

Basis

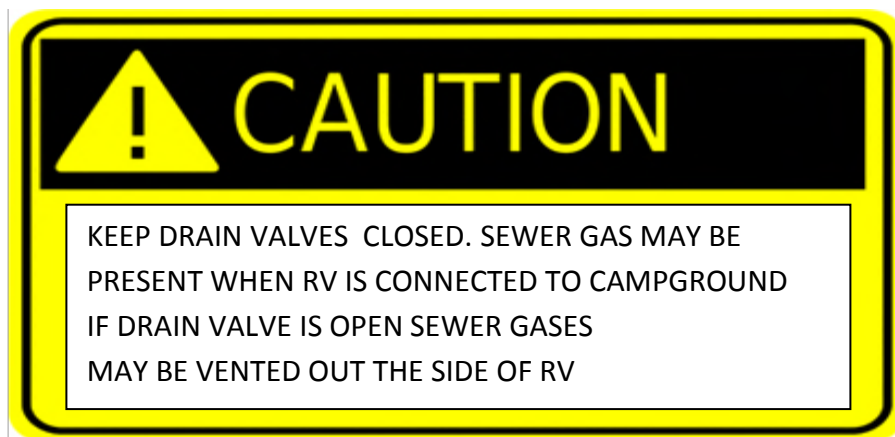
PLEASURE-WAY INDUSTRIES LTD.

Pleasure-Way Industries Ltd. takes great pride in the quality and excellence that the Pleasure-Way name represents. We appreciate having you as a customer and welcome you into the Pleasure-Way family. This manual is provided to introduce you to the many features of your new BASIS including operation, maintenance and warranties. **We strongly advise you to take time to read this manual, the Chevrolet/GMC chassis owners manual as well as those of the motorhome components before you use your new motorhome.** It will help you to better understand the many operational features of this recreational vehicle.

After reading this manual, be sure to keep it in the motorhome as a reference. Your Pleasure-Way dealer will be glad to answer any further questions about the operation of your motorhome and the appliances.

All reasonable precautions have been taken in the preparation of this manual. We have been as accurate as possible at the time of this publication. However, due to our policy of continuous improvement and refinement to our product, Pleasure-Way reserves the right to make product changes at any time without prior notice and without incurring obligations. As a result, Pleasure-Way assumes no responsibility for errors or omissions in the accuracy in the content of this manual.

We know that you will enjoy your new Pleasure-Way and we wish you many miles of pleasant and carefree driving. Happy Travels!



PLEASURE-WAY INDUSTRIES LTD. WARRANTIES & POLICIES

Customer Responsibility:

It is important you read and understand the information in this manual before using your RV. Familiarize yourself with the applicable warranties. You are responsible for ensuring the procedures for obtaining warranty repair are followed properly. It is your responsibility and obligation to return your RV to your dealership for warranty service repair.

As the owner of the RV, you are responsible for regular and proper maintenance performed in accordance with this manual and the OEM manuals. Regular and proper maintenance will help prevent conditions arising from neglect that are not covered by warranty.

Pleasure-Way Warranty

Pleasure-Way Industries Ltd. warrants the specified new Motorhome free from defects in material and craftsmanship, on the sections manufactured by Pleasure-Way Industries Ltd. under normal use and service. Pleasure-Way Industries Ltd.'s obligation under this warranty shall be limited to 12 months / 12,000 miles / 20,000 kilometers (which ever comes first) after the date of purchase by the original retail purchaser from an Authorized Pleasure-Way Dealer and shall be limited to making good, at our factory, any part or parts thereof upon return to the factory.

The conditions of this warranty shall not and will not apply to the following:

1. If the Motorhome has been altered outside our factory in any way so as, in our sole opinion, to affect its stability or reliability.
2. If the Motorhome, in our sole opinion, has been subject to misuse, negligence, or accident.
3. Tires, refrigerator, stove, furnace, roof air conditioner, chassis, power train, and any other components, which are under a separate warranty from the manufacturer, and service, can be obtained from their facilities in North America.
4. Unauthorized repairs, alterations or modifications;
5. Routine maintenance;

6. Failure of the coach and / or chassis resulting in incidental damages such as loss of use of Motorhome, inconvenience, cost of rental vehicle, and / or cost of accommodations, travel expenses & meals, and other miscellaneous incidental expenses.

7. Damages resulting by: hail, tornadoes, lightning, floods, earthquakes, plow winds, fire, rain & environmental conditions which include tree sap, tar, chemicals, oils, salts, and / or Acts of God.

8. Accident

The conditions of this warranty shall not and will not apply to degeneration due to wear and exposure after these limitations:

1. For one year from the original retail purchase date or 12,000 miles or 20,000 kilometers (whichever comes first), by the original retail purchaser from an Authorized Pleasure-Way Dealer:

- a) All seat, curtain, door panel and wall fabrics used in the coach;
- b) Exterior fiberglass surfaces, and graphics;
- c) Window seals;
- d) Exterior power cable hatch, city water fill hatch, porch light, & cable TV outlet;
- e) Carpet.
- f) Black and gray water termination valves;

2. for 90-days from date of the original retail purchase by the original retail purchaser from an Authorized Pleasure-Way Dealer:

- a) Window screens
- b) Fresh water tank drain tap; and
- c) Exterior door catches, cam locks, thumb latches & hinges.

The warranty is expressly in lieu of all other warranties expressed or implied and all other obligations or liabilities for alleged representation or negligence. Pleasure-Way Industries Ltd. neither assumes nor authorizes any other person to assume for us any liability in connection with the sale of our Motorhomes other than expressed above.

All correspondence should be directed to the dealer from whom the Motorhome was purchased and must specify the serial number and date of purchase of Motorhome in question.

When storing your Pleasure-Way it is recommended that you park the vehicle on a level surface. Avoid parking in a front end down position as rain or snow may collect in the air conditioner area, allowing moisture to enter the vehicle through the air conditioner. Damages to the motorhome as a result of incorrect parking will not be covered under warranty.

Pleasure-Way Industries Ltd.'s Warranty Policies

1. Warranty repairs, within the One year or 12,000 miles / 20,000 kilometers (whichever comes first) limited warranty.
2. The Pleasure-Way Customer Care Delivery Form must be on file before any claims will be processed. Claims made without warranty registration cards will be rejected until proof of ownership can be established.
3. Pleasure-Way Industries Ltd. will not reimburse any claims for any work done on any components or appliances that are covered under their respected manufacturers' warranties. These warranties must be claimed through the manufacturer of the appliance or component. Examples: refrigerator, microwave, roof air conditioner, water pump, toilet, stove, TV package components, etc.
4. All warranty work that is required to be performed on the chassis must be taken to an authorized GM / Chevrolet dealership and processed through their warranty procedures. Pleasure-Way Industries Ltd. will not reimburse any claims regarding the chassis. Pleasure-Way Industries Ltd. will pay for the removal and reinstallation of Motorhome components only if absolutely necessary to perform GM / Chevrolet warranty repairs. Pleasure-Way Industries Ltd. will not reimburse any costs in the removal and reinstallation of these components if it is:
 - a) Out of the warranty period
 - b) Non-warranty repairs
 - c) Routine maintenance

Maintenance

A regular maintenance schedule is essential to ensure your Pleasure-Way Motorhome operates to its full potential as well as giving you the maximum benefit of ownership.

Yearly checks should include:

- Inspection of all seals (roof, vents, windows, door, compartments, etc.)
- Lubrication of all hinges, window slides and rollers, locks
- Undercarriage, heat shields and exterior hatches
- Propane, Plumbing and electrical systems.

The life and performance of each component depends upon proper use, operation and maintenance. With regular maintenance schedule you should be able to catch any components that need attention before you travel allowing many years and miles of trouble free traveling.

Note: See you vehicle chassis manual for mechanical maintenance and service.

SAFETY

For your safety while travelling with your Pleasure-Way Motorhome, we have provided safety components throughout the vehicle. In order for your vehicle to maintain the safest possible conditions, these components must be tested and maintained on a regular basis, according to the detailed manufacturer's operating instructions.

All Pleasure-Way Motorhomes in Canada are CSA and CMVSS Certified, and may exceed the approved installation criteria.

All Pleasure-Way Motorhomes in the United States are FMVSS certified and bear the R.V.I.A. seal of approval, and may exceed the individual state requirements.

1) Smoke Detector (image 1)

A smoke detector is provided on the ceiling of your unit near the front. Smoke detectors may give you a warning of fire and smoke, but only if you use and maintain in accordance to the manufacturer's instructions.

- This device should be tested after each time your vehicle has been in storage, before each use, and at least once each week during your travels.
- Do not block air circulation in the area where the smoke detector is located.
- Ensure you connect the battery inside the detector upon receiving of your new unit. (9 volt battery located inside the unit.)
- Install a fully charged fresh battery at least once a year.

2) Fire Extinguisher (image 2)

A 3-pound capacity fire extinguisher is provided and located at the side door main entrance for ease of accessibility from the interior or exterior.

Warning: This fire extinguisher is a type "BC", which will extinguish flammable liquids and electrical fires, but not wood, paper and cloth fires. You should inspect the extinguisher at least once a month according to the manufacturer's instructions.

Image 1



Image 2



3) LP Gas / CO Gas Combination Detector

A liquid propane (LP) gas detector/ Carbon Monoxide (CO) is provided near the floor level at the rear of the motorhome interior. This detector will operate to detect liquid propane & Carbon Monoxide gasses as well as other gasses that are heavier than air. Your components that require LP gas are provided with complete ventilation to the exterior and are sealed off to the interior for your added safety. This detector is powered by the auxiliary battery and is operating at all times unless the battery is disconnected or red key disconnect is turned off.

- The LP/CO gas detector should be tested every weekly while vehicle is in use.
- Do not block air circulation in the area where the LP/CO gas detector is located.

Note: The LP/CO Gas Detector will sound to indicate a low coach battery charge.

(passenger ottoman bench face)



4) GFCI Outlet

A ground fault circuit interrupter (GFCI) 110-volt receptacle located in the Kitchen end panel provides protection against line-to-ground electrical shock hazards that could be harmful or even fatal. The outlets that are on this circuit are the exterior receptacle, the galley receptacle, the two rear receptacles and the fridge receptacle. These receptacles are to be tested at least once a month in accordance with the manufacturer's instructions.



Refueling

When you are refueling your gasoline tank or your propane system, ensure that your vehicle is shut off and your main LP valve is shut off. Ensure that your pilot lights have been extinguished.

All appliances in your vehicle are auto ignition ensure the appliances are shut off so ignition will not activate.

- **Warning: Even with the main LP valve shut off there is enough gas in the LP gas in the lines for the ignition process to take place.**

Filling the LP Gas Fuel Cylinder

When you are filling the LP Gas Fuel Cylinder, the propane tank valve must be closed, all pilot lights, appliances, along with their igniters must be turned off during refueling of motor fuel and / or the propane fuel tank. Only qualified personnel should refuel your propane tank.

Do not refuel the propane tank to more than 80% of its capacity.

Do not store gasoline or other flammable liquids inside your vehicle.

NOTE: Ensure the propane system valve is fully shut when vehicle is in motion. It is not safe to travel while propane appliances are in use.



Seat Belts

Only forward-facing seats equipped with factory installed seatbelts are to be occupied while the vehicle is in motion. All passengers must be seated in these seats only. Seat belts must be fastened while the vehicle is in motion.

Appliances

It is not safe to use cooking appliances to heat the interior of the coach due to the danger of asphyxiation. It is recommended that you read all of the appliance owners / operating manuals prior to using the appliances.

TV Flat Screen

When the vehicle is in motion, it is necessary to have the flat screen television locked into travel position to prevent damage to the flat screen and to the TV cabinet.



Generator

When launching a boat or some form of watercraft with your Pleasure-Way motorhome, it is imperative to not submerge the generator in water. Please refer to the generator owner / operating manual for proper use and maintenance information. The generator is located just ahead of the propane tank behind the rear axle.



Clearance

Your motorhome is equipped with underside holding tanks, waste tanks, plumbing lines, propane lines and other RV related items. Please be careful when driving your motorhome on uneven or poorly maintained roadways.

Emergency Escape

If the need to make an emergency escape from the interior of your motorhome arises, all interior doors are equipped with interior access latches. Your choices of escape routes are as follows, the main entrance at the side door, the driver and passenger side front doors and the rear doors.

MOTORHOME EXTERIOR

Motorhome Dimensions & Capacities

Your Motorhome is larger than your standard van or automobile, so please be careful when entering underpasses, garages, parades, etc.

Dimension (approximate)

Length Bumper to Bumper	20' 5"	622 cm
Length Bumper to Tire Carrier	21' 1"	642.6 cm
Width Side Mirrors Folded In	6' 7"	267 cm
Width with Side Mirror Extended	7' 9 ½"	375 cm
Bed Area Basis (Approximate)	L – 72"	147 cm
	W – 70"	178 cm
Height of the Vehicle with Antenna & AC	8' 10"	267 cm

Capacities (approximate)

Fuel	31 US Gal	117 L
Fresh Water	33 US Gal	125 L
Grey Water (Sink, Shower)	27 US Gal	102 L
Black Water (toilet)	12 US Gal	45 L
Propane (LP Gas)	10 US Gal	37 L/42lbs
Water Heater	6 US Gal	23 L

NOTE: Remember that the height of your Motorhome may vary depending upon the tire pressure level, and optional components mounted on the roof. The width of your vehicle will vary with the position of the outside mirrors. In addition, all measurements are approximations.

Tires: as recommended by Chevrolet/GMC Size LT245/75R16 with E rating

Front Tires: 50 psi / 340 kPa

Rear Tires: 80 psi / 550 kPa

Spare Tire: 80 psi /550 kPa

Driver's Side Storage Compartment

Located on the driver's side panel, this compartment features a 14" (H) x 46" (L) x 14" (D)* locking storage area. It should be used for items not damaged by moisture, as humidity and certain weather conditions may add moisture to this compartment.



Driver's Side Sewer Dump Compartment

Located on the driver side panel behind the storage compartment just in front of the driver rear wheel. This compartment gives ease of access to the Gray and Black dump handles, as well as the sewer connection.



Driver's Side Component Compartment

Located behind the driver's rear wheel, this compartment contains four main components used in your RV: (1) shore power hook-up; (2) cable TV hook-up; (3) pressurized city water hook-up; (4) Sewer hose storage container:



Driver's Side Water Heater Vent

Located behind the driver's side rear tire, this vent door gives access to the water heater anode, pressure relief valve, and the working mechanisms of the water heater. **NOTE:** For water heater efficiency, keep this vent free and clear from obstructions at all times.



Driver's Side Exterior Shower Compartment

Located beside the vehicle fuel fill door, this compartment contains a retractable shower head and hot and cold water taps.

- When winterizing your Motorhome be sure to winterize this tap and the shower hose.



Driver's Side Fresh Water Holding Tank Fill

Located behind the driver front door, this compartment allows you to fill the fresh water holding tank. It also contains the vent tube for your fresh water holding tank.



Passenger's Battery Compartment

Located behind the passenger's side door, this compartment houses the battery for the coach's 12-Volt components. This compartment may also house extra wiring for generator ready units.



Passenger's Side Furnace, Fresh Air and Exhaust Vent

Located above the passenger battery compartment, this vent gives off the exhaust of the furnace. **NOTE:** Ensure this vent is free and clear of obstructions at all times.



Passenger's Side Exterior 110-Volt Plug (see above)

Located on the passenger's side rear panel, this plug will only function if power is supplied through the generator or shore power. This plug is controlled by the GFI on the kitchen end gable.

Passenger's Side Exterior Porch Light

Located in the center upper section of the passenger's side wall, this light is controlled by the switch on the kitchen end gable.

- **All compartment sizes are approximated; some of the molded areas may infringe on the size.**
- **Exterior storage compartments may not be moisture free, humidity and certain weather conditions will have an effect on the compartments. It is advised that valuables stored in these compartments be sealed in their own weather tight container.**

Helpful Hints

- 1) To maintain your exterior painted fiberglass and metal surfaces we suggest you thoroughly clean and wax these pieces regularly. (all fiberglass surfaces are painted with automotive paint.)
- 2) When storing your Pleasure-Way it is recommended that you park the vehicle on a level surface. Avoid parking in a front end down position as rain or snow may collect in the air conditioner area, allowing moisture to enter the vehicle through the air conditioner. Damages to the motorhome as a result of incorrect parking will not be covered under warranty.
- 3) When storing you Pleasure-Way Motorhome, ensure all holding tanks are emptied and flushed, the water system is completely drained including the water heater, the LP gas valve is turned off, the red key disconnect is switch to the off position, and all electrical appliances are turned off.
- 5) To maintain your monitor probe system, it is recommended that after the tanks have been flushed and cleaned thoroughly that a monitor probe cleaner (purchased from your local RV dealer) should be added to your tanks. Please follow the probe cleaner instructions.

TRAVEL PREPARATION

Before You Leave

Prior heading off on your adventures, you should always check to ensure that:

- the LP gas is off at the main valve
- all black and gray waste water tanks are empty
- all electrical cords and exterior hoses are stored back into their respective compartments
- chassis fluid levels are at recommended levels
- chassis tire pressure levels are at recommended levels
- chassis exterior lighting is functional
- air ride bag pressures are at recommended levels
- all exterior components are secure and closed
- the refrigerator power switch is changed to 12-Volt
- all interior compartments and drawers are closed
- all interior components are secure and in place
- the furnace control switch underneath the thermostat is off
- the TV swing-out is locked into the closed position
- the site is left in better condition than when you arrived.

While In Motion

- Do not use any appliances while the vehicle is in motion.
- **Warning:** Do not use any propane appliances while the vehicle is in motion.
- For your safety ensure that the main propane valve is in the off position.
- While you are in motion, you will have power to all 12-Volt components such as the dome lights, water pump, roof vent, 12-Volt receptacle, and theatre system.
- You will not have power to the microwave, 110-Volt receptacles, coffee maker and roof air conditioner.
- You will have power to all 110-Volt and 12-Volt if your motorhome is equipped with an operating generator.
- Always remain seated with your seat belt fastened.

Upon Arrival at Your Site

Once you arrive at a site, please ensure that:

- your motorhome is parked in a level position so that your components will be at their optimum performance (place a bubble level in the freezer shelf of the refrigerator to use as a base and level your unit according to this)
- all exterior vents are clear from obstructions
- the black and gray water waste tank valves are closed
- you hook up your AC power cord to the site receptacle (if supplied at site)
- you hook up your fresh water line to the city fill (if supplied at site) or fill fresh water tank
- you turn the LP gas on
- you turn the refrigerator switch power to 110-Volt power
- you turn the water heater on

MOTORHOME SYSTEMS

LP Gas System

Your motorhome is equipped with a Liquid Propane (LP) gas system that provides power to appliances, which are designed to use this gas for operation. The storage tank is located under the chassis in front of the rear bumper and can be accessed through the rear compartment door located in the center of the rear bumper. The main shut-off valve, gage, breather and filler valve for the LP gas is located here. LP gas regulators must always be installed with the diaphragm vent facing downward. Regulators that are not in compartments have been equipped with a protective cover. Make sure that the regulator vent faces downward and that the cover is kept in place to minimize vent blockage that could result in excessive gas pressure causing fire or explosion.

- **Warning:** Do not bring or store LP gas containers, gasoline or other flammable liquids inside the vehicle, because a fire or explosion may result. LP gas containers should not be placed or stored inside the vehicle as LP gas containers are equipped with safety devices that relieve excessive pressure by discharging gas into the atmosphere.
- **Warning:** It is not safe to use cooking appliances for comfort heating. Cooking appliances need fresh air for safe operation. Unlike homes, the amount of oxygen supply in the unit is limited due to the size of the vehicle. Proper ventilation when using the cooking appliance(s) will avoid dangers of asphyxiation. It is especially important that cooking appliances not be used for comfort heating as the danger of asphyxiation is greater when the appliance is used for a long period of time. Therefore, before operation, be sure to open a source of ventilation.
- **Warning:** Do not use portable fuel burning equipment, including wood and charcoal grills and stoves inside the motorhome. The use of this equipment inside the recreational vehicle may cause fire or asphyxiation.

DO NOT FILL LP CONTAINER TO MORE THAN 80% CAPACITY. Overfilling the LP gas container can result in uncontrolled gas flow, which can cause fire or explosion. A properly filled container will contain approximately 80% of its volume of LP gas.

If you smell gas:

1. Extinguish any open flames, pilot lights and all smoking materials
 2. Do not touch any electrical switches.
 3. Shut off the gas supply at the tank valve or gas supply connection.
 4. Open all the doors and other ventilating openings.
 5. Leave the area until the odor clears and you are sure there is no further risk to you or others.
 6. Have the gas system checked and leakage source corrected before using again.
- Do not place the cooktop cover on the stove when the cooktop is lit, or when the burner knobs are in the on position. Allow cooktop to cool before placing any item over burners.

Fresh Water System

The water system built into your motorhome provides full service similar to the system in your home. A 12-Volt self-priming pump draws pressurized water from the fresh water tank to all cold faucets and the water heater. An automatic pressure switch located in the water pump maintains a positive line pressure between 20 to 30 p.s.i. The fresh and gray water tanks are located underneath the floor. The black water tank is located above the floor directly under the toilet.

To fill the fresh water tank, use the gravity water fill located on the driver's side of the van beside the driver front door. First, unlock the water fill compartment and remove the large cap; then place the water hose into the fill. Turn on the water, but not on high pressure because you may have water spilling out. There are two ways of knowing when your water tank is full: (1) by checking the monitor panel located inside your coach; (2) when water starts coming back through the gravity fill. NOTE: If you notice water running out from underneath the van, there is a drain tap located on the side of the fresh water tank ensure the valve is closed. This tap is there to help you drain your fresh water tank without having to open the taps and pump it out.

The city water connection is located in the driver's side component compartment. The city water connection is a convenience for you when you have access to an outside water source. To hook up the city water connection you should make sure that the water pump switch is turned off inside the coach and that all faucets are turned off as well. Attach your water hose and turn on the water supply (but not on high pressure to prevent excessive water force in the unit). NOTE: In different areas the water pressure may vary. It is advisable to use a water pressure regulator because excessive pressure may result in water-line damage. The city water system bypasses the fresh water holding tank and feeds the water lines directly so that you will not have to use the water pump. To disconnect the city water system, first turn off the water source, then open a faucet to relieve some of the pressure in the lines (if you do not open a faucet to relieve some of the pressure, when you unhook the water line, water may spray out), then unhook the water line.

Water Pump Trouble Shooting



The water pump is located in the driver side ottoman, behind the storage area. To access the water pump, remove the ottoman cushion and wheel well cover panel.

If the pump will not prime, please check:

- make sure there is water in the holding tank
- make sure that the battery is not run down
- make sure the waterlines are tight to the pump and to the filter
- check for leaks at inlet fitting and filter (if air is leaking into inlet fittings, tighten fittings or apply clamps as necessary)
- the inline flow filter, located beside your water pump.

If the water pressure drops:

- make sure faucet aerators are clean
- check to make sure there is water in the holding tank
- check to make sure the battery is not run down
- check faucets and connections for leaks.

If the pump runs when there is no apparent demand for water:

- make sure there is water in the holding tank
- check all faucets and fixtures to make sure they are all shut off and not leaking
- check line for leaks.

Water Heater

Your motorhome is equipped with a 6-gallon water heater located on the interior near the driver's side rear corner below the sofa/bed. Please refer to the manufacturer's instruction manual for lighting and maintenance instructions. You must ensure there is water in the tank prior to turning the burner on to heat the water. LP gas is automatically supplied to the main burner to heat water to a desired temperature and then automatically shuts off. A regulated mixture of gas and air is ignited automatically providing a flame, which is directed into the heating tube. The heating assembly is sealed off from the RV interior and is vented to the outside.

Toilet

Please refer to the manufacturer's operating instructions.

Toilet Trouble Shooting:

1. Water keeps running in the bowl:

- check to see if all the levers are turned all the way back. Sticking may be caused by foreign material on the waste valve blade seal at the bottom of the bowl. If the problem persists, you may need to replace the water valve.

2. The Toilet leaks, there is water on the floor:

- if the leak is in the back of the toilet, check the water supply line connection and refer to the manufacturer's installation instructions. If the leak is at the toilet flange area (where the toilet mounts to the floor), check the toilet flange nuts for tightness.

3. Poor flush pressure:

- the levers must be held fully open during the flush. A good flush should be obtained within 2 to 3 seconds. If the problem persists, remove the water supply line and check the water supply. The water supply rate should be at least 10 litres/2.5 gallons per minute to ensure an adequate flush.

Waste System

Before using your waste holding tank, deodorize it by adding one gallon of water and commercial tank deodorizer through the toilet.

Draining Waste Holding Tanks

- 1. Be sure the holding tank valve is closed, then remove the termination cap.**
- 2. Join the sewer hose to the coupling on the main drain outlet.**
- 3. Place the end of the sewer hose into the sanitary dumping station opening. Make sure the hose does not sag or create a p-trap.**
- 4. Open the termination valve on the solid waste holding tank. Once this tank is empty, then open the valve for the gray waste tank. A garden hose may be left running into the toilet with the valve open to further rinse the tank and sewer hose.**
- 5. Close the termination valves and replace the cap.**

6. Deodorize the empty tank by adding one gallon of water and commercial holding tank deodorizer through the tank.

NOTE: If the black water holding tank is allowed to overflow, the overflow may back up through the toilet drain.

The drainage from the sink is collected in a separate gray water holding tank. This tank has its own dump valve but ties into the same termination valve outlet as the waste holding tank. Drain the gray water holding tank in the same way after the draining the waste holding tank. This will help flush out the solids out of the sewer hose.

NOTE: If the gray water tank is allowed to overflow, the overflow may back up through the sink drain. If you are using a sewer hookup in a RV park, keep the valve closed until the holding tank is at least partially full, then open the drain. The large quantity of waste flow will provide more effective drainage and reduce tank stoppages.

NOTE: It is important to clean your monitor probes in your holding tank to ensure their reliability. See your RV dealer for suggested cleaning solutions.

How to Winterize Your Pleasure-Way Motorhome

- 1) Drain your fresh water tank. The fresh water tank is located under the vehicle on the driver side in front of the storage compartment and is the white tank. Open the drain spigot and let the water drain. (There may be a small amount of water left in the tank after it is drained.)



(low point drain
behind rear tire)

- 2) Drain your hot water tank. This is done by removing the Anode rod at the bottom of the water heater tank on the outside of the vehicle. The Anode rod is a 1 1/16" nut (A). Loosely reinstall the anode rod, this will prevent dust and insects from entering the heater

(A)



(B)



- 3) Turn the water heater bypass valves on the inside of the vehicle to the winter position (B). The valve handle at the top of water heater on the red line should be closed. The valve at the bottom of the water heater on the blue line should be closed. The valve in between where the red and blue lines connect should be open.
(The valves are closed when the handle of the valve makes a T with the water line.)
- 4) Remove the water line from the inlet side of the water pump. (This is the clear plastic line going into the filter.) Connect a siphon hose to the inlet side of the water pump place the other end in a container RV Non toxic antifreeze. Turn on your water pump.



- 5) Open the kitchen and exterior shower faucets one at a time allowing the antifreeze to flow through both the hot and the cold sides. Be sure to also open the toilet valve allowing antifreeze to flow through the valve and spigot. Turn off the water pump and disconnect the siphon hose, reattach the original fitting.
- 6) Pour ½ cup of anti freeze down each drain (Kitchen and bathroom sink as well as the shower.)
- 7) Fully charge your auxiliary and turn off and remove the red key disconnect. If you do not have a red key disconnect the positive post on you auxiliary battery.



- 8) Turn you thermostat for your furnace and air conditioner to the off position.
- 9) Turn your propane tank off.
- 10) Place your fridge door in a slightly ajar position.

It is recommended that you start and run your vehicle and generator once a month during the winter season. Check and ensure your batteries (coach and chassis) are charged once a month.

Winter Use

We recommend that the water system not be used when the outside temperature drops below the freezing point. You should ensure that your unit is completely winterized by that time. If it is necessary to use the water system, we suggest that you bring containers of fresh water with you and add non-toxic RV antifreeze to the gray and black water holding tanks.

- Keep in mind that as you add more water to the holding tanks the antifreeze will dilute more than the recommended amount and may start to freeze earlier at cold temperature.

Living Area Electrical System

The Motorhome living area electrical system is designed for convenience. It is capable of supplying the vehicle with at least two sources of power. A 12-Volt auxiliary battery supplies power to the interior components (except the plug receptacles, roof air conditioner, microwave, fridge and coffee maker) for short-term use. This battery is automatically charged when the motorhome is running. For long term use, your vehicle may be powered by plugging into a 110-Volt external power source with the supplied 25-foot power cable. The yellow 25-foot power cable supplied with your coach will have to be connected to your coach, in the driver's side component compartment. This will: supply 110-Volt power throughout the interior, supply power through a power converter to all 12-Volt components and charge the auxiliary battery. **NOTE:** Always connect the power cord to your coach first and then to the power source.

The furnace and range operate only on LP gas and the refrigerator can operate on all 2 sources (12-Volt DC and 110-Volt AC). The furnace fan operates on 12-Volts.

Your unit is equipped with a 110/12-Volt power converter. Its function is to take part of the 110-Volt current that is received when the unit is plugged into an external power source and change it to 12-Volts (which powers most of the motorhome components). It also provides 110-Volt power to the components that only require 110-Volts.

NOTE: The 12-Volt or DC power on your fridge should be used while in motion .

12-Volt Manual Reset Breakers and Converter Output Fuses

Your motorhome has manual re-setting breakers. Access to these breakers is through a compartment door found beside distribution panel in the passenger ottoman area. These three breakers have an , 30 and 15-amp capacity. The 80-amp breaker controls the charge line from the chassis alternator to your auxiliary battery through the battery isolator. This charge line charges your auxiliary battery while you are driving. The 30-amp breaker controls the power converter and the 15-amp breaker controls the refrigerator when it's running on 12-Volts. If you have the electric sofa option, you will have an additional 30-amp breaker. This breaker controls the power to your electric sofa.

If you are experiencing any difficulties with either your auxiliary battery, power converter or the refrigerator when on 12-Volts, check these breakers first to see that they are not tripped. The small re-set button is located on the end of the breaker. Simply push it in if it is tripped.

Trouble Shooting 12volt or DC power:

There are two sources of 12volt or DC power in your Motor Home. One is your auxiliary battery and second is your DC converter. The converter will only function when your Motor Home is plugged into an appropriate power source or when the generator is engaged.

Note: In the Motor Home portion of the vehicle all **White** 12 volt or DC wires or wires taped off with white electrical tape are the ground or negative wires. All other colored wires are positive wires. This is in accordance with the RV industry standard.

Auxiliary Battery Source:

Step 1 – Ensure the Red Key disconnect is in the on position. The key can not be removed when the switch is in the on position.



(passenger ottoman bench face)

Step 2 – Ensure your auxiliary battery has charge, and is connected correctly.
(White wires or wires taped off with white electrical tape are negative wires.)

Note: If your vehicle is not equipped with a generator and is generator ready there may be a wire taped off in the battery compartment. This will be the generator wire.

Step 3 – Check the individual fuses for the equipment that is not functioning.



Step 4 – Check the manual reset 12 volt or DC breakers. Reset can be found at the copper post end, it is a small black button. There is one for the Converter, fridge, power sofa and air compressor if so equipped.



12 volt DC Converter Source:

The 12 volt DC converter works when the Motor home is plugged into a 120 volt power source or the generator is functioning. The converter will also charge the Auxiliary battery when the red key disconnect is in the on position.

Steps 3 & 4 from battery source apply to the converter function.

Step 5 – Ensure the converter breaker in the 120 volt distribution panel is on.

Step 6 – Ensure the converter is plugged into the back of the distribution panel.



Step 7 – Ensure the two 30 amp fuses are good on the converter.



There are two 30-amp converter output fuses located behind your converter breaker panel. In order to access these two fuses remove the passenger's side ottoman seat cushion and remove the cover panel over top of the converter compartment.

External AC Power

A 25- foot, 30-amp power cord is provided in the driver's side storage compartment. In order to activate all power circuits, connect the yellow power cord to your coach in the driver's side component compartment and to an adequate 110-Volt power source. The connector is rated for 30-amp capacity. **NOTE:** The male end of the power cord is a 30-amp plug, therefore you may require an adapter to convert the plug into the 110-Volt style. Most RV parks are equipped with 30-amp plug-ins. Remember to always attach the power cord to your coach first, and then to the power source.

Trouble Shooting 120 volt or AC power:

Step 1 – Ensure you have a known good power source for your power cord to plug into. Test the plug with another appliance. Ensure your power cord is properly attached to your Motor Home.

Step 2 – Ensure the GFCI has not been tripped. Press the test button and then reset the GFCI. If the light is on in the middle of the CFCI it indicates it is tripped.



Step 3 – Ensure the breakers in your distribution panel have not been tripped.



If you have power from shore power (electrical plug), but not from your generator.

Step 4: Ensure the breaker on the generator is not tripped.



If you have power from your generator, but not from shore power.

Step 5 – Check your shore power source (Step 1)

Ensure your Automatic transfer switch is snapping shut. There are several different methods to do this. Inside the transfer switch there is a set of points that are spring loaded on occasion the points will not make proper contact.

Method 1: Restart your generator, have your power fully engaged by the generator, switch off the generator and plug your power cord into a 120 volt electrical outlet. (You may have to repeat this step a couple of times, always ensure that you unplug your power cord before starting your generator.)

Method 2: **Turn off your generator and unplug your Motor Home from shore power.** Locate the transfer switch, open the transfer switch, move the points back and forth making sure they have free movement. Check for debris between the points.



AC or 120 volt appliances:

Roof Air Conditioner
Fridge when switched to AC
Microwave
Converter
TV when plugged into a wall outlet
All 120volt plug receptacles

If an individual appliance is not working ensure that the appliance is plugged in and check the breaker for the individual appliance.

Note: The fridge, kitchen plug and exterior plug are controlled by the GFCI.

Monitor Panel

There is a monitor panel located above the main entrance side doors. In this panel is the carbon monoxide sensor, water heater control switch, generator control switch (optional) and the water pump control switch which also monitors the black, gray and fresh water tank levels.

12-Volt Battery Disconnect Switch

There is a red key, 12-Volt disconnect switch located in the passenger's ottoman. Access this switch through the bench door of the ottoman. When the key is in the "ON" position it will be locked in place. When the key is in the "OFF" position it can be easily removed, which will stop all 12-Volt power supplied to your coach. **NOTE:** Disconnect from the auxiliary battery if you are not going to be plugged into 110-Volt or if you are not using the vehicle because the LP detector and the CO detector will draw your auxiliary battery down over a prolonged period of time.



Auxiliary Battery

Your motorhome is equipped with an auxiliary coach battery besides the chassis engine starting battery in order to provide 12-Volt power to your interior components (and to not create a drain on the chassis battery). The chassis battery is not tied into the living area of the coach in order to provide constant starting power for the engine.

A battery separator is installed to allow both batteries to be charged when the engine is running, but will not allow the chassis battery to discharge when there is a demand from the living area system. The coach battery is automatically charged whenever the vehicle engine is running. The time required to charge it completely will depend on how low the battery is. The auxiliary battery will charge at a slower rate when you are using driving lights, chassis air conditioning, etc. The auxiliary or coach battery will also be charged when plugged into shore power or when operating your generator with the red key disconnect in the on position.

The separator requires no regular maintenance.

NOTE: The chassis battery is only charged through the alternator when the motor is running.

Battery Care

Your auxiliary battery must be regularly cleaned and maintained at least once a month in order to provide a reliable and constant power source to your Motorhome. To ensure satisfactory battery performance, battery terminal cleanliness is essential.

NOTE: Please see the battery manufacturer's instructions for detailed maintenance recommendations.

Warning: Batteries give off explosive gases that can cause severe personal injury. Do not smoke in or around the battery and keep open flames and other sources of ignition well away from the battery. **Remember, batteries can and do, EXPLODE! Be very careful.** Battery electrolytes can cause severe eye damage and skin burns. Always wear protective equipment (goggles, rubber gloves, a protective apron, etc.) when working with batteries.

Maintain the battery as follows (unless the battery manufacturer has other instructions and recommendations):

1. Keep the battery case clean and dry.
2. Make certain that the battery cable connections are clean and tight.
2. Identify the cables as positive (+) or negative (-) before making any battery connections. Always remove the negative (-) cable first and connect it last, to reduce the risk of arcing.
3. To remove corrosion from the battery terminals, remove the cables from the battery and remove the battery from its compartment. Wash the terminals and posts with an ammonia solution or a solution consisting of 1/4 pound of baking soda in 1 quart of water. Be sure that the vent plugs are tight to prevent the cleaning solution from entering the cells. After cleaning, flush the outside of the battery and the surrounding areas of the compartment with clean water.
4. Maintain the electrolyte level by adding distilled water. The water level should be kept 1/4" below the bottom of the fill tubes. The water component of the electrolyte evaporates, but the sulfuric acid component remains. For this reason, add water, not electrolytes to the battery.
5. Use a battery hydrometer to check the specific gravity of the electrolyte in each battery cell. Charge the battery if the specific gravity measures less than 1.215. Do not overcharge the battery. Stop charging the battery when the electrolyte specific gravity reaches 1.260, at approximately 80 degrees F (27 degrees C). Let the battery cool down prior to usage.

6. Replace the battery into the compartment and reconnect the cables tightly.
7. When winterizing your unit or if you are storing your vehicle in below freezing temperatures, be sure your auxiliary and chassis batteries are fully charged.
8. If your vehicle will be stored in extreme cold for an extended period of time, it is strongly recommended that your chassis and auxiliary batteries be taken out of your coach and stored in a warm, protected place.

Generator

If your unit is equipped with a generator, it will be located behind the driver's entrance door. Access to the generator is found through the first locking storage door or from underneath the chassis. There is no access through the interior so as to prevent exhaust gases from seeping into the living compartment. The generator will provide an added source of power to run the electrical system when you are not plugged into a 110-Volt power source. To start your generator you will see an Onan start/stop switch located on the monitor panel. Simply hold the button down until the generator starts, it may take a few seconds initially for it to start. Your generator draws its gas supply from your chassis gas tank, but won't drain it. **NOTE: You must have a minimum of a 1/4 tank of gas for the generator to run.** Once the generator is running, it supplies power to the entire electrical system, just as if your unit were plugged into a 110-Volt power source.

If your motorhome is not equipped with the generator and you wish to install it at a later date, have an authorized dealer install this equipment.

NOTE: If your unit is equipped with a generator, it is essential that you run your generator at least ½ hour a month under load (microwave, AC, coffee maker, etc.) to keep the generator fuel from damaging the carburetor.

NOTE: If your vehicle is going to be in storage for a period of time, it is recommended that a fuel stabilizer be added to your fuel tank and run into your generator.

NOTE: For your safety and protection, all generator or generator-ready units are equipped with an automatic transfer switch that will allow your coach to receive power from either shore power or your generator

MOTORHOME INTERIOR

Interior Cockpit Map Light

***Note:** This is the Chevrolet/ GMC map light system, refer to the vehicle manual for operation.

***Note:** The cockpit map lights operate off the chassis/engine starting battery.

Refrigerator - Norcold

Your Norcold refrigerator is designed for 2 way operation, using 12-Volt DC & 110-Volt AC power.

When your motorhome is parked, it should be level for your refrigerator to provide the optimum cooling. A bubble level can be placed on the freezer shelf to determine leveling adjustments.

For 110-Volt AC operation, make sure the power cord is connected and switch the selector switch to AC power. For the 12-Volt DC operation setting, power is provided by the auxiliary battery. However, the 12-Volt power should not be used when stationary in order to prevent battery drainage. **NOTE:** The refrigerator should be turned to 12-Volt when the vehicle will be in motion and the LP gas must be turned off.

NOTE: Please refer to the manufacturer's operating manual for complete operating instructions and maintenance procedures.

NOTE: For operating instructions for the remainder of your appliances, please see each respective manufacturers' operating manuals.

Stove/ Cook top – Suburban

Your Suburban two burner stove is a manual light appliance.

***Note:** Do not place the stove cover on the stove while the appliance is lit.

***Note:** Allow the stove surface to cool before placing the cover on the stove.

TV and DVD (Optional)

If your motor home is equipped with TV and DVD components, you will find these located in the rear entertainment center cabinet. These two components are powered by a 12-Volt power source.

NOTE: Your DVD is a player only; it will not record. To play a CD or MP3 in this player the TV must be turned on.

Basic TV Operation:

Raise the TV antenna (rotate the TV antenna for best reception) or hook up to park cable.

12 Volt Operation:

- 1) Turn the inverter located in the cabinet directly above the TV to the on position. (Switch is located beside the fan on the right hand side).
 - Ensure the TV and DVD player are plugged into the inverter and the inverter is turned on.
- 2) Turn the antenna booster on by pressing the black button just above the inverter on the white wall plate. (green light indicates booster on)
- 3) Turn the TV on and select DTV-TV using the input button on your TV or remote.
- 4) Using the menu button select - TV, select -Channels, select - Scan Channel. This will bring in all local air channels.
- 5) For Cable TV connect a cable extension cord from the cable hookup in the component compartment to the park cable outlet. Turn the booster off on you TV antenna follow step (4) for auto programing.
- 6) For DVD operation turn on the DVD player. Using the source button on you TV or TV remote select HDMI 1. Insert a DVD or Blu-Ray Disc allow the Disc to load and press play.
 - To save power while watching TV ensure the DVD player is switched off. Only turn your DVD player on when in use.

For 120 volt Operation (Generator or Shore Power)

Plug the TV and DVD player into the outlet located above the inverter. Switch the inverter off on the right hand end panel next to the fan. Use the same programing procedures as the 12 volt operation.

***Note: When travelling the TV should remain in the locked position.**

Swivel Seats

To turn the seats, slide the seat to the middle slide position, then move the backrest into the farthest upright position and swivel the chair with the backrest toward the outside of the unit.

Bed Layout

The Basis unit is unique in that it has 3 possible bed lay-out position: queen-size, double, or two single beds.

For a queen-size bed: (1) bring the power sofa forward into a full lay-out position; (2) move the driver's ottoman seat in so that the oak blocks on the bottom of the cushion are in front of the face frame; (3) place the cushion support board (found in the front closet) between the oak cushion blocks on the driver's side supported by the oak rails on the passenger's and driver's side; and (4) place the black rest cushions on the support board to fill in the space between the two ottoman cushions.

NOTE: In the Excel TS, move the passenger's ottoman seat out so that the back cushion block is in front of the face frame and the front cushion block is behind the face frame.

For a double bed: bring the power sofa into a full layout position - sleep across the unit using only the power sofa bed.

For two single beds: (1) bring the power sofa into a full layout position and (2) remove the ottoman backrest cushions.

COACH SPECIFICATIONS

Norcold 2 way AC/DC Refridgerator (3 cu. Ft)	X
Dometic .7 cu ft Microwave	X
Suburban 2 – burner Lp gas cook top	X
Suburban 16,000 BTU Auto Ignition Furnace	X
Suburban 6 USA Gallon Water Heater	X
Sure-Flo Demand Water System	X
Thetford Flush Toilet	X
11 foot Fiamma Awning	X
Pass Through Under Bed Storage	X
Flip Up Counter Extension	X
C.O./LP gas Detector	X
11,000 BTU Cool Cat Air Conditioner/Heat Pump	X
Smoke Detector	X
Fire Extinguisher	X
Fantastic Fan Roof Vent	X
Auxiliary Battery compartment	X
45 Amp Power Convertor/Charge Wizard With a Distribution Panel	X
Fresh/Gray/Black/Battery Monitor Panel System	X
Locking Fresh Water Fill	X
Twin Bed/ queen Bed with a manual Sofa	X
Awning Style Windows	X
Hitch	X
Cocktail and Rectangular Tables	X
Continental Spare Tire Cover	X
Sink Cover	X
Rear Component Compartment	X
Porch Light	X
Exterior 110 volt Plug	X
Cable TV Hook Up	X
15” Crank Up TV Antenna	X
Water Heater By Pass	X
Fiber Glass Running Boards	X
Exterior Storage Compartment	X
Auxiliary Battery Disconnect	X
Generator Ready Package	X
Fresh Water Tank 27 USA Gallons	X
Gray Water Tank 27 USA Gallons	X
Black Water Tank 11 USA Gallons	X
Propane Tank 10 USA Gallons	X

Legend: X= Standard, N/A= Not Available

