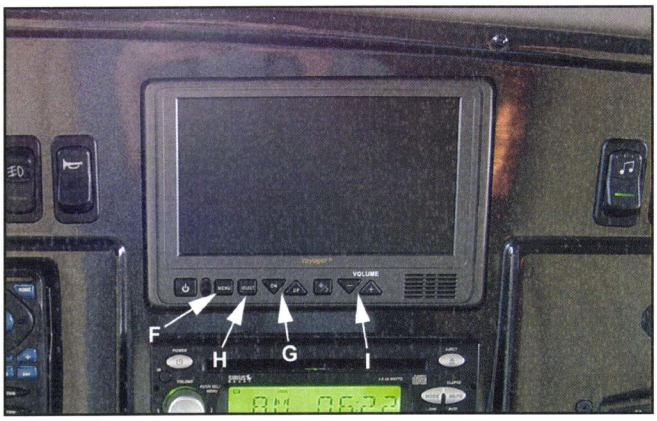
3. Use the UP or DOWN arrow buttons (G) to toggle between the menu selections. From the MENU screen, you can select:

- Brightness - Adjust brightness of the display.
- Contrast - Adjust contrast of the display.
- Color - Adjust color of the display.
- Tint - Adjust tint of the display.
- Input Setup - This is used when an additional camera is added or a change is made to the system.
- Auto Scan - Select the numbers of cameras and the display time on each camera.
- Split Screen - Select the screen layout for displaying the cameras.
- Distance Markers -
- Advanced Menu -

4. When the item you want is highlighted, press the SELECT button (H).

5. Press the MENU button (F) again to clear the screen.

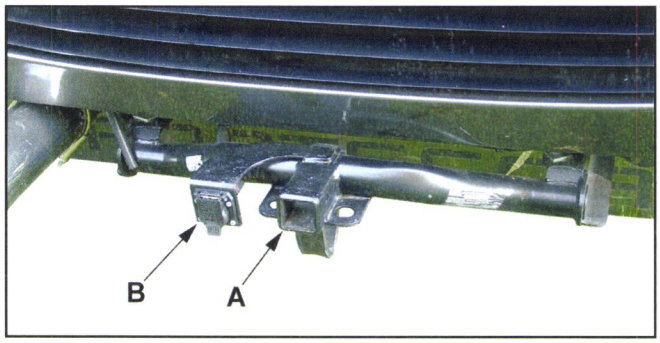
6. Adjust the volume of the rear camera microphone with the VOLUME buttons (I).



8 - Towing

Hitch

Your coach is equipped with a 10,000 lb. capacity hitch (A) and a seven pin electrical connector (B).



Your coach is prewired for a trailer brake control. A wire is routed from the dash to the 7-pin connector for the trailer brakes. The brake controller is not included and must be purchased separately.

The towing harness is fused through the coach chassis light system. Any additional lights on the trailer or towed vehicle are fused on an auxiliary circuit.

⚠ WARNING

LOSS OF CONTROL HAZARD.

EXCEEDING THE LIMITS OF THE HITCH AND COACH MAY RESULT IN LOSS OF CONTROL.

DO NOT EXCEED THE TOWING CAPACITY OF THE COACH AND THE LOAD RATING OF THE HITCH.

8 - TOWING

9 - Leveling System

Leveling System

Your coach is equipped with a 12 volt DC hydraulic leveling system. The motor and pump are located in bay 2 on the street side of the coach. The control pad is located on the left side of the drivers seat. Refer to the steps that follow and the leveling system manual provided with your coach for additional operational, safety and maintenance information.

⚠ WARNING

RISK OF INJURY.

NEVER USE THE LEVELING SYSTEM TO SUPPORT THE COACH FOR SERVICE OR MAINTENANCE WORK.

NEVER GO UNDER A COACH SUPPORTED BY THE LEVELING SYSTEM.

⚠ WARNING

RISK OF INJURY FROM AN UNSTABLE COACH.

A COACH WITH A TIRE OR TIRES OFF THE SURFACE IS UNSTABLE AND UNSAFE.

IF THE LEVELING SYSTEM RAISES A TIRE OR TIRES OFF THE SURFACE, MOVE THE COACH TO A MORE LEVEL LOCATION.

⚠ CAUTION

RISK OF INJURY.

KEEP BYSTANDERS CLEAR OF THE COACH WHILE LEVELING SYSTEM IS IN USE.

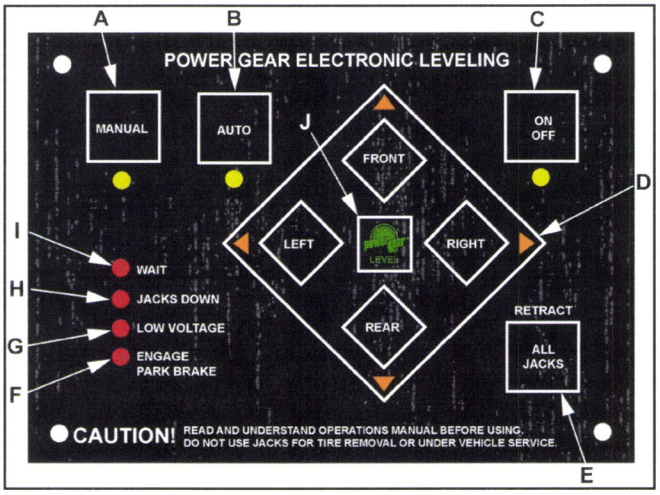
NOTICE

RISK OF COACH DAMAGE.

YOUR COACH MAY BE DAMAGED IF THE LEVELING SYSTEM IS OPERATED WITH SLIDEOUT(S) EXTENDED.

DO NOT OPERATE THE LEVELING SYSTEM WITH SLIDEOUT(S) EXTENDED.

Control Pad Buttons And Functions



A - MANUAL: Operate the system in the manual mode.
B - AUTO: Operate the system in the automatic mode.
C - ON/OFF: Turns system on or off.
D - JACK BUTTONS: Controls a side or end jacks.
E - RETRACT ALL JACKS: Push to retract all jacks simultaneously.
F - ENGAGE PARK BRAKE: Coach parking brake not engaged.
G - LOW VOLTAGE: Low battery voltage detected.
H - JACKS DOWN: One or more jacks not retracted.
I - WAIT: Auto level is active.
J - LEVEL LIGHT: Coach is level when illuminated.

Automatic Leveling Operation

1. Park the coach on a firm and reasonably level surface. If slope is excessive, the jacks may not have enough stroke to level the coach.

2. Place transmission in neutral, engage the parking brake, turn off the coach engine and remove key.

3. Visually verify that there are no obstacles or depressions under the coach that may interfere with the leveling legs.

NOTICE

RISK OF COACH DAMAGE.

THE LEVELING JACKS MAY SETTLE INTO A SOFT SURFACE.

USE LEVELING PADS OR BLOCKS UNDER THE JACKS IF PARKED ON A SOFT SURFACE.

4. Place leveling pads or blocks under jacks if parked on a soft surface.

9 - Leveling System

⚠ DANGER

RISK OF BRAIN DAMAGE OR DEATH FROM CARBON MONOXIDE.

THE COACH ENGINE EXHAUST CONTAINS CARBON MONOXIDE, AN ODORLESS COLORLESS GAS THAT CAN CAUSE SERIOUS BRAIN DAMAGE OR DEATH.

NEVER OPERATE THE ENGINE WHILE THE COACH IS IN A BUILDING OR CONFINED AREA.

THE GENERATOR AUTO START FUNCTION MUST BE DISABLED IF THE COACH IS IN A BUILDING OR CONFINED AREA.

AVOID ANY AREAS AND ACTIONS THAT EXPOSE YOU TO CARBON MONOXIDE.

5. The ignition key must be in the ACC or ON position and the coach engine should be running, but it is not required.

6. The leveling system will enter a self diagnostic check sequence. The lights on the touch pad will be blinking while in the diagnostic mode. When all indicator lights on the touch pad are off, the system has completed the diagnostic check.

7. Push the ON/OFF button (C) on the touch pad.

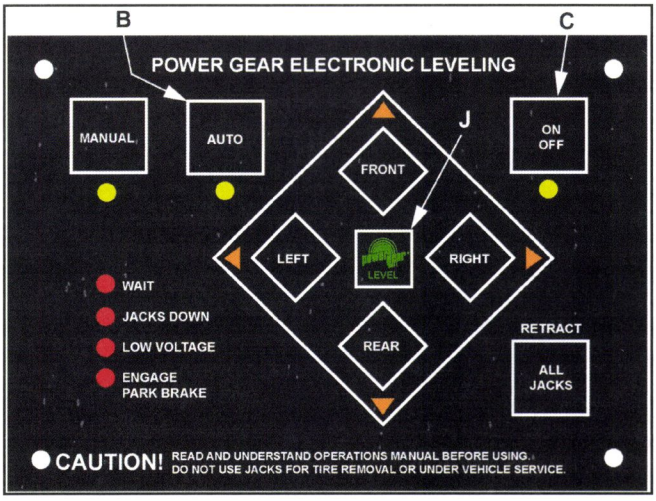
Note: Avoid any movement inside the coach during the automatic leveling procedure. Movement can cause errors in the results.

8. Push the AUTO button (B). The leveling system will automatically level the coach. When the LEVEL light (J) is illuminated, the system has completed the leveling procedure.

9. Check to be sure all leveling legs are down on the surface, leveling pads or blocks.

10. Check to be sure no tire is off the surface. A tire off the surface creates an unstable and unsafe condition. If a tire is off the surface, move the coach to a more level location where the tires and jacks will be on the surface.

11. If all tires and leveling legs are on the surface, the leveling procedure is complete. Push the ON/OFF button (C) to turn the system OFF. Turn off the coach engine.



Retract Leveling Legs

NOTICE

RISK OF COACH DAMAGE.

YOUR COACH MAY BE DAMAGED IF THE LEVELING SYSTEM IS OPERATED WITH SLIDEOUT(S) EXTENDED.

DO NOT OPERATE THE LEVELING SYSTEM WITH SLIDEOUT(S) EXTENDED.

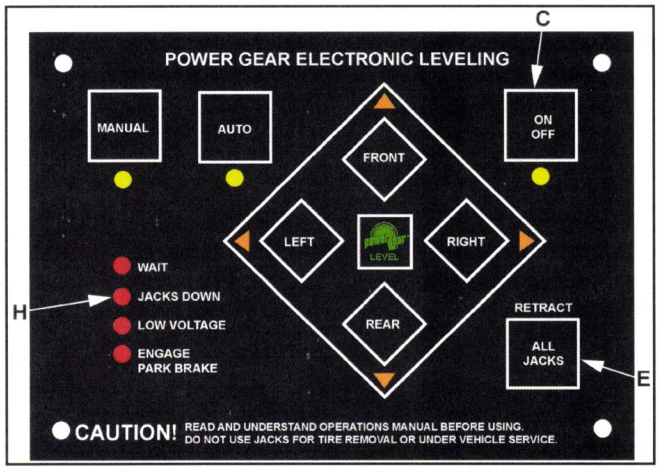
1. Turn the ignition key to the ACC or ON position.

2. If slideout(s) are extended, retract slideout(s) before retracting leveling legs.

3. Turn the leveling system on by pressing the ON/OFF button (C). The ON/OFF LED will be illuminated.

4. Push the ALL JACKS button (E). All the jacks will retract and when completed, the JACKS DOWN light (H) will go off. Turn ignition key to OFF.

5. Visually verify that all leveling jacks are retracted.



9 - Leveling System

Manual Leveling Operation

Leveling the coach manually may be desirable when a lot of side-to-side leveling is necessary.

1. Park the coach on a firm and reasonably level surface. If slope is excessive, the jacks may not have enough stroke to level the coach.

2. Place transmission in neutral, engage the parking brake, turn off the coach engine and remove key.

3. Visually verify that there are no obstacles or depressions under the coach that may interfere with the leveling legs.

NOTICE

RISK OF COACH DAMAGE.

THE LEVELING JACKS MAY SETTLE INTO A SOFT SURFACE.

USE LEVELING PADS OR BLOCKS UNDER THE JACKS IF PARKED ON A SOFT SURFACE.

4. Place leveling pads or blocks under jacks if parked on a soft surface.

⚠ DANGER

RISK OF BRAIN DAMAGE OR DEATH FROM CARBON MONOXIDE.

THE COACH ENGINE EXHAUST CONTAINS CARBON MONOXIDE, AN ODORLESS COLORLESS GAS THAT CAN CAUSE SERIOUS BRAIN DAMAGE OR DEATH.

NEVER OPERATE THE ENGINE WHILE THE COACH IS IN A BUILDING OR CONFINED AREA.

THE GENERATOR AUTO START FUNCTION MUST BE DISABLED IF THE COACH IS IN A BUILDING OR CONFINED AREA.

AVOID ANY AREAS AND ACTIONS THAT EXPOSE YOU TO CARBON MONOXIDE.

5. The ignition key must be in the ACC or ON position and the coach engine should be running, but it is not required.

6. Push the ON/OFF button (C) on the touch pad.

7. Push and hold the MANUAL button (A) for 5-7 seconds. The light under the manual button will be illuminated.

8. Push "FRONT" button (K) until the front of the coach rises at least 3 inches. This is necessary to allow the coach to pivot when leveling side to side. If there is insufficient jack stroke to raise the front of the coach 3 inches, you will need to move the coach to an area with less front to back slope, or a insert a block under each of the front jacks.

9. Push the REAR button (L) until the rear jacks contact the ground.

10. Next, level the coach front-to-rear. Check the touch pad to see if the leveling lights are illuminated above the FRONT (K) or below the REAR (L) buttons. A light indicates that side of the coach is low. Press and hold the button that has the indicator light illuminated until the center LEVEL light is illuminated, then release button. Both indicator lights on the FRONT and REAR buttons should be out.

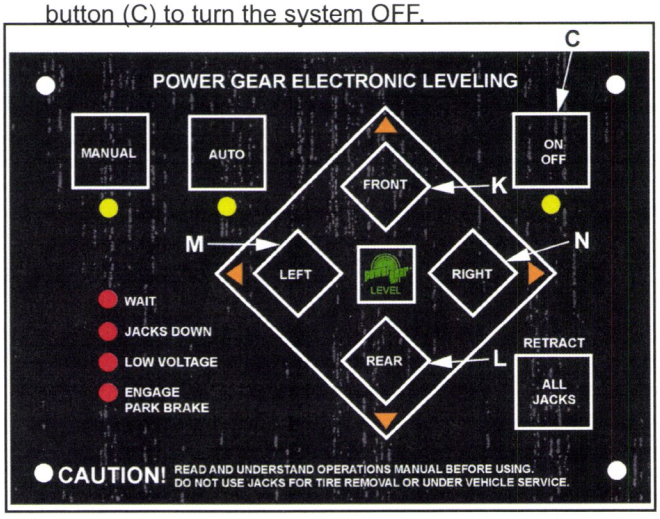
11. Next, level the coach side-to-side. Check the touch pad to see if the leveling lights are illuminated next the LEFT (M) or RIGHT (N) buttons. A light indicates that side of the coach is low. Press and hold the button that has the indicator light illuminated until the center LEVEL light is illuminated, then release button. Both indicator lights on the LEFT and RIGHT buttons should be out.

12. Repeat steps 10 and 11 if needed.

13. Check to be sure all leveling legs are down on the surface, leveling pads or blocks.

14. Check to be sure no tire is off the surface. A tire off the surface creates an unstable and unsafe condition. If a tire is off the surface, move the coach to a more level location where the tires and jacks will be on the surface.

15. If all tires and leveling legs are on the surface, the leveling procedure is complete. Push the ON/OFF button (C) to turn the system OFF.



9 - Leveling System

10 - SLIDEOUTS

Slideouts

Your coach can be equipped with one, two, three or four slideouts. Each slideout powered by a 12 volt DC motor or motors. The controls for the forward slideouts are located above the entry door. The controls for the rear slideouts are located on the bedroom wall. Each slideout is equipped with a manual override in case of a power failure or mechanical malfunction.

Note: *For coaches equipped with a full length single street side slideout, refer to the slideout manufacturers information provided with your coach for operational, safety and maintenance information.*

⚠WARNING

RISK OF DEATH OR SERIOUS INJURY FROM CRUSHING.

A MOVING SLIDEOUT CAN CRUSH PEOPLE OR OTHER OBJECTS.

KEEP PEOPLE AWAY FROM THE SLIDEOUT WHILE EXTENDING AND RETRACTING.

⚠WARNING

RISK OF DEATH OR SERIOUS INJURY.

A MODIFIED OR ALTERED SLIDEOUT MAY MALFUNCTION.

NEVER MODIFY OR ALTER THE SLIDEOUT AND/ OR DRIVE MECHANISM FOR ANY REASON.

SERVICE AND MAINTENANCE MUST BE PERFORMED BY A QUALIFIED TECHNICIAN.

NOTICE

RISK OF COACH DAMAGE.

YOUR COACH MAY BE DAMAGED IF ANY SLIDEOUT IS OPERATED BEFORE THE COACH IS LEVELED WITH THE LEVELING SYSTEM.

DO NOT OPERATE ANY SLIDEOUT BEFORE THE COACH IS LEVELED WITH THE LEVELING SYSTEM.

DO NOT OPERATE THE LEVELING SYSTEM WITH ANY SLIDEOUT EXTENDED.

NOTICE

RISK OF COACH DAMAGE.

BE CERTAIN THERE IS ADEQUATE CLEARANCE TO FULLY EXTEND THE SLIDEOUT(S).

NOTICE

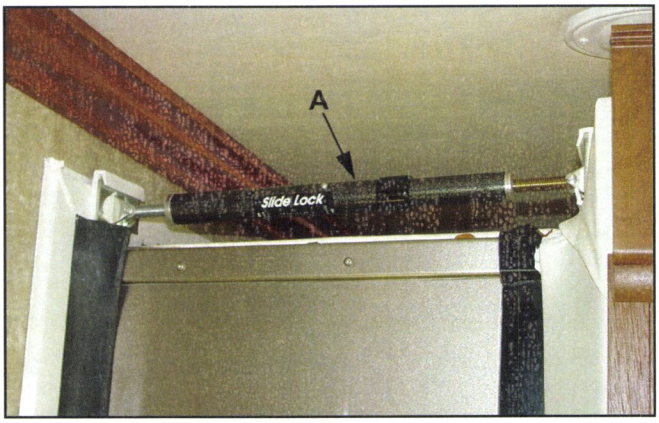
RISK OF COACH DAMAGE.

MAKE SURE THE DRIVERS SEAT IS IN THE FORWARD POSITION BEFORE OPERATING THE STREET SIDE FRONT SLIDEOUT.

Extend Slideouts

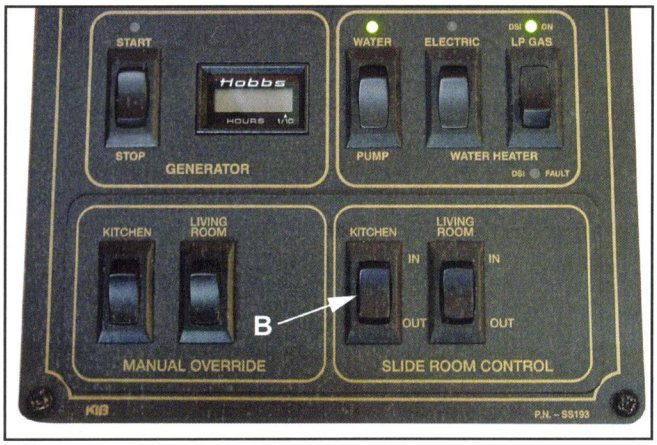
Note: In the steps below, the curb side front slideout is illustrated. The procedure is the same for the other slideouts.

1. Level the coach with the leveling system.
2. Turn the center of the slide-lock bar (A) to relieve tension and remove bar from the respective slideout.



3. Press and hold OUT on the switch (B) to extend the slideout. Release the switch to stop slideout movement at any time. Continue to hold the switch until slideout is fully extended and stops moving.

4. Release the switch.



5. Use steps 2-4 above to extend the remaining slideouts.

NOTICE

RISK OF COACH DAMAGE.

IT IS RECOMMENDED THAT THE SLIDEOUTS BE CLOSED DURING SEVERE WEATHER CONDITIONS. THIS WILL PREVENT WATER FROM POSSIBLY ENTERING THE COACH AROUND THE SLIDEOUT SEALS.

Retract Slideouts

⚠ WARNING

RISK OF DEATH OR SERIOUS INJURY FROM CRUSHING.

A MOVING SLIDEOUT CAN CRUSH PEOPLE OR OTHER OBJECTS.

KEEP PEOPLE AWAY FROM THE SLIDEOUT WHILE EXTENDING AND RETRACTING.

NOTICE

RISK OF COACH AND/OR EQUIPMENT DAMAGE.

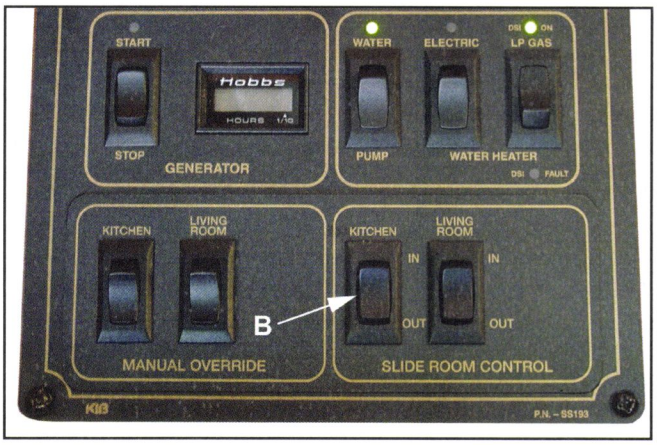
COACH AND OBSTRUCTIONS MAY BE DAMAGED BY THE RETRACTING SLIDEOUT.

REMOVE OBSTRUCTIONS FROM THE AREA BEFORE RETRACTING SLIDEOUT.

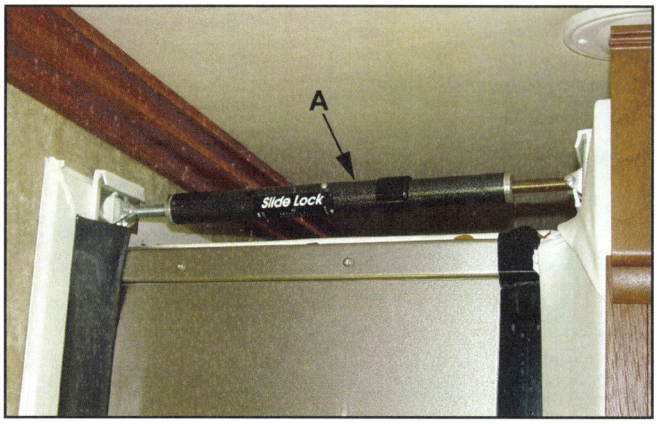
1. Clear people and obstructions from the area outside around the slideout and the area inside where the slideout will travel.

2. Press and hold IN on the switch (B) to retract the slideout. Release the switch to stop slideout movement at any time. Continue to hold the switch until slideout is fully retracted and stops moving.

3. Release the switch.



4. Install the slide-lock bar (A) on the top side of the slideout frame as shown. Apply a slight amount of tension by turning the center of the bar.



Your coach is equipped with a safety device that will not allow the coach transmission to be engaged with a slideout open. After performing the pre-trip inspection, if your coach transmission will not engage, check to be sure the slideouts are fully retracted.

10 - SLIDEOUTS

Manually Retract Slideouts

⚠ WARNING

RISK OF DEATH OR SERIOUS INJURY FROM CRUSHING.

A MOVING SLIDEOUT CAN CRUSH PEOPLE OR OTHER OBJECTS.

KEEP PEOPLE AWAY FROM THE SLIDEOUT WHILE EXTENDING AND RETRACTING.

NOTICE

RISK OF COACH AND/OR EQUIPMENT DAMAGE.

COACH AND OBSTRUCTIONS MAY BE DAMAGED BY THE RETRACTING SLIDEOUT.

REMOVE OBSTRUCTIONS FROM THE AREA BEFORE RETRACTING SLIDEOUT.

Each slideout is equipped with a manual override to extend or retract the slideout in the event of a power failure or mechanical malfunction.

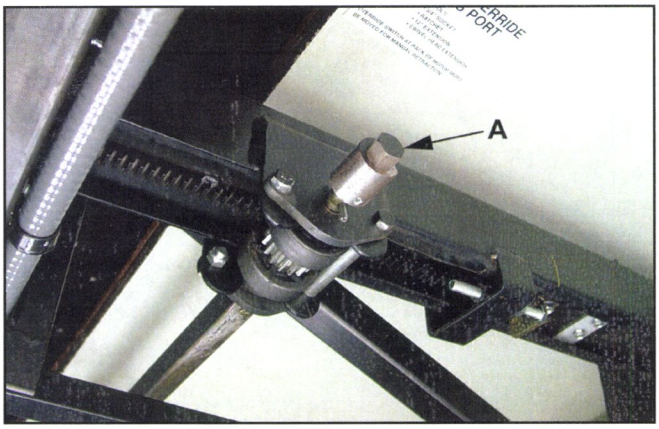
To manually override a slideout, two people are required. One person must hold the override switch inside the coach while another person manually cranks the slideout in or out.

The cranking mechanism is located below the respective slideout, on the top of the basement storage bay. Use the following steps to manually extend or retract a slideout.

You will need a ¾ inch socket, ratchet, 12 inch extension and a swivel head extension to manually move the slideout.

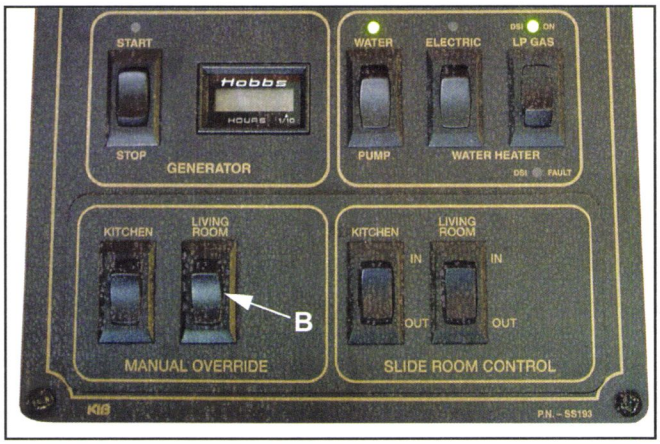
The street side front slideout is described and illustrated. The procedure is the same for the other slideouts.

1. Open the basement storage bay door and locate the slideout manual cranking shaft (A). Some cranking shafts will have a cover that will need to be removed.

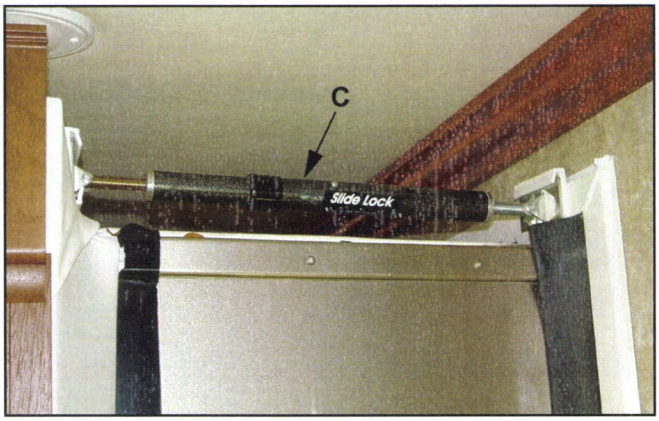


2. Assemble and install the socket, extensions and ratchet on the cranking shaft.

3. A second person must hold the slideout override switch (B) inside the coach while the slideout is being manually moved. Turn shaft to fully retract the slideout.



4. Install the slide-lock bar (C) on the top side of the slideout frame as shown. Apply a slight amount of tension by turning the center of the bar.



5. Remove tools and install cover (if equipped).

Your coach is equipped with a safety device that will not allow the coach transmission to be engaged with a slideout open. After performing the pre-trip inspection, if your coach transmission will not engage, check to be sure you have fully retracted the slideout.

Take your coach to a Coachmen service center to have the slideout inspected.

11 - LP Gas System

LP Gas System

The LP gas system in your coach can operate the cook top, oven, water heater, refrigerator and furnace.

The exhaust fumes from burning LP gas contains carbon monoxide. Carbon monoxide is an odorless, colorless gas that can cause brain damage and/or death.

Verify that the LP gas detector and carbon monoxide detector are operational before opening the LP gas supply valve.

The exhaust hood must be turned on and a window open while using the cook top and/or oven.

Keep the LP gas tank supply valve closed at all times, except when using gas appliances.

Do not use any cooking appliance for comfort heating in the coach.

Do not operate portable gas burning appliances or equipment in the coach.

Do not place an LP gas tank inside the coach for any reason.

⚠ DANGER

RISK OF CARBON MONOXIDE POISONING.

THE EXHAUST FROM BURNING LP GAS CONTAIN CARBON MONOXIDE.

CARBON MONOXIDE CAN ACCUMULATE IN ENCLOSED AND CONFINED AREAS.

DO NOT OPERATE ANY GAS APPLIANCE WHILE THE COACH IS IN A BUILDING OR CONFINED AREA.

AVOID ANY AREAS AND ACTIONS THAT EXPOSE YOU TO CARBON MONOXIDE.

Turn off all gas appliances and pilot lights before refueling LP gas tank or diesel fuel tank. Some automatic spark ignition appliances may continue to spark even after the gas is turned off at the supply valve.

Sparks or an open flame can ignite unburned LP gas. To prevent the accumulation of unburned LP gas inside the coach, you must:

- Turn appliances and LP gas tank supply valve off when not in use.
- Verify all appliances are off before opening LP gas tank supply valve.
- Verify that LP gas detector in the coach is operational.

⚠ DANGER

RISK OF EXPLOSION OR FIRE.

IF LP GAS IS DETECTED BY SMELL OR BY THE LP GAS DETECTOR:

- **EXTINGUISH ANY OPEN FLAMES, PILOT LIGHTS AND ALL SMOKING MATERIALS.**
- **DO NOT TOUCH ELECTRICAL SWITCHES.**
- **SHUT OFF LP GAS SUPPLY AT THE CONTAINER VALVE OR LP GAS SUPPLY CONNECTION.**
- **OPEN DOORS, WINDOWS AND VENTS.**
- **LEAVE THE AREA UNTIL ODOR CLEARS.**
- **HAVE THE LP GAS SYSTEM CHECKED AND LEAKAGE SOURCE CORRECTED BEFORE USING AGAIN.**
- **NEVER USE A FLAME TO LOCATE THE SOURCE OF A GAS LEAK.**

HAVE A QUALIFIED LP GAS TECHNICIAN CORRECT LP GAS LEAKAGE BEFORE USING AN LP GAS APPLIANCE.

⚠ WARNING

RISK OF EXPLOSION OR FIRE.

VERIFY THAT THE LP GAS DETECTOR IS OPERATIONAL BEFORE OPENING THE LP GAS SUPPLY VALVE.

TEST THE LP GAS DETECTOR:
• AFTER PERIODS OF STORAGE.
• BEFORE EACH TRIP.
• AT LEAST ONCE PER WEEK DURING USE.

The LP gas system in your coach is designed to operate on LP gas only, not natural gas. Natural gas is not safe for use in an LP gas system.

⚠ WARNING

RISK OF FIRE OR EXPLOSION.

THE LP GAS SYSTEM IN YOUR COACH IS NOT COMPATIBLE WITH NATURAL GAS.

DO NOT CONNECT A NATURAL GAS FUEL SOURCE TO THE LP GAS SYSTEM IN YOUR COACH.

11 - LP Gas System

LP Gas Troubleshooting

Having liquid "gas" at your appliance is an indication that the LP gas tank is overfilled. If your LP gas appliances do not stay lit, it may be due to air or moisture in the LP gas system. Most LP gas suppliers can purge air from an LP gas system.

If your LP gas system is not providing gas with the shutoff valve open, it may be due to ice in the LP gas regulator.

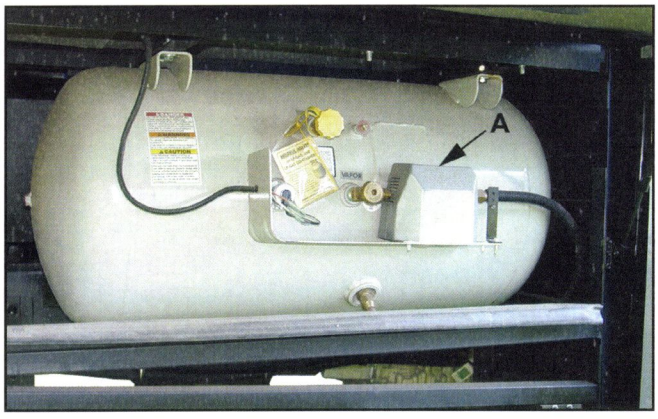
As the temperature decreases, so does the vaporization rate for LP gas. In winter conditions, the vaporization rate for LP gas may not be enough to allow normal gas consumption. An insufficient fuel supply will resemble a frozen regulator. Reduce gas consumption before having the regulator inspected.

LP Gas Tank Regulator

The regulator is located under the cover (A) on the LP gas supply tank. LP gas regulators must always be installed with the vent facing downward. Make sure that the regulator vent faces downward and that the cover is in place to minimize vent blockage that could result in excessive gas pressure, causing a fire or explosion.

Always have the tank refilled by a qualified LP gas supplier.

A regulator may freeze due to moisture in the LP gas, which can block the gas flow to the appliances. You can try thawing it with an incandescent light or contact your LP gas supplier. Keep the gas tank supply valves closed while not in use to help reduce the chance of moisture entering the LP gas system.



⚠ WARNING

RISK OF FIRE OR EXPLOSION.

A BLOCKED OR CLOGGED REGULATOR VENT CAN RESULT IN EXCESSIVE LP GAS PRESSURE.

THE REGULATOR MUST BE INSTALLED WITH THE VENT FACING DOWNWARD AND THE COVER INSTALLED.

⚠ WARNING

RISK OF FIRE OR EXPLOSION.

NEVER USE A FLAME, HAIR DRYER OR HEAT LAMP TO THAW A FROZEN LP GAS REGULATOR.

USE AN INCANDESCENT LIGHT BULB TO THAW A FROZEN LP GAS REGULATOR.

Traveling With LP Gas

While traveling, be sure to check your map and/or with the Department of Transportation for permissible routes. Some tunnels and roadways do not allow vehicles equipped with LP gas.

LP Gas Use In Cold Climates

It is important to remember that as the temperature decreases, so does the vaporization rate for LP gas. In cold weather conditions, the vaporization rate for LP gas may not be enough to allow normal gas consumption. A low vaporization rate or insufficient fuel supply will resemble a frozen LP gas regulator. Try reducing gas consumption before having the regulator inspected. The following chart indicates the temperature-to-energy ratio. The chart indicates the BTU's available from your LP gas at these temperatures.

Temperature	% Of BTU's Available
20° F	200 %
10° F	150 %
0° F	100 %
-5° F	75 %
-10° F	50 %
-15° F	25 %
-20° F	12.5 %
-44° F	0 %

11 - LP Gas System

LP Gas Tank

LP gas tanks are equipped with safety devices that relieve excess pressure by discharge gas to the atmosphere. This is normal. Never place or store an LP gas tank inside the coach or any other vehicle.

⚠ WARNING

RISK OF FIRE OR EXPLOSION.

LP GAS TANKS CAN DISCHARGE GAS TO THE ATMOSPHERE AS THE AIR TEMPERATURE CHANGES.

NEVER PLACE OR STORE AN LP GAS TANK OR OTHER FLAMMABLE LIQUIDS INSIDE THE COACH OR ANY OTHER VEHICLE.

FAILURE TO COMPLY COULD RESULT IN DEATH OR SERIOUS INJURY.

⚠ WARNING

RISK OF FIRE OR EXPLOSION.

OVERFILLING AN LP GAS CONTAINER CAN RESULT IN UNCONTROLLED GAS FLOW.

DO NOT FILL AN LP GAS CONTAINER TO MORE THAN 80 PERCENT OF CAPACITY.

FAILURE TO COMPLY COULD RESULT IN DEATH OR SERIOUS INJURY.

11 - LP Gas System

12 - Electrical System

Electrical System

Your coach is equipped with a 12 volt direct current (DC) electrical system and 120 volt alternating current (AC) electrical system. The 12 volt power is supplied by up to eight DC batteries. These batteries are recharged by the coach engine while traveling or by the power converter while connected to shore power or running the generator. The 120 volt power is supplied by the on-board generator or via connection through the shore power cord.

The 12 volt system operates the slideouts, furnace and water pump and some lights.

The 120 volt system operates the stove, refrigerator, microwave oven, audio-visual equipment, clothes washer/dryer, air conditioners and some lights.

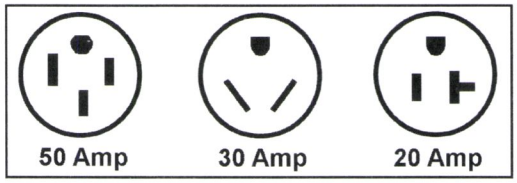
Generator

Your coach is equipped with an 8.0 kw generator. The generator is mounted under the front of the coach on a pull out rack. Typical situations when the generator will be used are:

- While traveling and air conditioner use is necessary.
- Parked or camping and shore power is not available.
- Parked or camping and the available shore power is inadequate for powering the necessary loads.

Shore Power

Your coach is equipped with a 50 foot, 50 amp shore power cord. The shore power cord is mounted on 12 volt power reel mounted in bay 7 on the street side of the coach. 30 amp and 20 amp adapters are provide in case your site does not have 50 amp power available. The following illustration identifies the 50, 30 and 20 amp connectors.



The shore power available at your site and weather conditions will dictate the electrical loads used in your coach and also determine if the generator is required. The three types of shore power are described below:

- 50 Amp - Both air conditioners and any other necessary loads may be used in the coach.
- 30 Amp - One air conditioner can be used along with other necessary loads in the coach. The generator will be required if you need both air conditioners.
- 20 Amp - This power is used for coach storage when only the battery chargers will be operated.

Inverter

Your coach is equipped with a 2000 watt inverter. The inverter takes 12 volt DC power and inverts it to 120 volt AC power. The inverter will also keep the coach and chassis batteries charged.

Generator Operation

⚠ DANGER

RISK OF BRAIN DAMAGE OR DEATH FROM CARBON MONOXIDE.

THE GENERATOR EXHAUST CONTAINS CARBON MONOXIDE, AN ODORLESS COLORLESS GAS THAT CAN CAUSE SERIOUS BRAIN DAMAGE OR DEATH.

NEVER OPERATE THE GENERATOR WHILE THE COACH IS IN A BUILDING OR CONFINED AREA.

THE GENERATOR AUTO START FUNCTION MUST BE DISABLED IF THE COACH IS IN A BUILDING OR CONFINED AREA.

AVOID ANY AREAS AND ACTIONS THAT EXPOSE YOU TO CARBON MONOXIDE.

TEST THE CARBON MONOXIDE DETECTOR IN THE COACH FOR PROPER OPERATION BEFORE STARTING THE GENERATOR.

⚠ WARNING

RISK OF ELECTROCUTION OR FIRE.

A MODIFIED OR ALTERED GENERATOR OR ELECTRICAL SYSTEM MAY MALFUNCTION.

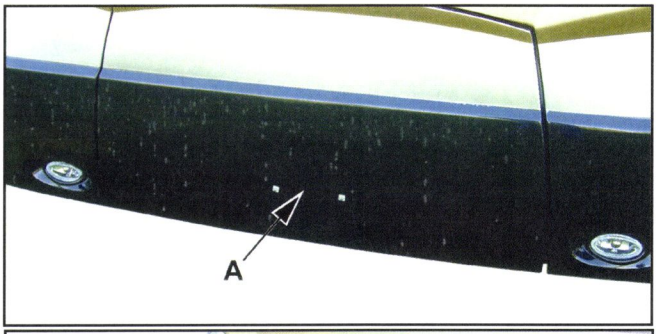
NEVER MODIFY OR ALTER THE GENERATOR OR ELECTRICAL SYSTEM FOR ANY REASON.

SERVICE AND MAINTENANCE MUST BE PERFORMED BY A QUALIFIED TECHNICIAN.

Starting The Generator

1. If the coach is running, engage the parking brake, stop the engine and remove key.

2. On the front of the coach, above the license plate, squeeze latch (A) and pull out generator.



3. Check the generator engine oil level and coolant level. Refer to the generator manual provided with your coach for check locations, oil and coolant specifications.

4. Push the generator in and latch pull out compartment.

5. Push and hold the switch at START until the generator starts. The status indicator light on the switch flashes during preheat and cranking. It will come on solid when the starter disconnects, indicating that the generator is running. Depending on how cold it is, preheat can take up to 15 seconds, extending the time that the light blinks.

NOTICE

EXCESSIVE CRANKING CAN OVERHEAT AND DAMAGE THE STARTER MOTOR.

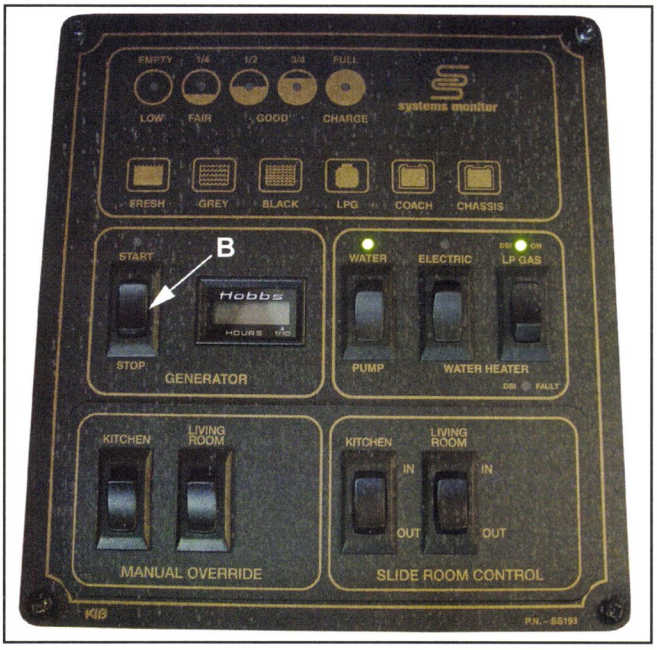
DO NOT CRANK FOR MORE THAN 20 SECONDS AT A TIME.

WAIT AT LEAST 2 MINUTES BEFORE TRYING AGAIN.

6. The GEN SET indicator lamp (C) will be illuminated after a minimum of ten seconds to indicate that the generator power has been accepted and is powering the electrical system.

7. See Troubleshooting in the generator operators manual if the generator does not start after three tries.

8. For top performance and engine life, especially in colder weather, let the engine warm up for two minutes before connecting appliances.



9. While the generator is running, it has priority over the shore power. You can leave the shore power cord connected to the power source. If the generator stops

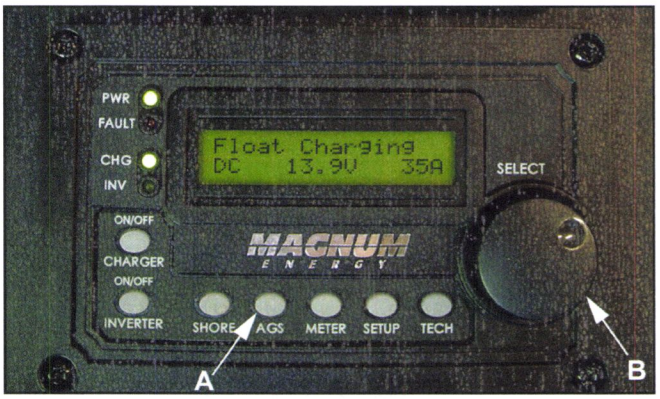
running, the coach electrical system will automatically switch over to the shore power source.

10. To stop the generator, push and hold STOP on the generator control switch (B) until the generator stops.

Disable Generator Auto Start

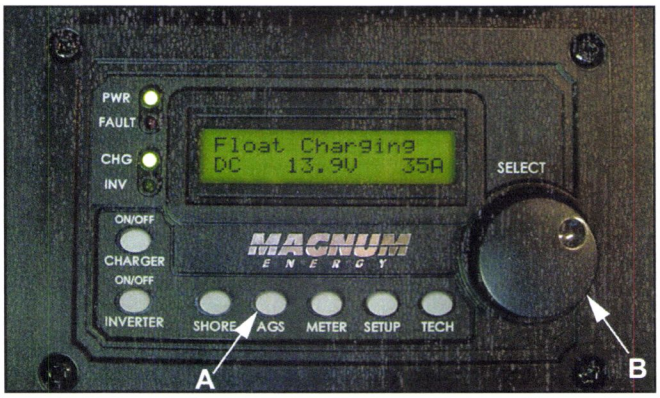
The generator auto start function must be disabled when the coach is in a building or confined area, or anytime service is being performed on the generator or electrical system. To disable the generator auto start function:

1. Select AGS button (A) on the control panel.
2. Turn the rotary select knob (B) until "AutoGenST OFF" is shown in the display.
3. Push the rotary select knob to select the function. The generator auto start function is now disabled.



Enable Generator Auto Start

1. Select AGS button (A) on the control panel.
2. Turn the rotary select know (B) until "AutoGenST ENABL" is shown in the display.
3. Push the rotary select knob to select the function. The generator auto start function is now enabled.



Additional Generator Auto Start Information

Please refer to the ME AGS Auto Gen Start Operator's Manual and the ME-RC Remote Control Owner's Manual provided with your coach for additional information on the generator auto start settings and features.

Shore Power

⚠ WARNING

RISK OF ELECTROCUTION OR FIRE.

A MODIFIED OR ALTERED SHORE POWER CORD OR ELECTRICAL SYSTEM MAY MALFUNCTION.

NEVER MODIFY OR ALTER THE SHORE POWER CORD OR ELECTRICAL SYSTEM FOR ANY REASON.

NEVER USE AN EXTENSION CORD.

NEVER REMOVE PRONGS FROM THE SHORE POWER CORD.

SERVICE AND MAINTENANCE MUST BE PERFORMED BY A QUALIFIED TECHNICIAN.

⚠ WARNING

RISK OF SEVERED FINGERS.

THE MOVING SHORE CORD CAN PINCH OR SEVER FINGERS IN THE REEL AND ROLLERS.

KEEP HANDS AWAY FROM THE REEL AND ROLLERS WHILE EXTENDING AND RETRACTING SHORE CORD.

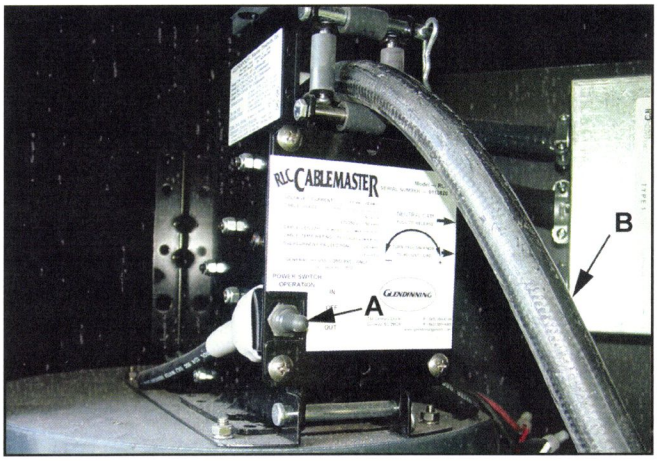
12 - Electrical System

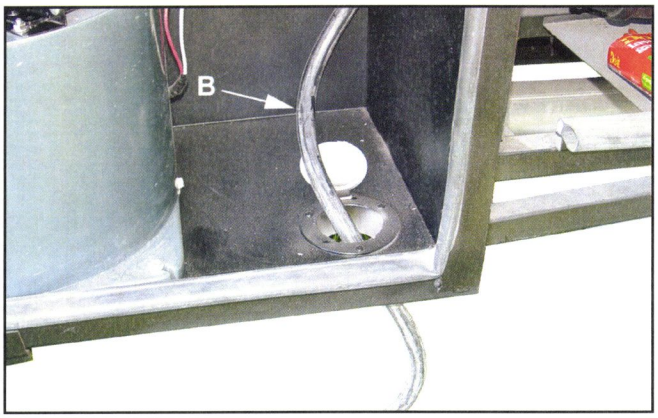
Connect To Shore Power

1. The shore cord is located in bay 7 on the street side. Open the bay door and move cord reel switch (A) down to extend the cord. Pull the cord (B) out while holding the switch. Pull out enough cord to reach the power source.

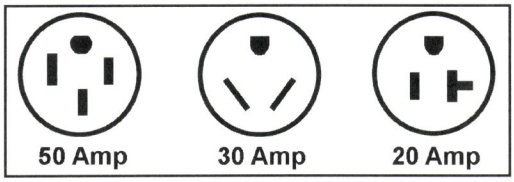
2. Remove the plug in the bay floor and route cord (B) through hole in bay floor.

3. Close bay door.





4. The shore cord is equipped with a 50 amp connector. 30 amp and 20 amp adapters are provided in case your site does not have 50 amp power available. The following illustration identifies the 50, 30 and 20 amp connectors.



The shore power available at your site and weather conditions will dictate the electrical loads used in your coach and also determine if the generator is required. The three types of shore power are described below:

- 50 Amp - Both air conditioners and any other necessary loads may be used in the coach.
- 30 Amp - One air conditioner can be used along with other necessary loads in the coach.
- 20 Amp - This power is used for coach storage when only the battery chargers will be operated.

You may need to move your coach to new site if the available shore power does not meet your power requirements.

5. Connect the shore power cord to the source of shore power.

6. The indicator lamp (C) will be illuminated after a minimum of ten seconds to indicate that the shore power has been accepted and is powering the electrical system. The illustration below indicates 50 amp shore power.

Disconnect From Shore Power

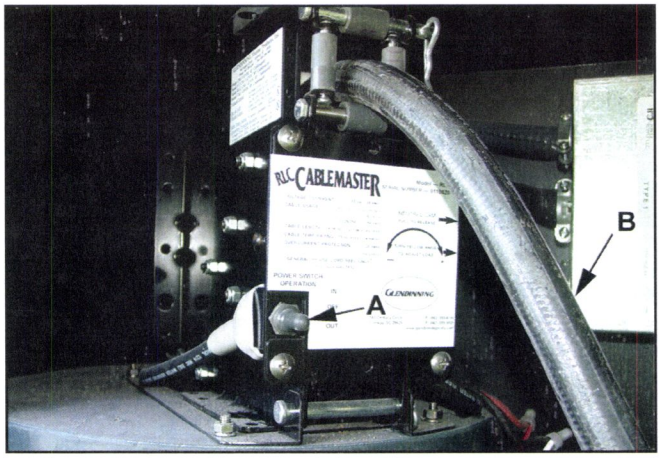
1. Turn off all major loads in the coach.
2. If you will be operating the generator to power the coach, see Generator Operation in this section.
3. Disconnect the shore power cord from the power source.
4. Open the door on bay 7 on the street side.
5. Pull the cord back through the access hole in the bay floor.
6. Lay the cord out in a straight line with no knots or twists.

⚠ WARNING

RISK OF SEVERED FINGERS.

THE MOVING SHORE CORD CAN PINCH OR SEVER FINGERS IN THE REEL AND ROLLERS.

KEEP HANDS AWAY FROM THE REEL AND ROLLERS WHILE EXTENDING AND RETRACTING SHORE CORD.



7. Move cord reel switch (A) up to retract the cord. Do not hold the cord (B) and keep hands away from the reel and rollers. Release switch when cord is fully retracted.

Chassis Disconnect Switch

You must disconnect the chassis electrical system whenever the engine will not be started for a period greater than 48 hours. The chassis disconnect switch (A) is located behind the rear engine compartment door or by the battery compartment.

Inverter

⚠ WARNING

RISK OF ELECTROCUTION OR FIRE.

A MODIFIED OR ALTERED INVERTER OR ELECTRICAL SYSTEM MAY MALFUNCTION.

NEVER MODIFY OR ALTER THE INVERTER OR ELECTRICAL SYSTEM FOR ANY REASON.

SERVICE AND MAINTENANCE MUST BE PERFORMED BY A QUALIFIED TECHNICIAN.

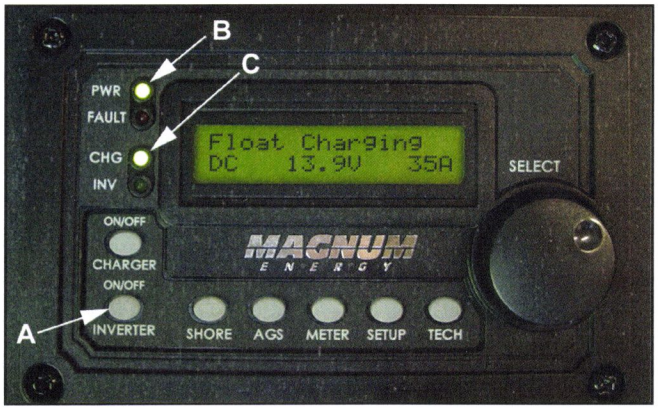
The inverter takes 12 volt DC power on inverts it to 120 volt AC power which allows you to operate selected 120 volt loads in the coach while not connected to shore power or running the generator. The number of loads that may be operated while inverting is limited and vary by floor plan and installed options.

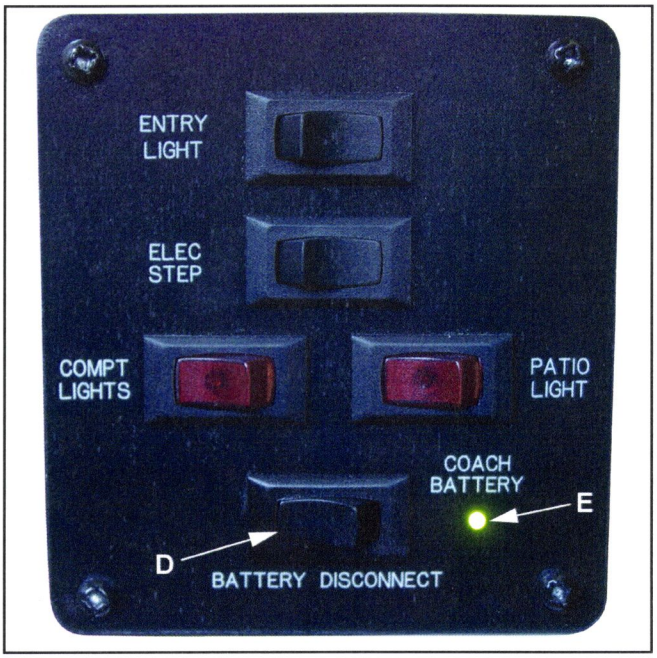
While connected to shore power or running the generator, the inverter will charge the coach and chassis batteries.

1. Turn the inverter on at the control panel by pressing the INVERTER ON/OFF button (A). The PWR lamp (B) will be illuminated. If the FAULT lamp is illuminated, contact a qualified technician to check the system.

2. The CHG lamp (C) will be illuminated when the inverter is taking shore power or generator power and charging the coach batteries.

The coach battery disconnect switch (D) should be ON to allow the inverter to charge the coach batteries. The COACH BATTERY lamp (E) may be illuminated when the switch is on and the batteries are connected to the electrical system for charging purposes.





13 - Heating And Air Conditioning

Heating

Your coach can be equipped with one or two furnaces. With two furnaces, each furnace operates independently to heat two zones in your coach. Zone 1 is the bedroom and bath area and zone 2 is the kitchen, dinette and living room area.

Each furnace is 12 volt controlled with electronic spark ignition. The coach has heating ducts installed in the water and waste tank areas to prevent the tanks from freezing. The furnaces use a centrally located thermostat that operates both the furnaces and air conditioning.

⚠ DANGER

RISK OF CARBON MONOXIDE POISONING.

THE EXHAUST FROM THE FURNACE CONTAINS CARBON MONOXIDE.

CARBON MONOXIDE CAN ACCUMULATE IN ENCLOSED AND CONFINED AREAS.

DO NOT OPERATE THE FURNACE WHILE THE COACH IS IN A BUILDING OR CONFINED AREA.

AVOID ANY AREAS AND ACTIONS THAT EXPOSE YOU TO CARBON MONOXIDE.

⚠ DANGER

RISK OF EXPLOSION OR FIRE.

IF LP GAS IS DETECTED BY SMELL OR BY THE LP GAS DETECTOR:

- **EXTINGUISH ANY OPEN FLAMES, PILOT LIGHTS AND ALL SMOKING MATERIALS.**
- **DO NOT TOUCH ELECTRICAL SWITCHES.**
- **SHUT OFF LP GAS SUPPLY AT THE CONTAINER VALVE OR LP GAS SUPPLY CONNECTION.**
- **OPEN DOORS, WINDOWS AND VENTS.**
- **LEAVE THE AREA UNTIL ODOR CLEARS.**
- **HAVE THE LP GAS SYSTEM CHECKED AND LEAKAGE SOURCE CORRECTED BEFORE USING AGAIN.**
- **NEVER USE A FLAME TO LOCATE THE SOURCE OF A GAS LEAK.**

HAVE A QUALIFIED LP GAS TECHNICIAN CORRECT LP GAS LEAKAGE BEFORE USING AN LP GAS APPLIANCE.

⚠ WARNING

RISK OF FIRE OR EXPLOSION.

NEVER STORE FLAMMABLES NEAR THIS OR ANY OTHER APPLIANCE.

APPLIANCES AND LP GAS VALVE MUST BE TURNED OFF WHILE REFUELING COACH OR LP GAS TANK.

⚠ WARNING

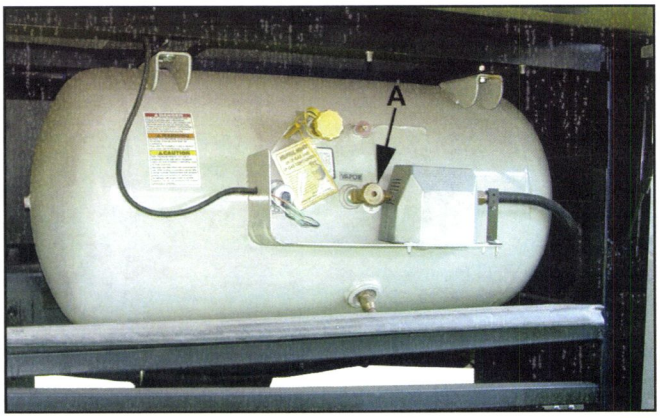
RISK OF FIRE OR ASPHYXIATION.

NEVER USE PORTABLE FUEL BURNING EQUIPMENT INCLUDING WOOD AND CHARCOAL STOVES INSIDE THE COACH OR ANY OTHER VEHICLE.

FAILURE TO COMPLY COULD RESULT IN DEATH OR SERIOUS INJURY.

Furnace Operation While Parked And Traveling

1. Open the LP gas tank supply valve (A). The tank is located in the rear bay on the curb side of the coach.



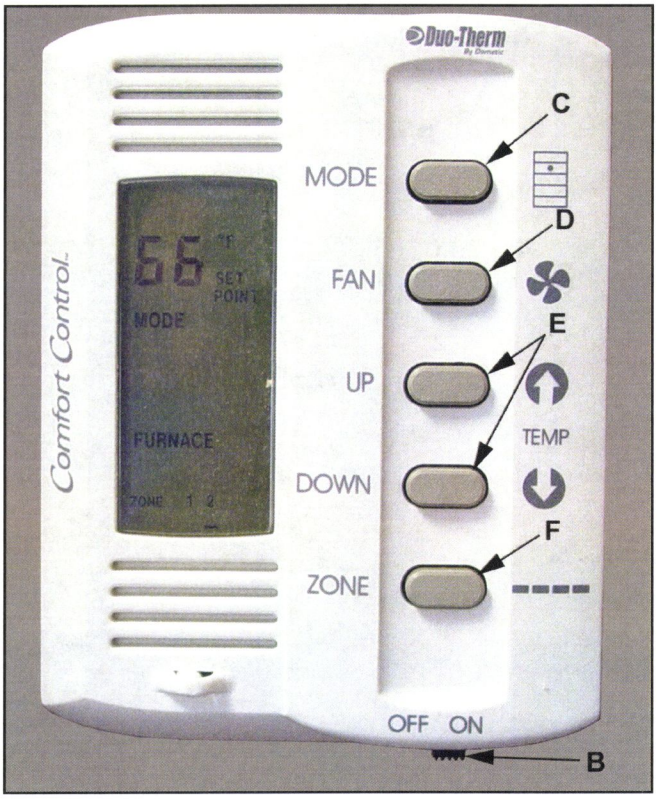
2. Locate the thermostat inside the coach.
3. Turn the ON/OFF switch (B) to ON.
4. Press the MODE button (C) until FURNACE appears in the display.
5. Press the ZONE button (F) to select between zones 1 and 2. Zone 1 is the bedroom and bath area and zone 2 is the kitchen, dinette and living room area. Coaches with one furnace will show zone one only.
6. Use the UP and DOWN buttons (E) to set the desired temperature in each zone. It is recommended to set the two zone temperatures 3-5 degrees apart. By

13 - Heating And Air Conditioning

doing this, one furnace can heat the coach in mild conditions and the second furnace will come on if needed.

7. Use the FAN button (D) to select between automatic and continuous on. It is recommended to set the fan in the automatic mode so the fan only runs while the furnace is on.

8. To turn the furnace off, move switch (B) to OFF and turn LP gas supply valve (A) off if no other gas appliances are being used.



Air Conditioning

Your coach is equipped with two roof mounted air conditioners. Each air conditioner operates independently to cool two zones in your coach. Zone 1 is the bedroom and bath area and zone 2 is the kitchen, dinette and living room area.

The air conditioners require 120 volt AC power. See the following list to determine the air conditioner use based on your available electrical input.

- 50 Amp Shore Power - Both air conditioners can be operated.
- 30 Amp Shore Power - One air conditioner can be operated.
- 20 Amp Shore Power - Not sufficient for air conditioner operation.
- Generator - Both air conditioners can be operated.

The air conditioners use a centrally located thermostat that operates both the furnaces and air conditioning.

Air Conditioner Operation While Parked

1. Check the service type meter on the panel above the entry door. The 50 AMP (A) indicator is illuminated. Referring to the list above, 50 amp power is sufficient to operate both air conditioners.

If the 30 amp or 20 amp indicator is illuminated and weather conditions require both air conditioners to be operated, you will need to move to a site where 50 amp shore power is available or use the coach generator for electrical power.

⚠ DANGER

RISK OF CARBON MONOXIDE POISONING.

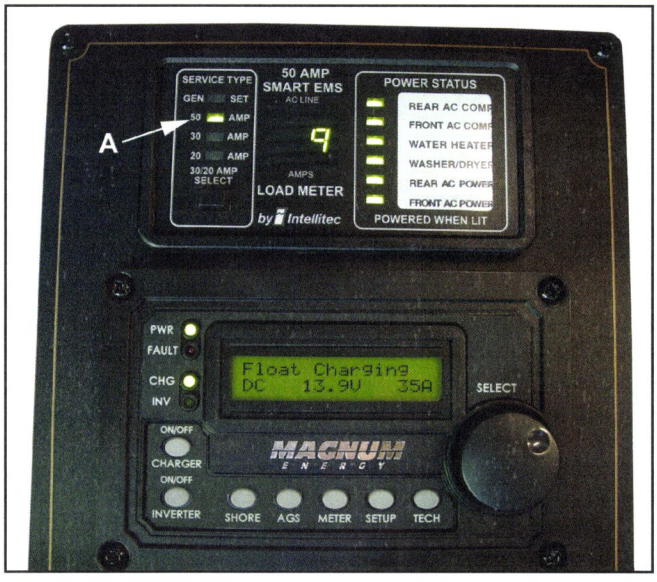
THE EXHAUST FROM THE GENERATOR CONTAINS CARBON MONOXIDE.

CARBON MONOXIDE CAN ACCUMULATE IN ENCLOSED AND CONFINED AREAS.

DO NOT OPERATE THE GENERATOR WHILE THE COACH IS IN A BUILDING OR CONFINED AREA.

DISABLE THE GENERATOR AUTO START FUNCTION BEFORE PARKING THE COACH IN A BUILDING OR CONFINED AREA.

AVOID ANY AREAS AND ACTIONS THAT EXPOSE YOU TO CARBON MONOXIDE.



2. Locate the thermostat inside the coach.

3. Turn the ON/OFF switch (B) to ON.

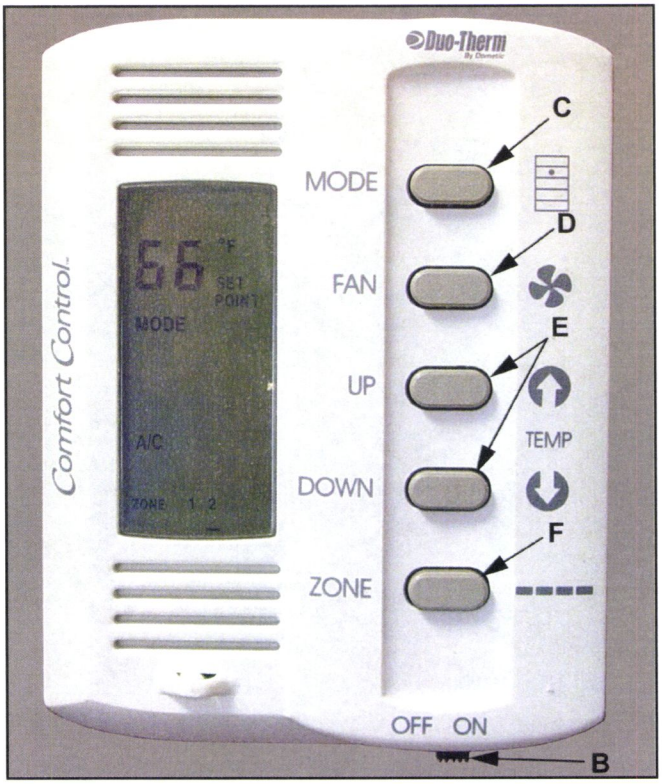
4. Press the MODE button (C) until A/C appears in the display.

5. Press the ZONE button (F) to select between zones 1 and 2. Zone 1 is the bedroom and bath area and zone 2 is the kitchen, dinette and living room area.

6. Use the UP and DOWN buttons (E) to set the desired temperature in each zone. It is recommended to set the two zone temperatures 3-5 degrees apart. By doing this, one air conditioner can cool the coach in mild conditions and the second air conditioner will come on if needed. Both air conditioners coming on at the same time may create a excessive load on the electrical system.

7. Use the FAN button (D) to select between automatic and continuous on. It is recommended to set the fan in the automatic mode so the fan only runs while the air conditioning is on.

8. To turn the air conditioning off, move switch (B) to OFF.



Air Conditioner Operation While Traveling

To operate one or both air conditioners while traveling, you will need to use the coach generator for electrical power. The generator start/stop switch is located on the control panel above the entry door. Before starting the generator, perform the generator pre-start checks as described in the Electrical System section.

⚠ DANGER

RISK OF CARBON MONOXIDE POISONING.

THE EXHAUST FROM THE GENERATOR CONTAINS CARBON MONOXIDE.

CARBON MONOXIDE CAN ACCUMULATE IN ENCLOSED AND CONFINED AREAS.

DO NOT OPERATE THE GENERATOR WHILE THE COACH IS IN A BUILDING OR CONFINED AREA.

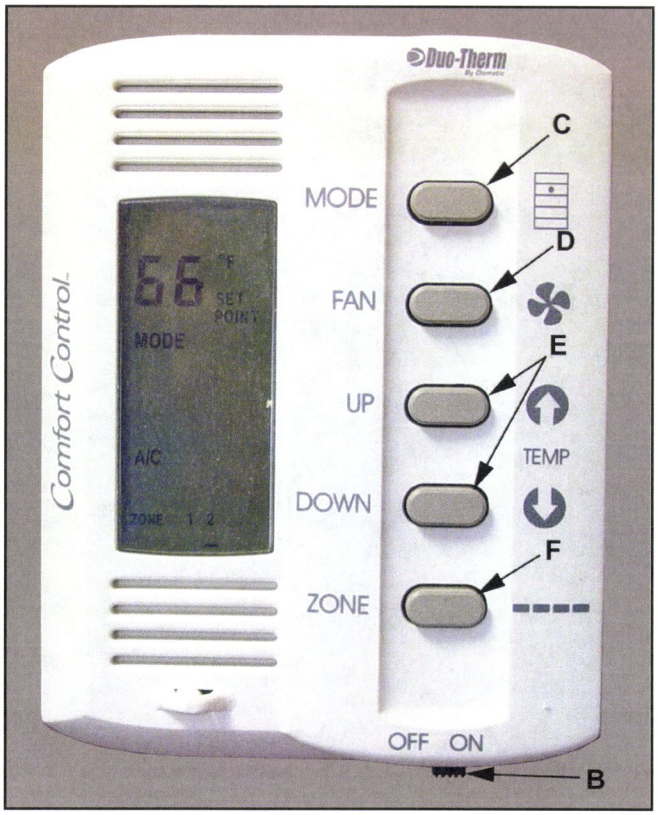
DISABLE THE GENERATOR AUTO START FUNCTION BEFORE PARKING THE COACH IN A BUILDING OR CONFINED AREA.

AVOID ANY AREAS AND ACTIONS THAT EXPOSE YOU TO CARBON MONOXIDE.

13 - Heating And Air Conditioning

1. Perform the generator pre-start checks as described in the Electrical System section.
2. Press and hold START on the generator control switch (A) until the generator starts.
3. The GEN SET indicator light (B) will be illuminated after a minimum of ten seconds to indicate that the generator power has been accepted and is powering the electrical system.

4. Locate the thermostat inside the coach.
5. Turn the ON/OFF switch (B) to ON.
6. Press the MODE button (C) until A/C appears in the display.
7. Press the ZONE button (F) to select between zones 1 and 2. Zone 1 is the bedroom and bath area and zone 2 is the kitchen, dinette and living room area.
8. Use the UP and DOWN buttons (E) to set the desired temperature in each zone. It is recommended to set the two zone temperatures 3-5 degrees apart. By doing this, one air conditioner can cool the coach in mild conditions and the second air conditioner will come on if needed. Both air conditioners coming on at the same time may create a excessive load on the electrical system.
9. Use the FAN button (D) to select between automatic and continuous on. It is recommended to set the fan in the automatic mode so the fan only runs while the air conditioning is on.
10. To turn the air conditioning off, move switch (B) to OFF.



11. If the air conditioners are no longer needed, stop the generator by pressing STOP on the generator control switch.

14 - Water System

Water System

The water system in your coach consists of a:

- Potable water tank.
- Sewage (black) tank.
- Waste (grey) tank.
- 12 volt DC water pump.
- Gas/electric water heater.

Fresh (potable) water can be supplied from two sources, from an external water supply (city water connection) or from the coach water tank.

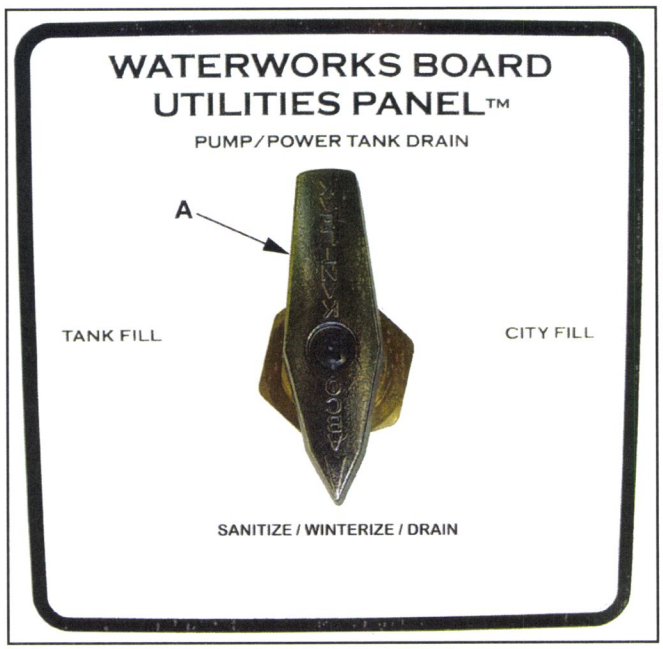
The fresh water system is equipped with an on-demand water pump. When a faucet is opened, the pump will come on to supply water to the opened faucet. When the faucet is closed, the pump shuts off. There is a water pump switch located in the water system bay, above the entry door, in the bathroom and in the bedroom.

You can check the level of the fresh tank, grey tank and black tank by pressing and holding the appropriate button (A) on the systems monitor panel. The level in the tank will be displayed on the indicators (B) at the top of the panel.

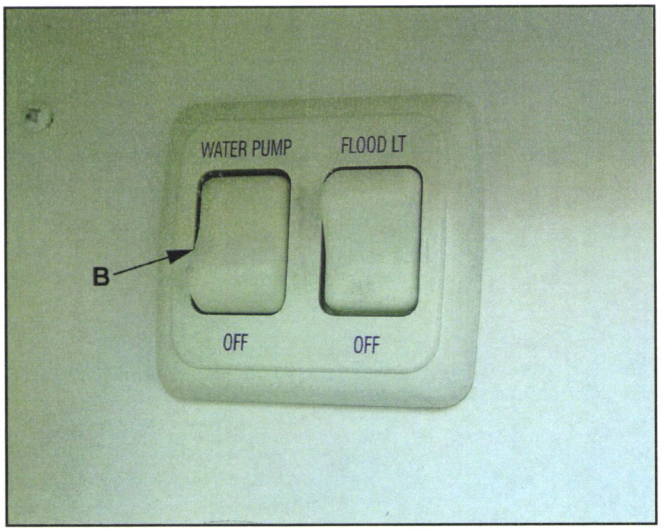
Disinfect Potable Water System

Disinfect the potable water system before use, after periods of non-use, every six months during normal usage and after any suspected contamination. To properly sanitize the potable water system:

1. Prepare a chlorine solution using 1 gallon of water and ¼ cup of household bleach (5% sodium hypochlorite solution) for every 15 gallons of potable water tank capacity.
2. With the water tank empty, connect a potable water hose to the City Water Fill connection. Place the other end of the hose into the container of chlorine solution. Move the water board valve (A) to the SANITIZE/ WINTERIZE/DRAIN position.



3. Turn the water pump switch (B) on.



4. Run water pump until all of the chlorine solution is pumped into the potable water tank.
5. Turn off pump.
6. Connect the hose to a potable water source.
7. Move the water board valve to the TANK FILL position.
8. Complete filling of tank with fresh water.

9. Turn on the water pump and open each faucet to release air and continue to run the water until a distinct odor of chlorine can be detected in the water discharge. Turn off faucet when chlorine is smelled.

10. Allow the solution to stand in the system at least 4 hours. Disinfection will not occur if the solution is removed before the 4 hour time period.

11. Disconnect the water hose from the coach and water source.

12. Drain water tank at an RV waste dumping facility and flush tank with fresh potable water.

Fill Potable Water Tank

The water tank connection is located in a outside bay, usually near the bathroom.

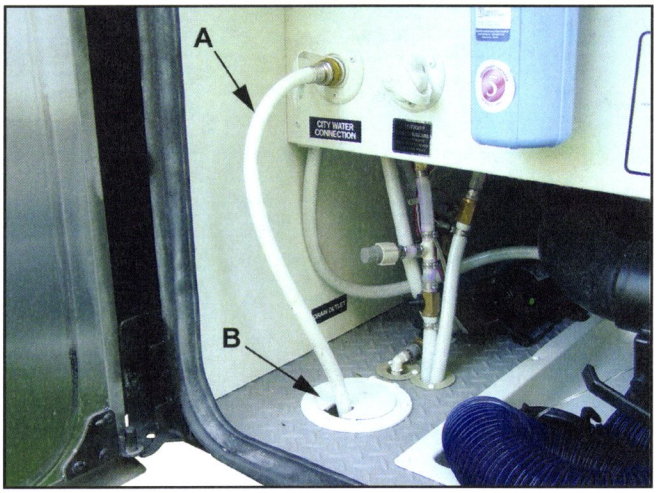
⚠ CAUTION

RISK OF CONTAMINATED WATER.

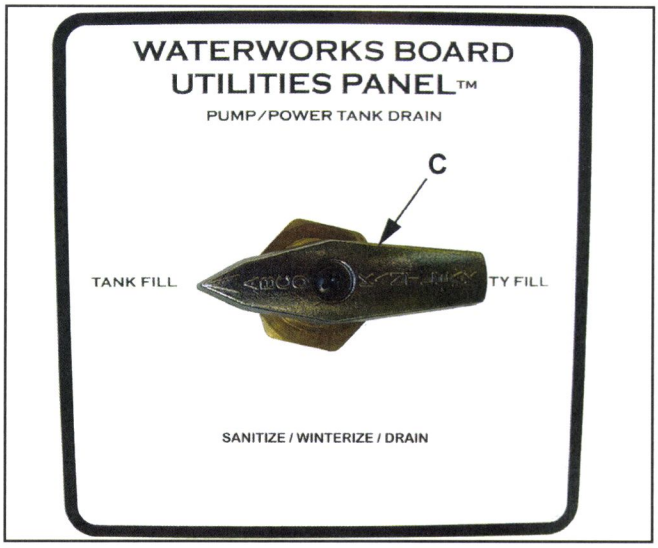
BE CERTAIN YOUR TANK IS FILLED FROM AN APPROVED POTABLE WATER SOURCE OR A SOURCE YOU KNOW IS SAFE.

ALWAYS USE A POTABLE (WHITE) WATER HOSE TO FILL YOUR TANK.

1. Route a clean potable water hose (A) through the access hole (B) in bay floor and connect to the city water connector. If you will be disconnecting the hose after filling the tank, you do not need to route the hose through the access hole.



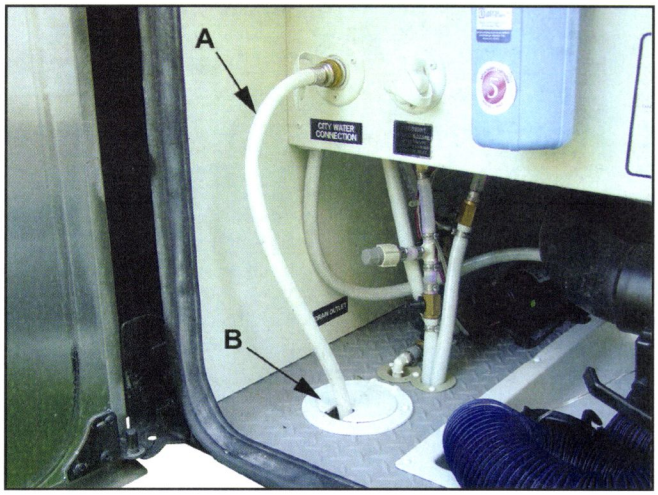
2. Move the water board valve (C) to the TANK FILL position. Turn on water supply to fill tank.



3. Turn off water supply and remove hose when tank is full.

Using City Water

1. Route a clean potable water hose (A) through the access hole (B) in bay floor and connect to the city water connector.



2. Move the water valve (C) to the CITY FILL position. Turn the on water supply. The city water is supplied directly to water lines in the coach, bypassing the water tank. If you would like to fill the water tank, move the valve (C) to the TANK FILL position. Move the valve back to the CITY FILL position after filling water tank.

Prime The Water System

1. Turn one of the water pump switches (A) to the ON position. The indicator light above the switch located on the panel above the entry door is illuminated when the pump is turned on, possibly by another switch in the coach.

2. Open each faucet in the coach, one at a time. Be sure to open the hot water faucets so the water heater will fill with water.

3. Close the faucet when a steady stream of water flows out.

4. After all faucets are primed and closed, check to be sure the water pump has shut off. If the water pump continues to run after all faucets are closed, there may be a leak in the water system. Have the water system inspected by a qualified technician.

5. The water system is ready for use. It is recommended that you turn the water pump off at night or if you will be leaving the coach for an extended period of time. If a faucet is left open, the pump could drain the entire water system and fill or over flow the waste tanks.

Water Heater

Your coach is equipped with an LP gas/electric water heater. The water heater has a 12 volt electronic spark ignition for the LP gas operation. Operating the water heater on LP gas is much more efficient than operating it on electricity. You must be connected to at least 30 amp shore power or running the generator to operate the water heater on electricity.

In some situations, such as when the coach is in a building or confined area, operating the water heater on electricity is the only choice.

⚠ DANGER

RISK OF CARBON MONOXIDE POISONING.

THE EXHAUST FROM THE WATER HEATER CONTAINS CARBON MONOXIDE.

CARBON MONOXIDE CAN ACCUMULATE IN ENCLOSED AND CONFINED AREAS.

DO NOT OPERATE THE WATER HEATER ON LP GAS WHILE THE COACH IS IN A BUILDING OR CONFINED AREA.

AVOID ANY AREAS AND ACTIONS THAT EXPOSE YOU TO CARBON MONOXIDE.

14 - Water System

⚠ DANGER

RISK OF EXPLOSION OR FIRE.

IF LP GAS IS DETECTED BY SMELL OR BY THE LP GAS DETECTOR:

- **EXTINGUISH ANY OPEN FLAMES, PILOT LIGHTS AND ALL SMOKING MATERIALS.**
- **DO NOT TOUCH ELECTRICAL SWITCHES.**
- **SHUT OFF LP GAS SUPPLY AT THE CONTAINER VALVE OR LP GAS SUPPLY CONNECTION.**
- **OPEN DOORS, WINDOWS AND VENTS.**
- **LEAVE THE AREA UNTIL ODOR CLEARS.**
- **HAVE THE LP GAS SYSTEM CHECKED AND LEAKAGE SOURCE CORRECTED BEFORE USING AGAIN.**
- **NEVER USE A FLAME TO LOCATE THE SOURCE OF A GAS LEAK.**

HAVE A QUALIFIED LP GAS TECHNICIAN CORRECT LP GAS LEAKAGE BEFORE USING AN LP GAS APPLIANCE.

⚠ WARNING

RISK OF FIRE OR EXPLOSION.

NEVER STORE FLAMMABLES NEAR THIS OR ANY OTHER APPLIANCE.

APPLIANCES AND LP VALVES MUST BE TURNED OFF WHILE REFUELING COACH OR LP TANK.

NOTICE

RISK OF WATER HEATER DAMAGE.

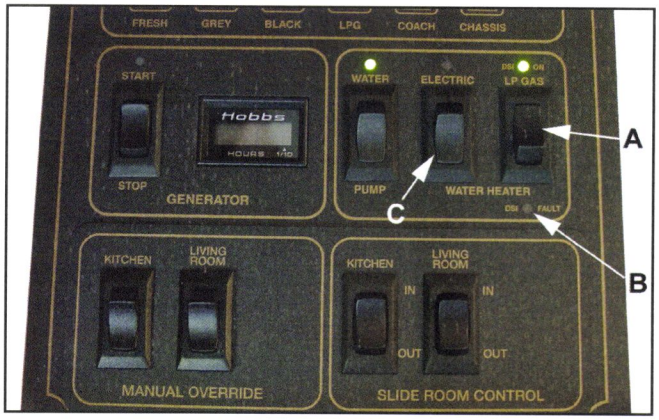
THE WATER HEATER CAN BE DAMAGED IF TURNED ON WITHOUT WATER IN THE WATER HEATER TANK.

VERIFY THAT THERE IS WATER IN THE WATER HEATER BY OPENING A HOT WATER FAUCET BEFORE TURNING WATER HEATER ON.

To operate the water heater on LP gas, press the top of the LP GAS switch (A). If the water heater fails to light after several attempts, the fault light (B) will be illuminated. Contact a qualified technician to inspect the water heater.

To operate the water heater on electricity, press the top of the ELECTRIC switch (C).

The light above the respective switch will be illuminated. To turn water heater off, press the bottom of the respective switch.



Toilet

It is recommended that you use a tissue that is approved for RV use. Regular tissue can clog the drains.

Pull up on the flush lever to add additional water to the bowl. Additional water is usually required to flush solids.

Push down on the flush lever until contents leave the toilet bowl.

Release the lever allowing it to snap shut, ensuring the seal is tight against the bowl.

Drain Waste Tanks

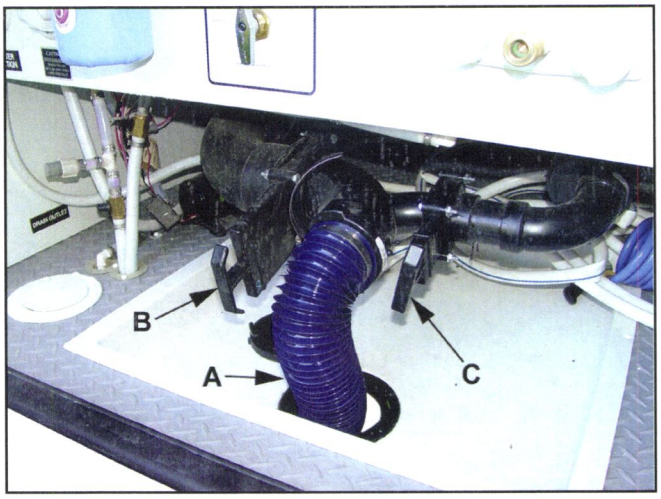
The waste drain valves are usually located in the same bay as the water tank fill connections.

1. Remove the access cover from the bay floor and cap from tank drain connector.
2. Connect waste drain hose to tank drain connector and route through access hole in bay floor.
3. Insert end of waste drain hose into waste facility receptacle.
4. Pull out on the sewage (black) tank valve (A) to drain tank. Close valve when tank is empty.

5. Pull out on the waste water (grey) tank valve (B) to drain tank. Close valve when tank is empty. Draining this tank last will flush out the drain hose.

6. Remove drain hose, rinse and place hose in compartment for storage.

7. Place cap on tank drain connector and install access cover on bay floor.



Flush Waste Tanks

The flush waste tank connector is located in the same bay as the water tank fill connections.

⚠CAUTION

RISK OF CONTAMINATED WATER.

DO NOT USE A POTABLE WATER HOSE TO FLUSH THE WASTE TANKS.

BECAUSE THE HOSE CAN BE CONTAMINATED AFTER FLUSHING THE WASTE TANKS.

DO NOT USE THE COACH FRESH WATER SYSTEM TO FLUSH THE WASTE TANKS.

1. Connect the waste drain hose as instructed in Drain Waste Tanks and open both drain valves.

2. Connect a hose to the sewer tank flusher inlet (A).

3. Turn on the water supply and flush until the discharge is clear.

4. Turn off the water supply and disconnect hose.

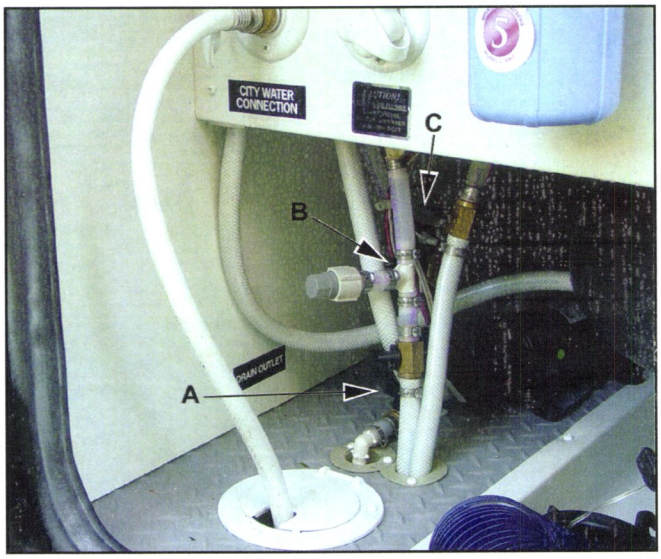
5. Close tank valves, remove and store drain hose.

Drain Fresh Water System

The drain valves are located in the same bay as the water tank fill connections.

1. Turn the coach water pump off.

2. Open the water tank drain valve (A), cold water low point drain valve (B) and hot water low point drain valve (C).



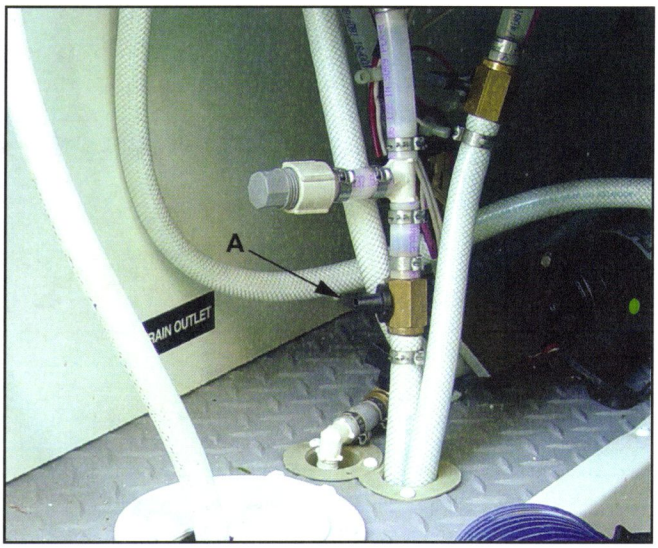
3. Close all drain valves after water has drained from system.

14 - Water System

Winterize Water System

1. Drain the water system as instructed in the Drain Water System section.

2. Turn the winterize shut off valve (A) off to stop the flow of antifreeze to the fresh water tank.

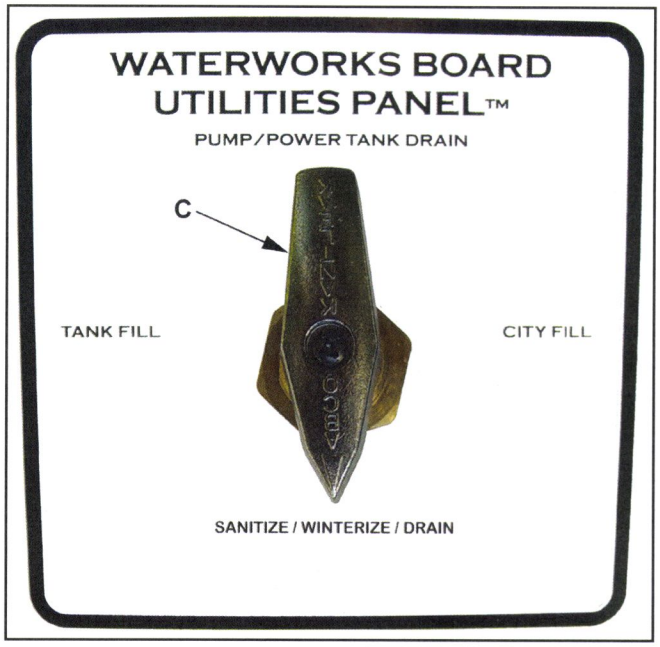


3. Locate the water heater bypass valves. Turn valve to stop the flow of antifreeze entering into the water heater and open the center valve.

4. Remove water purifier filter on water board by unscrewing the canister (B) with wrench provided and then reinstall canister (ensure "O-ring" still in place to provide proper seal).

5. Connect a small section of garden hose to city water fill on water board and the other end into a bucket or container of RV anti-freeze (app. 2 gallons).

6. Move water valve (C) to the Sanitize / Winterize / Drain position.



7. Turn water pump switch (D) on. The pump will siphon antifreeze from the container through the water lines in the coach.

8. Open faucet on the water board; cold first then hot until you see antifreeze. Repeat for every faucet outside and then inside of the coach working away from water board.

9. Open faucet in shower, flush stool until you see anti-freeze and use sprayer if equipped.

Note: If you have no suction, check connection on garden hose to ensure tight connection and hose is submerged in antifreeze.

10. Disconnect hoses and stow all equipment.

11. When you are ready to use your coach again, drain antifreeze and flush water system.

12. Install new water purifier filter and O-ring seal.

13. Locate the water heater bypass valves. Close the center valve and open the valve to allow the water to enter the water heater.

14. Open the winterize shutoff valve (A).

15. Disinfect the water system.

15 - AWNINGS

Awnings

Your coach may be equipped with a patio awning, an entry door awning, individual window awnings and slide-out awnings. These awnings can be manual or electrically powered, depending on coach floor plan and options.

NOTICE

RISK OF AWNING AND COACH DAMAGE.

AWNINGS AND COACH CAN BE DAMAGED BY WIND.

CLOSE AWNINGS IF WINDY CONDITIONS (ABOVE 17 MPH) EXIST.

Electric Awnings

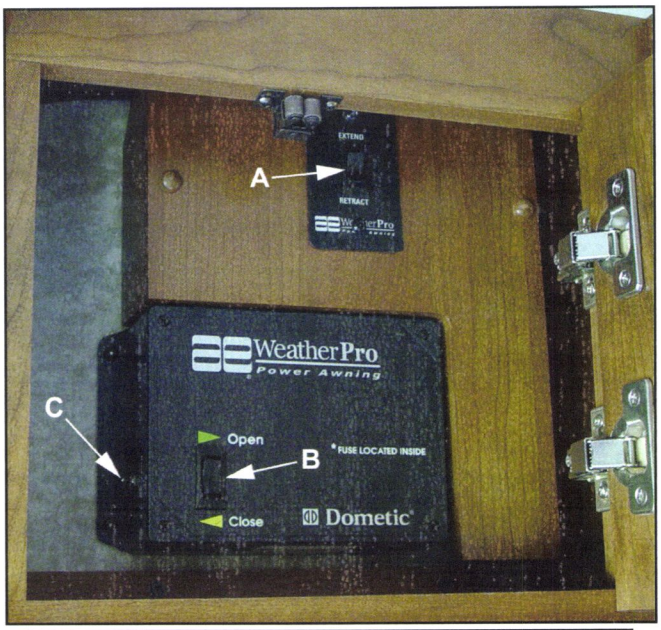
The electric awnings are usually installed over the entry door and patio. To operate an electric awning:

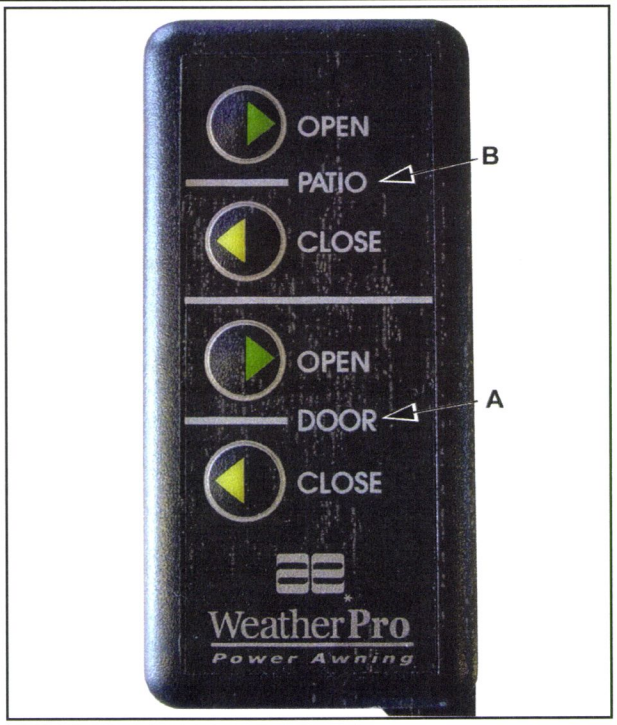
1. Locate the desired awning switch or remote controller. The mounted switches are usually located near the entry door. The small switch panel is for the entry door awning and the large panel is for the patio awning.

2. Press and hold the switch (A) or (B) in the EXTEND or OPEN position to open awning. Release switch when awning is fully extended.

3. The patio awning is equipped with a wind sensor mounted on the coach roof that will automatically close the awning if the wind exceeds 17 mph. Switch (C) must be in the ON position for wind sensor to automatically retract the awning.

4. Press and hold the switch (A) or (B) in the RETRACT or CLOSE position to close awning. Release switch when awning is fully retracted.





NOTICE

RISK OF AWNING DAMAGE.

THE COACH IS OVER WIDTH WITH AN AWNING OPEN.

VERIFY ALL AWNINGS ARE CLOSED BEFORE MOVING COACH.

15 - Awnings

Window Awnings

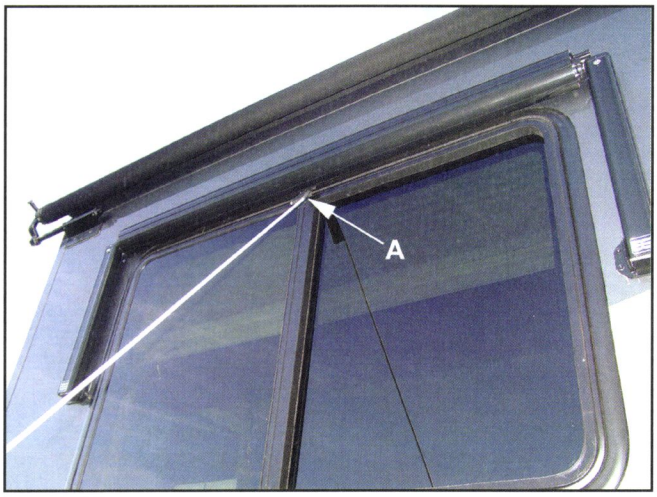
1. Locate the awning pull rod provided with your coach.
2. Place the hook end of the pull rod into the loop in the awning strap (A).

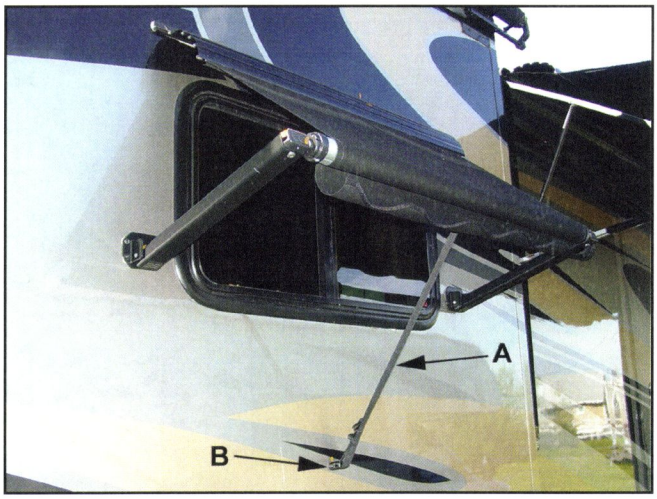
NOTICE

RISK OF AWNING AND COACH DAMAGE.

AWNINGS ARE UNDER TENSION AND WILL RETURN TO THE COACH WITH FORCE.

DO NOT RELEASE AWNING STRAP WHILE OPENING AND CLOSING AWNING.





3. Pull on the awning strap to open awning and place loop over hook (B) on the side of the coach.
4. To close awning, grasp the strap (A) and remove from hook (B). Insert pull rod into loop in strap and allow the awning to gently retract to the coach. Remove and stow the pull rod.

NOTICE

RISK OF AWNING DAMAGE.

THE COACH IS OVER WIDTH WITH AN AWNING OPEN.

VERIFY ALL AWNINGS ARE CLOSED BEFORE MOVING COACH.

16 - Audio & Video

Audio & Video Systems

Your coach can be equipped with many different audio, video and satellite components. Each component installed in your coach has a separate owner's manual that is provided to you. Please refer to the individual manuals for specific information regarding the setup and operation of each component.

Your coach can be equipped with:

- Television in living room area.
- Home theater system with DVD in living room and bedroom.
- Television in bedroom.
- Stereo with CD player on dash.
- Clock radio/DVD/CD in bedroom.
- Satellite radio
- In-motion satellite dish system.
- Bay entertainment system with television, DVD and radio.
- Park cable television connection.
- Television antenna.

Connect To Park Cable And Internet

The park cable television and internet connections are usually located in same bay as the water connections.

1. Open bay door and route cable(s) through access hole in bay floor.

2. Connect television cable to connector (A) and internet cable to connector (B).

3. Move switch (C) to CABLE INPUT. Lamp on switch will not be illuminated.

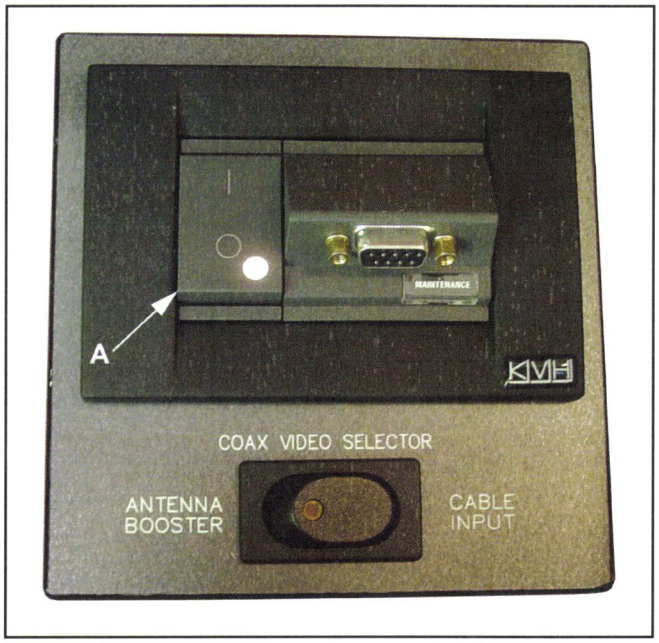
You are now connected to cable television and internet through your campsite. Television stations may vary based on availability.

In-Motion Satellite Receiver

The satellite receiver may require activation and a subscription to the satellite service.

1. To turn the satellite receiver on, press the top of the switch (A). The lamp on the switch will be illuminated when switch is on.

2. Refer to the satellite owner's manual for setup and operating instructions.



Antenna Booster

If using the mounted television antenna on your coach, you can increase the signal strength to your televisions by switching on the antenna booster (B). The lamp will be illuminated when booster is on.

17 - Appliances

Appliances

Your coach can be equipped with several different standard and optional appliances. Each appliance installed in your coach has a separate owner's manual that is provided to you. Please refer to the individual manuals for specific information regarding the setup and operation of each component.

Your coach can be equipped with:

- Refrigerator that operates on 120 volt AC or LP gas.
- Range With Oven.
- Convection/Microwave Oven.
- Central Vacuum.
- Storage Bay Freezer.

Refrigerator

The refrigerator in your coach can be operated on 120 volts AC or LP gas. This section will give you the basic operating procedures. Refer to the information provided by the refrigerator manufacturer for additional safety, operational and maintenance information.

When filling the LP gas tank, coach fuel tank or performing maintenance on the LP gas system, you must shut the LP gas valve off. If you need to maintain the refrigerator temperature, connect the shore line and operate the refrigerator off of 120 volts AC.

If you plan to operate the refrigerator on LP gas while traveling, it is recommended that you connect the shore line and operate the refrigerator off of 120 volt AC power for at least 48 hours before traveling. This will get the refrigerator cool so that refrigerator in the LP gas mode can maintain the selected temperature.

⚠ DANGER

RISK OF CARBON MONOXIDE POISONING.

THE EXHAUST FROM THE REFRIGERATOR CONTAINS CARBON MONOXIDE.

CARBON MONOXIDE CAN ACCUMULATE IN ENCLOSED AND CONFINED AREAS.

DO NOT OPERATE THE REFRIGERATOR ON LP GAS WHILE THE COACH IS IN A BUILDING OR CONFINED AREA.

AVOID ANY AREAS AND ACTIONS THAT EXPOSE YOU TO CARBON MONOXIDE.

⚠ DANGER

RISK OF EXPLOSION OR FIRE.

IF LP GAS IS DETECTED BY SMELL OR BY THE LP GAS DETECTOR:

- **EXTINGUISH ANY OPEN FLAMES, PILOT LIGHTS AND ALL SMOKING MATERIALS.**
- **DO NOT TOUCH ELECTRICAL SWITCHES.**
- **SHUT OFF LP GAS SUPPLY AT THE CONTAINER VALVE OR LP GAS SUPPLY CONNECTION.**
- **OPEN DOORS, WINDOWS AND VENTS.**
- **LEAVE THE AREA UNTIL ODOR CLEARS.**
- **HAVE THE LP GAS SYSTEM CHECKED AND LEAKAGE SOURCE CORRECTED BEFORE USING AGAIN.**
- **NEVER USE A FLAME TO LOCATE THE SOURCE OF A GAS LEAK.**

HAVE A QUALIFIED LP GAS TECHNICIAN CORRECT LP GAS LEAKAGE BEFORE USING AN LP GAS APPLIANCE.

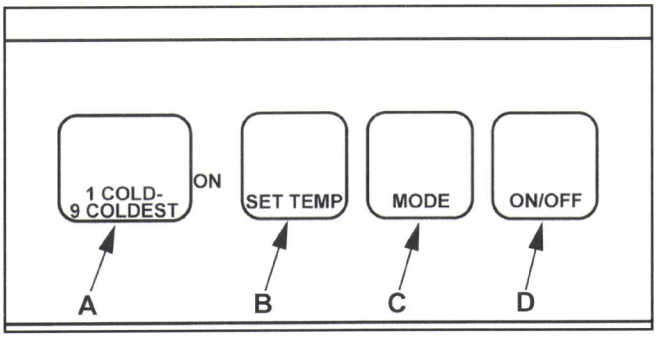
⚠ WARNING

RISK OF FIRE OR EXPLOSION.

NEVER STORE FLAMMABLES NEAR THIS OR ANY OTHER APPLIANCE.

APPLIANCES AND LP VALVES MUST BE TURNED OFF WHILE REFUELING COACH OR LP TANK.

17 - Appliances



A. **Display:** Displays the refrigerator settings.
B. **Temp Set Button:** Temperature control for the refrigerator.
C. **Mode Button:** Selects power source for the refrigerator.
D. **On/Off Button:** Starts and stops the refrigerator.

Press the ON/OFF button (D) to turn the refrigerator on.

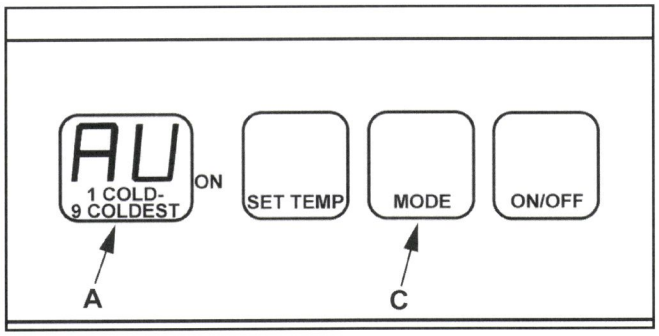
The MODE button (C) allows you to select between automatic or one of the two manual modes.

In the automatic mode, the refrigerator will select the most efficient power source available. The first choice is 120 volts AC and then LP gas.

The manual mode allows you to select the power source for the refrigerator.

Automatic Operation

Press the MODE button (C) until the letters "AU" show in the display (A). Release the mode button.



⚠ DANGER

RISK OF CARBON MONOXIDE POISONING.

THE EXHAUST FROM THE REFRIGERATOR CONTAINS CARBON MONOXIDE.

CARBON MONOXIDE CAN ACCUMULATE IN ENCLOSED AND CONFINED AREAS.

DO NOT OPERATE THE REFRIGERATOR ON LP GAS WHILE THE COACH IS IN A BUILDING OR CONFINED AREA.

AVOID ANY AREAS AND ACTIONS THAT EXPOSE YOU TO CARBON MONOXIDE.

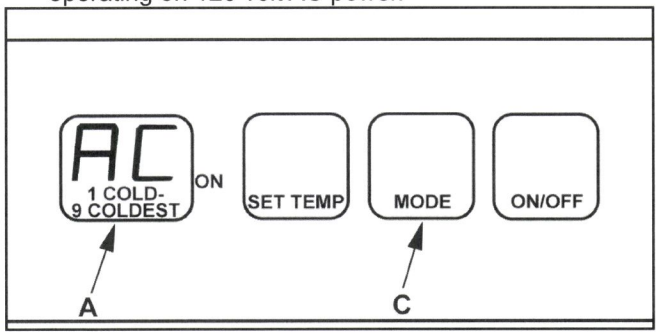
If 120 volt AC is available: The letters "AC" will show in the display. After ten seconds, the display will go off and the green power on light will be illuminated. The refrigerator is operating on 110 volt AC power.

If 120 volt AC is not available: The letters "AC" will show in the display. After five seconds, "AU" and then "LP" will show in the display. Then, after ten seconds, the display will go off and the green power on light will be illuminated. The refrigerator is operating on LP gas.

Manual Operation

120 Volt AC Operation

1. Verify the shore line is connected and power source is on or the generator is running.
2. Push and hold the mode button (C) until "AC" is shown in the display (A). Release the mode button. After ten seconds, the display will go off and the green power on light will be illuminated. The refrigerator is operating on 120 volt AC power.



LP Gas Operation

Initial start up on LP gas may be difficult due to air or stale gas in the lines. It is recommended that you light the cook top or water heater (follow all safety precautions for that appliance) to purge air and/or stale gas out of the lines before attempting to light refrigerator. Turn off cook top and/or water heater after purging lines.

The refrigerator operates quietly and efficiently on LP gas, but the initial cool down takes much longer than operating on 120 volt power. 12 volt DC power is required to operate the refrigerator on LP gas. The 12 volt power is used to open and close the gas valve. If the coach batteries are discharged, the refrigerator gas valve may not open to allow operation on LP gas.

⚠ DANGER

RISK OF CARBON MONOXIDE POISONING.

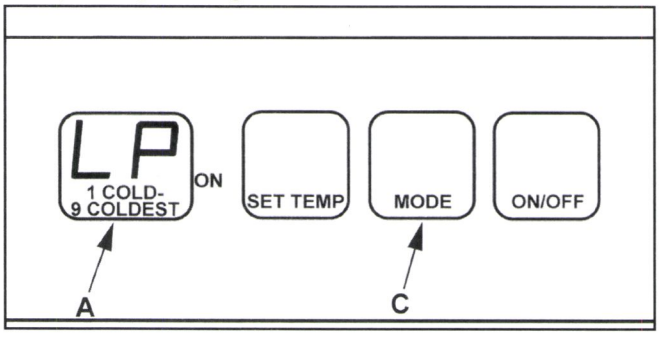
THE EXHAUST FROM THE REFRIGERATOR CONTAINS CARBON MONOXIDE.

CARBON MONOXIDE CAN ACCUMULATE IN ENCLOSED AND CONFINED AREAS.

DO NOT OPERATE THE REFRIGERATOR ON LP GAS WHILE THE COACH IS IN A BUILDING OR CONFINED AREA.

AVOID ANY AREAS AND ACTIONS THAT EXPOSE YOU TO CARBON MONOXIDE.

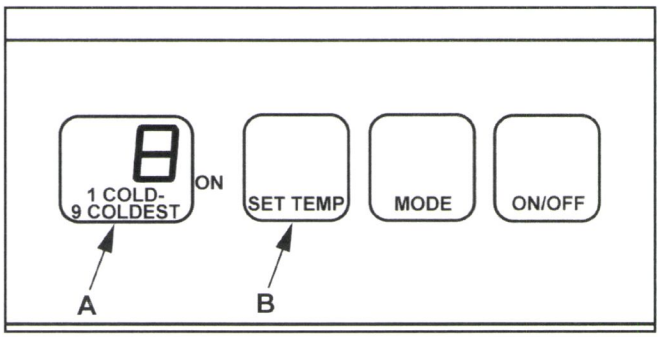
1. Push and hold the MODE button (C) until "LP" is shown in the display (A). Release the MODE button. After ten seconds, the display will go off and the green power on light will be illuminated. The refrigerator is operating on LP gas.



Select Temperature Setting

1. Push the "TEMP SET" button (B) and the current setting will show in the display (A). See figure 9-13.

2. Push and hold the "TEMP SET" button (B) until the desired setting is shown in the display (9 is the coldest setting) and then release button.



17 - APPLIANCES

Cook Top And Oven

Your coach can be equipped with a LP gas operated cook top and oven. Both the cook top and oven use an electronic spark ignition, there are no pilot lights. The exhaust hood fan must be on and a window opened slightly while the cook top and/or oven are in use to exhaust gas vapor and cooking odors. Refer to the information provided by the cook top and oven manufacturer for additional safety, operational and maintenance information.

⚠ DANGER

RISK OF CARBON MONOXIDE POISONING.

THE EXHAUST FROM THE COOK TOP AND OVEN CONTAINS CARBON MONOXIDE.

CARBON MONOXIDE CAN ACCUMULATE IN ENCLOSED AND CONFINED AREAS.

DO NOT OPERATE THE COOK TOP AND/OR OVEN WHILE THE COACH IS IN A BUILDING OR CONFINED AREA.

AVOID ANY AREAS AND ACTIONS THAT EXPOSE YOU TO CARBON MONOXIDE.

⚠ DANGER

RISK OF EXPLOSION OR FIRE.

IF LP GAS IS DETECTED BY SMELL OR BY THE LP GAS DETECTOR:

- **EXTINGUISH ANY OPEN FLAMES, PILOT LIGHTS AND ALL SMOKING MATERIALS.**
- **DO NOT TOUCH ELECTRICAL SWITCHES.**
- **SHUT OFF LP GAS SUPPLY AT THE CONTAINER VALVE OR LP GAS SUPPLY CONNECTION.**
- **OPEN DOORS, WINDOWS AND VENTS.**
- **LEAVE THE AREA UNTIL ODOR CLEARS.**
- **HAVE THE LP GAS SYSTEM CHECKED AND LEAKAGE SOURCE CORRECTED BEFORE USING AGAIN.**
- **NEVER USE A FLAME TO LOCATE THE SOURCE OF A GAS LEAK.**

HAVE A QUALIFIED LP GAS TECHNICIAN CORRECT LP GAS LEAKAGE BEFORE USING AN LP GAS APPLIANCE.

⚠ WARNING

RISK OF FIRE OR EXPLOSION.

NEVER STORE FLAMMABLES NEAR THIS OR ANY OTHER APPLIANCE.

APPLIANCES AND LP VALVES MUST BE TURNED OFF WHILE REFUELING COACH OR LP TANK.

⚠ WARNING

RISK OF EXPLOSION.

GAS MAY ACCUMULATE IN THE COACH IF THE COOK TOP AND/OR OVEN CONTROLS ARE ON AND THE GAS SUPPLY VALVE IS OPENED.

VERIFY THAT THE CONTROLS ARE OFF BEFORE OPENING THE GAS SUPPLY VALVE.

TEST THE LP GAS DETECTOR BEFORE USING ANY GAS APPLIANCE.

⚠ WARNING

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

COOKING APPLIANCES NEED FRESH AIR FOR SAFE OPERATION.

BEFORE OPERATION:
1. OPEN OVERHEAD VENT OR TURN ON EXHAUST FAN.
2. OPEN WINDOW.

FAILURE TO COMPLY COULD RESULT IN DEATH OR SERIOUS INJURY.

⚠ WARNING

RISK OF EXPLOSION.

ATTEMPTING TO LIGHT MORE THAN ONE BURNER AT A TIME MAY CAUSE EXCESSIVE GAS TO ACCUMULATE IN THE COACH.

LIGHT ONE BURNER AT A TIME.

17 - Appliances

⚠ WARNING

RISK OF FIRE OR ASPHYXIATION.

NEVER USE PORTABLE FUEL BURNING EQUIPMENT OR APPLIANCES INCLUDING WOOD AND CHARCOAL STOVES INSIDE THE COACH OR ANY OTHER VEHICLE.

FAILURE TO COMPLY COULD RESULT IN DEATH OR SERIOUS INJURY.

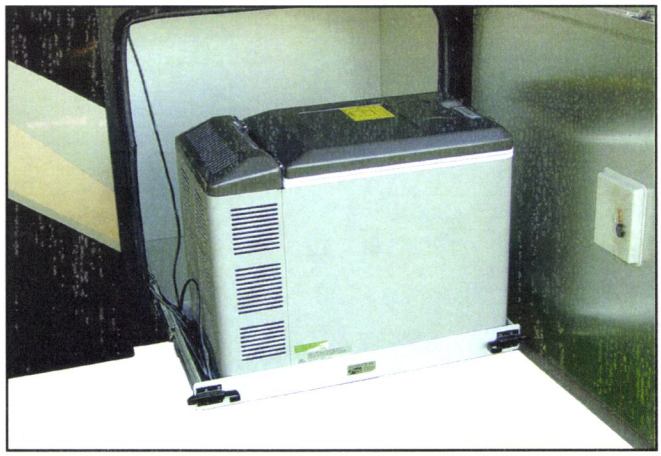
1. Turn on exhaust hood fan and open a window slightly.
2. Verify that the gas supply valve is on.
3. Remove cook top covers (A) and place is storage position.
4. Turn one burner control knob (B) to HI LITE.
5. Rotate the spark knob (C) clockwise one click. If the burner does not light, turn the spark knob clockwise one additional click. If the burner does not lite after two attempts, turn the burner control OFF and contact a qualified service technician.
6. Once the burner is lit, adjust the burner control (B) to the desired setting.
7. Light each additional burner using steps 4-6 above.
8. To turn each burner OFF, rotate each burner control (B) to OFF.

Convection/Microwave Oven

The convection/microwave oven is operated on 120 volts AC and is similar to a microwave oven used in a home. Refer to the information provided by the microwave oven manufacturer for additional safety, operational and maintenance information.

Storage Bay Freezer

The storage bay freezer is operated on 12 volt DC. The freezer is normally located in a curb side storage bay. The freezer temperature control will allow you to keep foods at refrigerator or freezer temperature. Refer to the information provided by the freezer manufacturer for additional safety, operational and maintenance information.

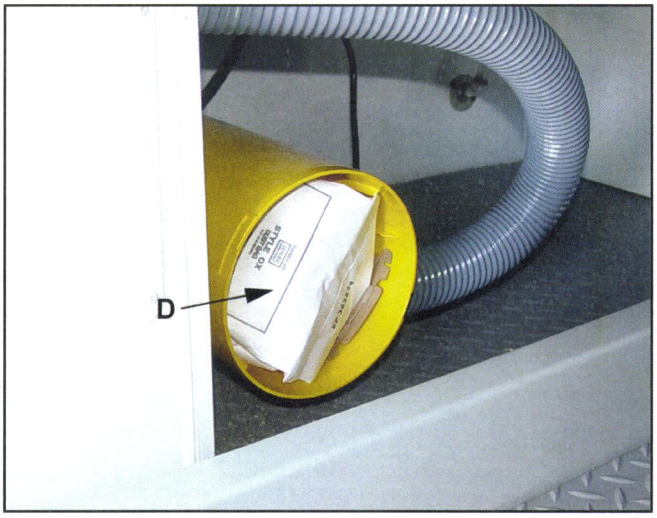


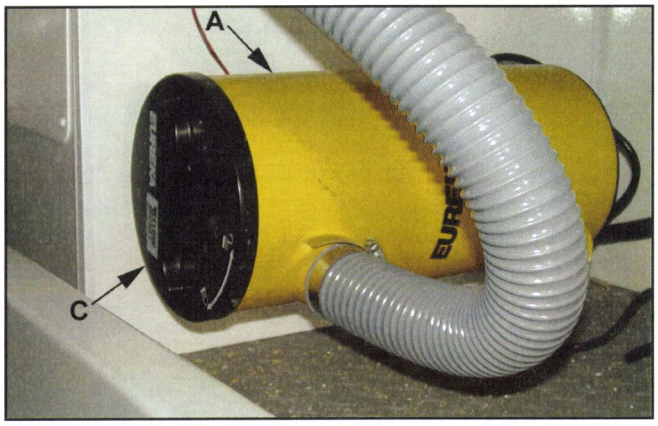
Central Vacuum

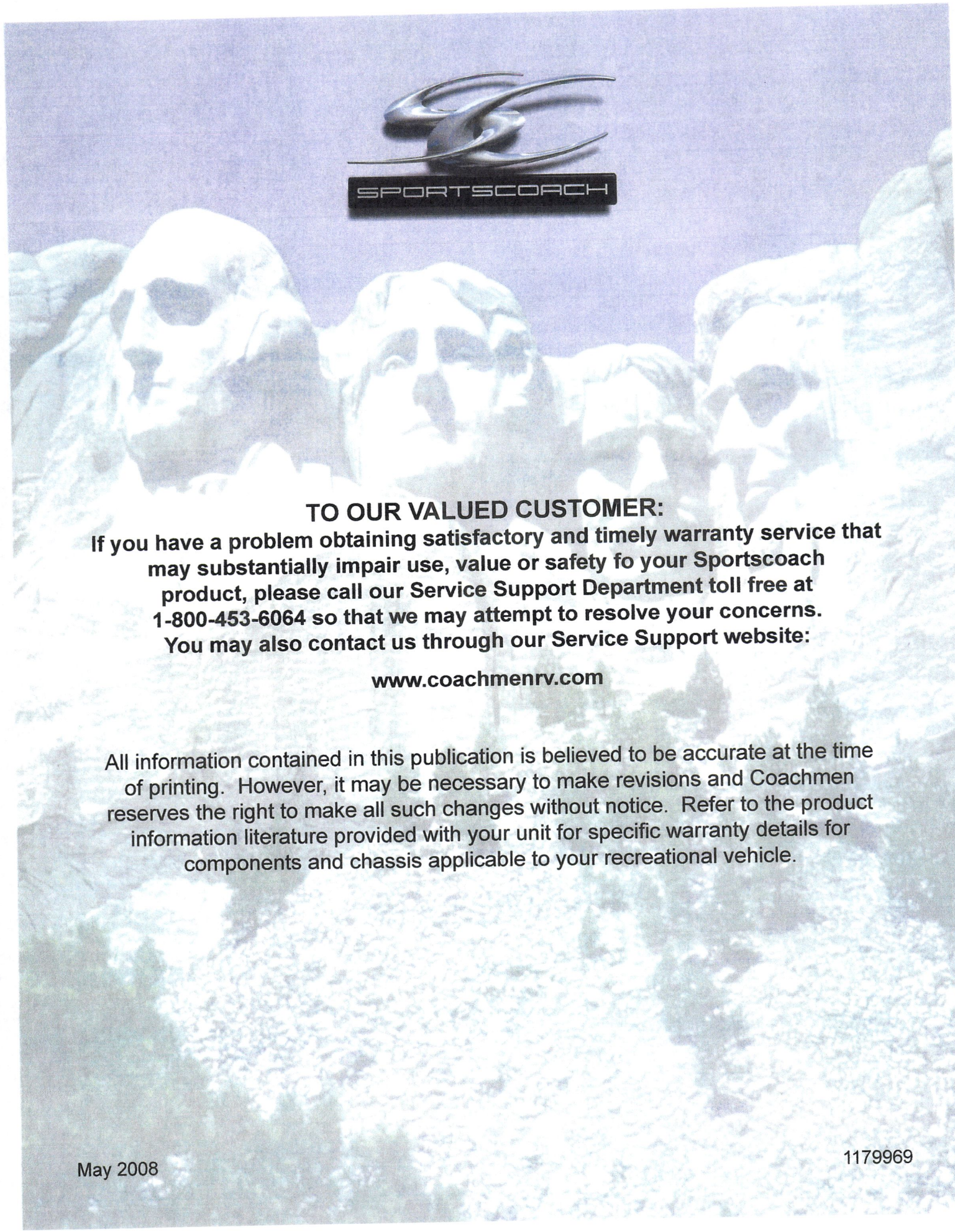
The central vacuum canister (A) is located in a center storage bay. The outlet (B) will be located near the floor in a central area of the coach. Refer to the information provided by the central vacuum manufacturer for additional safety, operational and maintenance information.

To operate, open the outlet cover and insert central vacuum hose. The vacuum unit will turn on when the outlet cover is opened and turn off when the cover is closed.

The amount of debris vacuumed will determine how often the collection bag will require replacing. Periodically remove the canister cover (C) and check the collection bag (D), replace as needed.







TO OUR VALUED CUSTOMER:

If you have a problem obtaining satisfactory and timely warranty service that may substantially impair use, value or safety fo your Sportscoach product, please call our Service Support Department toll free at 1-800-453-6064 so that we may attempt to resolve your concerns. You may also contact us through our Service Support website:

www.coachmenrv.com

All information contained in this publication is believed to be accurate at the time of printing. However, it may be necessary to make revisions and Coachmen reserves the right to make all such changes without notice. Refer to the product information literature provided with your unit for specific warranty details for components and chassis applicable to your recreational vehicle.

May 2008

1179969