

Sunline Coach Company  
Sunline's General 'How To' Guide for RV Operation

**GAS / ELECTRIC HOT WATER HEATER**

CHECK TO SEE THAT THE GAS BOTTLES ARE TURNED ON. **MAKE SURE WATER IS THROUGH THE SYSTEM COMPLETELY BEFORE TURNING ON THE WATER HEATER OR THE HEATING ELEMENT COULD BE DAMAGED.** TURN ON THE HOT WATER FAUCET AND WAIT FOR A STEADY STREAM OF WATER TO COME THROUGH. IF THIS DOES NOT HAPPEN, CHECK TO SEE IF THE WATER HEATER BY-PASS IS IN THE WINTERIZATION POSITION. (THIS IS FOUND ON THE BACK OF THE WATER HEATER).

CHECK THE ITEM LOCATOR TO FIND YOUR WATER HEATER. (**STARTING WITH MODEL YEAR 2004 THE 110 SWITCH IS ON THE MONITOR PANEL**) TURN ON THE “AUTO IGNITION SWITCH” TO IGNITE THE GAS MODE OR TO TURN ON THE ELECTRIC MODE. IN MOST UNITS IT IS LOCATED AT THE GALLEY ON THE MONITOR PANEL, SOME UNITS WILL HAVE IT IN THE BATHROOM. IF A RED LIGHT COMES ON AND STAYS ON IT MEANS THAT THE IGNITION HAS FAILED. GO OUTSIDE TO THE WATER HEATER AND CHECK THE “FLUE CHAMBER” (SEE WATER HEATER MANUAL) FOR DIRT, SPIDER WEBS, ETC. CLEAN THE FLUE AND TRY AGAIN.

**GAS / ELECTRIC REFRIGERATOR**

IN ORDER TO OPERATE ON ELECTRIC YOU MUST “**PUSH IN**” THE ON/OFF BUTTON AND THE “GAS MODE” BUTTON AND LEAVE IT THERE. IF THE ELECTRIC IS INTERRUPTED IT WILL SWITCH TO GAS AUTOMATICALLY. TO USE GAS ONLY YOU MUST “**PUSH OUT**” THE GAS MODE BUTTON. IT WILL BYPASS THE ELECTRIC AND RUN ON GAS. MAKE SURE THE REFRIGERATOR IS LEVEL TO ENSURE PROPER OPERATION. THE REFER SHOULD ALSO BE LEVEL WHEN IN STORAGE.

**CONVERTER**

THIS CONVERTER IS DESIGNED WITH A SHUTDOWN MODE. IT PUTS OUT A PURE 12 VOLTS. IF, BECAUSE OF EXCESSIVE DEMAND, IT CANNOT DO THIS, IT WILL SHUT DOWN. THIS IS A SAFETY FEATURE THAT WILL PROLONG THE LIFE OF THE CONVERTER AND PROTECT YOUR APPLIANCES FROM LOWERED VOLTAGES. IF THIS HAPPENS ALLOW AT LEAST ½ HOUR TO COOL DOWN. TURN OFF SEVERAL LIGHTS, APPLIANCES AND RESET THE MAIN SWITCH ON THE CONVERTER. THE BATTERY MUST BE HOOKED TO UNIT FOR PROPER OPERATION. IF UNIT HAS BEEN UNPLUGGED FOR A LONG PERIOD OF TIME AND THE LIGHTS ARE TURNED OFF IT WOULD BE A GOOD IDEA TO TURN ON ABOUT 6 LITES BEFORE YOU PLUG IT IN TO PREVENT A POWER SURGE FROM THE CONVERTER TO THE BATTERY. THE SURGE WOULD BLOW THE 30 AMP FUSES TO THE BATTERY. THE BATTERY MUST BE HOOKED TO UNIT FOR PROPER OPERATION. IF UNIT IS LIFT PLUGGED IN FOR LONG PERIODS OF TIME WITHOUT BEING USED (ONE MONTH OR MORE) IT COULD RESULT IN DAMAGE TO THE BATTERY.

## **TOILET**

KEEP BLACK TANK SLIDER VALVE CLOSED (SEPTIC TANK) UNTIL IT IS TIME TO DUMP. **BE SURE TO PUT SEVERAL GALLONS OF WATER INTO THE BLACK TANK BEFORE USE.** THIS WILL KEEP SOLID WASTE FROM COLLECTING IN ONE SPOT AND HINDER DRAINING OF THE TANK. WE RECOMMEND USING A SOLUTION TO HELP DISSOLVE TISSUE AND A DEODORIZER FOR THE BLACK TANK. THESE ITEMS CAN BE PURCHASED AT ANY RV DEALER OR CAMPING SUPPLY STORE.

## **BLACK TANK RINSE KIT**

THE FITTING IS LOCATED ON THE OUTSIDE OF THE TRAILER IN LINE WITH THE BLACK HOLDING TANK. SCREW A GARDEN HOSE TO THE FITTING. AFTER YOU EMPTY THE BLACK TANK TURN ON THE WATER AND LET IT RUN FOR A FEW MINUTES. YOU MAY HAVE TO REPEAT THIS A FEW TIMES TO GET THE TANK AS CLEAN AS POSSIBLE.

## **WATER PUMP**

THE WATER PUMP IS ONLY NECESSARY WHEN THERE IS NO CITY WATER HOOK-UP. THE FRESH TANK SHOULD BE FULL TO ENSURE ENOUGH WATER TO THE HOT WATER HEATER. LOCATE THE WATER PUMP SWITCH ON THE MONITOR PANEL (AT GALLEY OR BATHROOM) TURN IT ON AND THE WATER PUMP WILL PUMP WATER THROUGH THE SYSTEM. WHEN THERE IS FULL HOOK-UP, CONNECT A GARDEN HOSE TO THE WATER SUPPLY AT YOUR SITE, THEN ATTACH THE OTHER END TO THE CITY WATER FILL ON THE OUTSIDE OF YOUR TRAILER. WATER PRESSURE WILL RUN WATER THROUGH THE WATER LINES FOR AS LONG AS IT IS NEEDED.

**CAUTION: SOME CAMPGROUNDS HAVE VERY HIGH WATER PRESSURE!!** A WATER PRESSURE REDUCER WOULD LOWER THE RISK OF LEAKS CAUSED BY EXCESSIVE PRESSURE. AS AN ADDED PRECAUTION, YOU COULD TURN OFF THE WATER WHEN YOU LEAVE FOR EXTENDED PERIODS OF TIME. IF A PROBLEM WERE TO OCCUR, ONLY THE WATER IN THE LINES WOULD ENTER THE UNIT.

## **WINTERIZING KIT FOR WATER PUMP**

YOU WILL FIND A VALVE AT THE WATER PUMP WITH A CLEAR PLASTIC LINE. PLACE THE END OF THE LINE IN THE JUG OF RV ANTI-FREEZE, TURN THE VALVE, THEN TURN ON THE WATER PUMP. THE WATER PUMP WILL THEN SIPHON THE ANTI-FREEZE FROM THE JUG AND THROUGH THE WATER SYSTEM TO WINTERIZE THE WATER LINES. THIS WILL ELIMINATE THE NEED TO POUR THE RV ANTI-FREEZE INTO THE FRESH TANK AND THEN PUMP IT THROUGH THE SYSTEM.

## **SLIDER VALVES**

WHEN CAMPING WITH FULL CITY HOOK-UP, REMOVE THE DRAIN HOSE FROM THE BUMPER AND CONNECT ONE END TO THE 3" DRAIN LINE ON THE RV AND THE OTHER END TO THE SEPTIC TANK AT THE CAMPSITE. KEEP THE BLACK

TANK (3" VALVE) CLOSED AND THE GREY TANK (1 ½" VALVE) OPEN. USE THE MONITOR PANEL TO WATCH THE LEVEL OF THE BLACK TANK. WHEN THE TANK IS CLOSE TO BEING FULL, GO OUT AND OPEN THE SLIDER VALVE AND DRAIN THE TANK. AFTER APPROXIMATELY 15 MINUTES, CLOSE THE SLIDER VALVE. GO BACK INSIDE AND RUN SEVERAL GALLONS OF WATER INTO THE TANK. REPEAT AS OFTEN AS NEEDED.

THE GREY TANK CAN BE LEFT OPEN ONLY WHEN THERE IS FULL HOOK-UP BECAUSE IT HOLDS ONLY THE SHOWER AND SINK WATER. WHEN IT IS TIME TO LEAVE THE CAMPGROUND, CLOSE THE GREY TANK SLIDER VALVE TO COLLECT SOME WASH WATER. DRAIN THE BLACK FIRST, AND THEN OPEN THE GREY. THIS WILL HELP TO CLEAN OUT THE DRAIN HOSE BEFORE STORING IT IN THE BUMPER.

THE PROBES IN THE HOLDING TANKS MAY SOMETIMES GIVE FALSE READINGS DUE TO WASTE AND RUST COLLECTING ON THE SENSORS.

### **AWNINGS**

**ATTENTION: NEVER LEAVE YOUR AWNING OPEN WHEN YOU ARE AWAY FROM YOUR CAMPSITE!!** SUDDEN STORMS WITH HIGH WINDS CAN CAUSE SERIOUS DAMAGE TO THE AWNING AND YOUR TRAILER. WHEN YOU ARE AT YOUR CAMPSITE AND IT BEGINS TO RAIN, SLANT ONE SIDE OF THE AWNING TO ALLOW THE RAIN TO RUN OFF. IF THIS IS NOT DONE THE WEIGHT OF THE WATER COULD ALSO CAUSE SERIOUS DAMAGE.

### **GENERAL INFO:**

BE SURE TO GIVE PROPER MAINTENANCE TO THE PLUMBING, WATER LINES AND EXTERIOR SEALS ON A REGULAR BASIS TO KEEP WARRANTY IN PLACE. REMEMBER, YOUR TRAILER IS A HOUSE ON WHEELS. THINGS MAY VIBRATE LOOSE AND POSSIBLY COME APART. SEALS/PUTTY AROUND WINDOWS & LUGGAGE DOORS ECT. WILL DRY OUT FROM EXPOSURE TO THE ELEMENTS AND THE SUN. WASHING THE RUBBER ROOF OFTEN WILL HELP REDUCE THE BLACK STREAKS ON YOUR TRAILER. USE A MILD DETERGENT LIKE TIDE LAUNDRY SOAP OR DAWN DISH SOAP. YOU SHOULD NOT USE ANY OVER THE COUNTER RUBBER ROOF CLEANERS PER DICOR CORP. IF ANY OF THE COMPONENTS IN YOUR TRAILER SHOULD FAIL TO OPERATE, CONTACT YOUR DEALER. CONSULT THE OWNERS MANUAL FOR MORE SPECIFIC INFORMATION ON THE APPLIANCES FOUND IN YOUR NEW TRAILER. PLEASE NOTE THAT APPLIANCE MANUFACTURER'S INSTRUCTIONS SUPERSEDE ANY INSTRUCTIONS FOUND IN THIS "HOW TO" GUIDE.

WE HOPE YOU WILL FIND THESE INSTRUCTIONS HELPFUL AND EASY TO FOLLOW. CAMPING SHOULD BE FUN, NOT HARD WORK. ENJOY YOUR NEW SUNLINE RV AND THE UNIQUE LIFESTYLE IT PROVIDES!!

**HAPPY CAMPING!!**

**CUSTOMER ASSURANCE  
SUNLINE COACH CO.**

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