

Marine Radio

Your Houseboat has come equipped with a VHF Marine Band Radio. It is located at the helm, to the left of the steering wheel.



On/Off

- ☞ Turn on DC MAIN Breaker
- ☞ Turn on RADIO Breaker on the DC Panel
- ☞ Turn the volume Knob in a clockwise direction to turn *on* the radio.

Channel 16

- ☞ **Use Channel 16 for hailing and emergencies only.** Never use Channel 16 for routine conversations.
- ☞ In case of an emergency, hail the National Park Service on channel 16. They monitor this channel 24 hours a day.
- ☞ To hail Boat Rentals, turn radio ON and to Channel 16, depress button on side of handheld microphone to talk, and release the button when you are finished talking. The Boat Rentals Office monitors this channel during regular business hours.

- ☞ Say “_____ (the name of the marina you are calling) BOAT RENTALS this is houseboat # _____” (number of your houseboat). For example: “Bullfrog Boat Rentals, this is houseboat # S11.”
- ☞ When communication is established, we will direct you to another channel. Commonly used channels are 10, 12, 68 and 72. Be sure to acknowledge that channel, before you change to the channel. Then turn to that channel, and we will continue the conversation.

Information you will need when you call us:

- 1. Your boat number.**
- 2. Your exact location, if known.**
- 3. Description of the problem.**
- 4. Any details on the troubleshooting you have already tried.**

- ☞ If you need assistance we will attempt to help you troubleshoot a problem over the radio. If we are not successful, we will dispatch a technician out to help you.
- ☞ For safety, our technicians can only be dispatched if they can fix the problem and return to our docks before dark. If we receive your call late in the day, we will gladly respond first thing the next morning.

Marine Radio

Weather

- ☞ W/X button or Channel 1 on your marine radio is the weather channel.
- ☞ This channel is updated periodically by the National Weather Service.
- ☞ Be sure to check this channel regularly during your trip to keep apprised of the changing weather conditions here at Lake Powell.

Request for Assistance Card

- ☞ If for some reason you cannot reach us by Marine Radio, fill out your Request for Assistance Card located in your manual.
- ☞ Flag down a boat passing by and ask them to take it to the nearest marina for assistance.
- ☞ We will dispatch a technician out to your boat as soon as we can safely do so.

Other Information

- ☞ Do NOT use VHF antenna as a flag pole or hang anything on the antenna.
- ☞ Channel 26 is the Marine Operator.
- ☞ Marine Radios transmit line-of-sight. So if you are back in a canyon, you may have to ask assistance from another boater with a radio to help contact us if you cannot get through directly.
- ☞ Profanity over the public airways is a federal crime.
- ☞ **Reminder:** Your Marine Radio is not a toy and should be operated only by a responsible adult.
- ☞ A VHF marine radio is not the same as a Citizen's Band Radio. CB lingo and 10-codes are not used.

COMMON TROUBLESHOOTING

Problem	Possible Causes	Remedies
<ul style="list-style-type: none">☞ Not transmitting or receiving	<ul style="list-style-type: none">☞ Low house battery☞ Radio not set on USA☞ Radio blocked by canyon walls☞ Set on 1 watt mode ☞ Antenna has fallen down	<ul style="list-style-type: none">☞ Charge house battery☞ Push USA/Int button☞ Move the houseboat to open water☞ Push 1/25 button to change to 25 watt☞ Raise antenna

Engines/Helm

YOUR HOUSEBOAT HAS TWO ENGINES...

- ☞ For greater maneuverability and power.
- ☞ To provide you with a *spare* in case of engine failure.

Your engines are well maintained, but occasional breakdowns can occur. The *spare* is to ensure your safety and save you inconvenience. Don't let the loss of one engine delay your vacation. Proceed on your planned itinerary with the good engine and we will catch up to you as soon as possible and make necessary repairs.

GAUGES

Tachometer

- ☞ Monitors the engine revolutions.
- ☞ Wide-Open Throttle (WOT) should be 4800-5200 RPM's.
- ☞ The most efficient cruising RPM will be 3800-4200 RPM

Fuel Gauge

- ☞ Key must be on for fuel level to register.

Horn

- ☞ Turn on the breaker for Cockpit Supply and Accessory located on your DC panel.
- ☞ Push in the HORN button at the helm.

NAUTICAL NOTE: When leaving a dock, signal with 1 long blast (4 seconds) and 3 short blasts (1 second each).

THROTTLE

Setting Neutral Throttle for Starting

- ☞ Turn on breakers for COCKPIT SUPPLY, RADIO/STEREO and ACCESSORY.
- ☞ Confirm that the throttle is in neutral position.
- ☞ Turn the key to first click – Beeper will sound.
- ☞ Push and hold “black” command button the Red light will be solid to indicate that the shift control is activated, and lever movement will engage prop.
- ☞ Turn key to engage starter. If the engine fails to start in 10 seconds, return key to ON position , wait 30 seconds and try again.
- ☞
- ☞ If the engine fails to start push and hold the command button while pushing the throttles forward one detent. This will allow you to increase the RPM's for starting only.
- ☞ Once it starts allow engine to warm up for 3 minutes..
- ☞



If engine is still difficult to start, squeeze primer bulb, located on the fuel line near the engine, until firm.

Cold Start

- ☞ Same as regular start, but warm up time needs to be extended.

Engines/Helm

GETTING UNDER WAY

From Neutral Throttle

- ☞ Red light on controls will be solid.
- ☞ Push throttle lever forward to go forward or pull back for reverse.
- ☞ Advance throttle to increase speed.
- ☞ Always pause in neutral before changing gears.

Shut Down

- ☞ Return throttles to neutral position.
- ☞ Push engine shut down button until RPM falls to zero and engine is no longer running.
- ☞ Turn key to *off*.

HYDRO-LOCK

Hydro-locking of an engine occurs when water enters the engine cylinders. The starter will click, but the engine won't turn over.

Caused by

- ☞ Overloading the back deck.
- ☞ Large waves behind boat.
- ☞ Dropping lake level which increases the angle of a beached boat.

If you suspect your engine has become hydro-locked, get word to the nearest marina and a technician will be sent out to help you.

RAISING ENGINE

- ☞ Electric tilt toggle is located on the left side of the engine, below the cowling (cover).



Changing the Prop

- ☞ Remove keys from ignition (to avoid someone else accidentally starting the engine).
- ☞ Raise engine.
- ☞ Unscrew lock nut.
- ☞ Remove spacer washer.
- ☞ Remove Prop.
- ☞ Reverse procedure to install the new propeller.

FLYING BRIDGE CONTROLS

Operation from Upper Deck

To get power to the upper deck controls:

- ☞ Engines should be running.
- ☞ Turn on BRIDGE SUPPLY breaker on the DC panel.
- ☞ At the lower helm – put engine control levers in neutral position.
- ☞ On some models, you will need to push down the silver LOCKOUT switch located near the command button. (Pulling the switch up will lock out the upper helm, for safety, when unsupervised children are on the top deck.)
- ☞ At the upper helm – push the “black” transfer button.
- ☞ Red light will come on.
- ☞ Turn key to activate tachometers.
- ☞ Turn key to OFF when transferring power back to the lower helm.

Engines/Helm


- ☞ To transfer control back to the lower helm, set upper helm controls to neutral, then return to the lower helm and press the “black” transfer button to regain control.

Don't Drive From The Upper Deck:

- ☞ In any wakeless area, including the marina.
- ☞ When approaching a dock.
- ☞ When approaching a beach.
- ☞ In narrow channels.
- ☞ *In any situation that requires maneuvering your vessel, always pilot from the main helm*
- ☞

Note: Do not try to start the engines from the upper helm.

COMMON TROUBLESHOOTING

Problem	Possible Causes	Remedies
Engine doesn't turn over	<ul style="list-style-type: none"> ☞ Is the throttle in neutral ☞ Low battery ☞ Hydrolock 	<ul style="list-style-type: none"> ☞ Put throttle in neutral ☞ Charge battery from the Generator ☞ Call the marina for help
Engine turns over but won't start	<ul style="list-style-type: none"> ☞ Out of Fuel 	<ul style="list-style-type: none"> ☞ Drive to nearest marina on engine that has fuel and refuel boat. ☞ If there is fuel in the tank, squeeze primer bulb, located on the fuel line near the engine, until firm.
Engine won't turn off	<ul style="list-style-type: none"> ☞ Engine harness has become Unplugged at the engine 	<ul style="list-style-type: none"> ☞ Unplug the fuel line from the engine or reconnect the harness
No light on control	<ul style="list-style-type: none"> ☞ Turn off key 	<ul style="list-style-type: none"> ☞ Reset the engine control breaker located in the fuel compartment on the rear deck 

Houseboat Batteries

The 12-volt house system includes cabin lights and navigational lights, water pumps, the horn and the VHF Radio.

Charging

- ☞ Start the Generator following Generator Starting Procedures.
- ☞ Turn on the breaker for the BATTERY CHARGER on the AC panel.
- ☞ The batteries will also charge directly from the engines. Operate the engines 2-3 hours at 2000 RPM to fully charge.
- ☞ Charging is most efficient with unnecessary DC breakers off.

Note on XL models only: The battery charger will turn on automatically when the AC MAIN breaker is turned on.

DC Breaker Panel

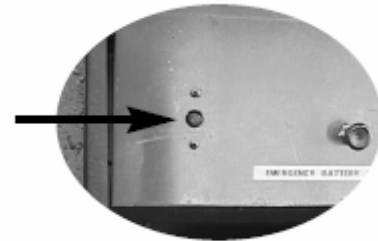
- ☞ Cabin Lights
- ☞ Bridge Supply
- ☞ Accessory
- ☞ Courtesy Lights
- ☞ Bilge Pump
- ☞ Cockpit Supply
- ☞ Radio/Stereo
- ☞ Water Pressure
- ☞ Wash Down

Please Note:

- ☞ Turn off the Wash Down breaker while beaching, underway or unbeaching. Once you are beached, leave this breaker off for an additional 15 minutes to let sand and sediment in the water settle.
- ☞ It is not necessary to switch on the bilge pump unless water is noted under the deck of the cabin. The bilge pump is wired to automatically switch on when water is present.

DC Panel Breaker

- ☞ If you should lose DC power and your batteries are fully charged, reset the DC breaker located in the generator compartment.
- ☞ Push in the Red button marked "50".



BATTERY TEST

1. Houseboat Battery

- ☞ Located in the upper left-hand corner of the main panel is the DC volt gauge.
- ☞ Push toggle switch up and the volts will register.
- ☞ Should be between 11-13 volts when generator is not running.
- ☞ When generator is running and the battery charger is on, should be 12.5 volts or greater.

2. Generator Crank Battery

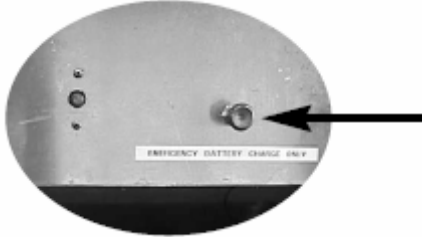
- ☞ Push toggle switch down and the volts will register.
- ☞ Should be 12 or greater when generator is not running.
- ☞ When generator is running, should be 12.5 or greater.

EMERGENCY BATTERY CHARGER

- ☞ Only use if house battery is registering less than 8 volts.
- ☞ Start the generator and allow 5 minutes to warm-up.
- ☞ Open the generator compartment.

Houseboat Batteries

- ☞ Pull the red EMG charge knob located next to the DC breaker.



- ☞ **DO NOT** use for more than 1 hour.
- ☞ **NEVER STOP** or **START** the generator while using this charging system.

Remember: Each light or appliance will need to be turned on individually once the breaker is on.

Tips for Getting the Most from your Houseboat Batteries

- ☞ When generator is running ALWAYS have the AC MAIN and BATTERY CHARGER breakers on.
- ☞ Charge daily.
- ☞ The lake water pump draws a lot from the houseboat batteries. When using the shower or washing dishes, run the generator with the BATTERY CHARGER on.
- ☞ Don't use unnecessary lights such as running lights and anchor lights.
- ☞ The Cockpit Supply, Bridge Supply Accessory and Radio/Stereo should be ON when under way but may be turned OFF when beached.

NOTE: Deep Cycle batteries are used to extend the time between charging. However, they also require more time to recharge when they are discharged for too long. When the lights dim and the pumps slow, a recharge is overdue.

Generator

YOUR GENERATOR IS LOCATED IN A BELOW DECK COMPARTMENT OF THE REAR DECK.



CAUTION: The blower must be used at least 5 minutes before starting the generator located below deck, to clear any fumes that may have collected.

Starting/ Warm Up

- ☞ Turn ON blower button located at the helm.
- ☞ The remote start is located on the upper right hand corner of the DC breaker panel.
- ☞ Confirm that the AC MAIN breaker and all circuit breakers are off.
- ☞ Push the rocker switch to off.
- ☞ Push and hold the PREHEAT ROCKER switch for 3-5 seconds to start the fuel system pumping.
- ☞ Continue to hold the PREHEAT button and press START until the available power light stays on.
- ☞ Once started, continue to hold the ON button until the generator reaches full RPM or 10-15 seconds.
- ☞ If engine fails to start, wait 20 seconds and repeat.

NOTE: The engine won't start with a load on the circuit. By continually holding the rocker switch, you can run down the battery or damage the starter

- ☞ Allow the engine to warm up for 5 minutes.
- ☞ Switch the AC MAIN breaker ON.
- ☞ Turn off the BLOWER.
- ☞ You may now turn on individual AC breakers to provide power to your houseboat.

NOTE: Your generator also has an ON/OFF rocker switch on the generator itself. If your remote starter does not work, try this one.

To Shut Down Generator

- ☞ Turn off all circuit breakers.
- ☞ Turn off AC Main breaker.
- ☞ Push and hold STOP button until the AVAILABLE POWER Light goes off.

Breaker Panel

- ☞ Deck Lights
- ☞ Head Lights
- ☞ Stateroom
- ☞ Lights
- ☞ Galley Lights
- ☞ Fan
- ☞ Compressor for Air Conditioner
- ☞ Air Handler for Air Conditioner
- ☞ Range
- ☞ Salon Lights
- ☞ Hull Lights
- ☞ Microwave
- ☞ Battery Charger
- ☞ Water Heater
- ☞ Television
- ☞ Refrigerator
- ☞ Freezer (XL Models Only)



Generator

GFI Outlets

Some electrical outlets have a GFI breaker. Push in the RESET button to reset.

Special Notes

- ☞ If your houseboat breaks anchor and/or drifts sideways onto a beach, the generator must be shut down immediately to prevent the cooling system from being fouled with sand and silt. This can cause overheating and disable your generator.
- ☞ Your generator cannot provide power to everything all at once. You will not be able to use the Air Conditioner/Heater and Range at the same time the power draw is too great.
- ☞ Your battery charger is located in the back stateroom closet. It is plugged into an electrical outlet. **DO NOT** unplug the charger.
- ☞ Below deck generators are equipped with coolant (lake water) strainers. Do not open this unit unless no water is pumping from the side of the houseboat during generator operation, or you hear excessively loud operation:

1. Turn off the generator.
2. Remove the brass top off the cooling system strainer.
3. Empty the strainer and replace top.
4. Be certain top is on straight and hand tightened all the way.
5. Restart generator.



Inverter System (XI Models Only)

- ☞ The inverter panel is located to the right of the Main Breaker Panel.



- ☞ The refrigerator, television and freezer
- ☞ These appliances will all work without the generator running.
- ☞ Turn on the individual breakers on the Main Breaker Panel for power to the specific appliance you wish to operate.

Generator

COMMON TROUBLESHOOTING

Problem	Possible Causes	Remedies
No generator power	<ul style="list-style-type: none"> ☞ AC MAIN breaker off 	<ul style="list-style-type: none"> ☞ Check breaker on panel
Outlet doesn't work	<ul style="list-style-type: none"> ☞ Is the generator on? ☞ AC MAIN breaker off ☞ Is that area's breaker on ☞ Is GFI tripped 	<ul style="list-style-type: none"> ☞ Start generator ☞ Check breaker on panel ☞ Check breaker on panel ☞ Reset GFI Outlet
Generator Shut down	<ul style="list-style-type: none"> ☞ Overhead ☞ Out of Fuel 	<ul style="list-style-type: none"> ☞ Check Strainer ☞ Check gauges
Generator cranks but won't start	<ul style="list-style-type: none"> ☞ Stop Switch is stuck in the middle 	<ul style="list-style-type: none"> ☞ Check Stop Switch, push and reset to the right.
CO Alarm beeps 4 beeps every 5 seconds	<ul style="list-style-type: none"> ☞ Engines/Generator running 	<ul style="list-style-type: none"> ☞ Turn off Engines/Generator ☞ Evacuate crew out of cabin ☞ Open doors and windows ☞ Press the RESET/SILENCE
CO Alarm beeps 1 beeps every minute	<ul style="list-style-type: none"> ☞ System Error 	<ul style="list-style-type: none"> ☞ Press the REST/SILENCE button for more than 15 seconds to shut off CO Alarm ☞ Contact Boat Rentals to replace alarm.

Water Pressure

YOUR HOUSEBOAT IS SUPPLIED WITH 160 GALLONS OF FRESH WATER.

Fresh Water Holding Tank

- ☞ A chrome cap marked **WATER** is located either outside the helm area, just in front of the stairway, or on the outer wall of the staircase.
- ☞ Open only when refilling tank from a **POTABLE** water hose located at any marina.
- ☞ The fresh water has an *on-demand* pump that operates only when a faucet is turned ON.
- ☞ You must have the breaker for Water Pressure ON on the DC panel.
- ☞ On some models there is a hatch located in the floor behind the helm. On these models a pressure valve is located just inside the access panel to the fresh water tank.
- ☞ The valve must be opened (turn counter clockwise) when filling.
- ☞ Be certain to turn OFF the valve (clockwise) when not being filled.
- ☞ A closed valve keeps the system pressurized.



Water Pressure

- ☞ Turn on the Water Pressure breaker on the DC panel.
- ☞ Turn on the Wash Down breaker on the DC panel.

Faucets

- ☞ The kitchen Large Faucet is lake water.



- ☞ Small Faucet is fresh water.



- ☞ All sinks and showers empty directly into the grey-water tank.

Head/Toilet

- ☞ Wash Down or lake water breaker must be on.
- ☞ To fill toilet bowl with water, lift up on the foot pedal for a few seconds.
- ☞ To flush, step down on the foot pedal.
- ☞ The head empties directly into the Black water Tank.

Note: Make sure pedal returns to the up position. Flooding can occur.

Water Pressure

COMMON TROUBLESHOOTING

Problem	Possible Causes	Remedies
No Water	<ul style="list-style-type: none">☞ WASH DOWN/WATER PRESSURE breaker may not be on☞ Low batteries☞ Lost prime	<ul style="list-style-type: none">☞ Turn on breaker☞ Charge batteries☞ <i>Press down</i> toilet flush for about a minute to restore prime
No fresh water	<ul style="list-style-type: none">☞ Out of water☞ WATER PRESSURE valve not on (if applicable)	<ul style="list-style-type: none">☞ Refill at marina with POTABLE water☞ Turn on valve

Hot Water

YOUR BOAT IS EQUIPPED WITH A 17 GALLON CAPACITY WATER HEATER.

To Start Water Heater

- ☞ Generator must be on.
- ☞ Turn *on* the Wash Down breaker located on the DC panel.
- ☞ Turn *on* the Water Heater breaker located on the AC panel.
- ☞ Allow approximately 1-3 hours for the water to heat fully.

COMMON TROUBLESHOOTING

Problem	Possible Causes	Remedies
No Hot Water	<ul style="list-style-type: none">☞ Generator may not be on☞ AC Main Breaker not on☞ HOT WATER breaker not on☞ WATER PRESSURE breaker not on☞ WASH DOWN breaker not on☞ Forward deck or aft deck wash down shower knobs are open	<ul style="list-style-type: none">☞ Start generator☞ Turn on AC Main☞ Turn on HOT WATER breaker☞ Turn on WATER PRESSURE breaker☞ Turn on WASH DOWN breaker☞ Close all the valves on deck showers

Holding Tanks

YOUR HOUSEBOAT HAS BEEN EQUIPPED WITH A 160 GALLON BLACK WATER TANK AND A 480 GALLON GREY WATER TANK.

Full Service Pumpout

- ☞ Radio into any of the Rental Docks.
- ☞ Give us an estimated time for arrival.
- ☞ We will direct you where to park and will pump out your houseboat for you.

Self Service Pumpout

- ☞ Located in any marina.
- ☞ The silver tank openings are located either on the rear deck under a small hatch or along the outer side walls and are marked WASTE.
- ☞ Unscrew the cap.



- ☞ Screw the correct sized fitting into the pumpout port on your houseboat. (Fittings are available at the dock on the pumps or under the kitchen sink in your houseboat.)



- ☞ Attach the pump-out hose to the fitting.



- ☞ Open valve and follow the direction on the pump.
- ☞ When finished, close the valve *before* removing the hose.
- ☞ Remove the fitting from your houseboat and replace on dock.
- ☞ Place the end of the lake water hose inside the pump out portal.



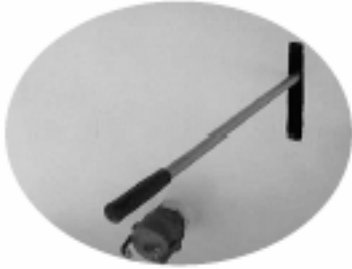
- ☞ Fill the tank with approximately 2 to 3 gallons of water.
- ☞ Empty one packet of provided chemical into the head/toilet inside and flush.
- ☞ Put all the hoses back and replace the cap on the WASTE opening. **DONE!**



Holding Tanks

Remote Station Pumpouts

- ☞ See HELP PRESERVE in your Nautical Notes for locations of Remote Pumpouts.
- ☞ Unscrew WASTE cap.
- ☞ Place end of hose into opening.
- ☞ Work the hand lever to pump.



COMMON TROUBLESHOOTING

Problem	Possible Causes	Remedies
Odor	<ul style="list-style-type: none">☞ Holding tanks are full	<ul style="list-style-type: none">☞ Pumpout at the nearest marina or remote station☞ After pumping out, add a packet of chemical and two gallons of water in the head☞ Leave some water in the bowl to trap any odor

Gas/Oil/Propane

Fuel Shut Off Valves

- ☞ Each engine has a shutoff valve at its respective fuel tank below the rear deck hatch.
- ☞ The generator also draws from each or both tanks.
- ☞ Balancing fuel is accomplished by shutting the fuel valve to the generator on the lowest tank.

Fuel Tanks

- ☞ Your houseboat has a port and starboard fuel tank.
- ☞ Fuel fittings are located on the rear deck in front of engine covers.



Checking Fuel Level

- ☞ Fuel gauge is located on the helm.
- ☞ Power to the helm is required.

COMMON TROUBLESHOOTING

Problem	Possible Causes	Remedies
Propane Smell	☞ The grill is not turned off all the way	☞ Turn off grill and tank unless

Refueling

- ☞ Turn off grill.
- ☞ Turn off all propane tanks 10 minutes prior to refueling.
- ☞ Turn off all electrical breakers.
- ☞ Turn off the generator.
- ☞ Close all doors and windows.

Caution: NEVER siphon gas from your houseboat fuel tanks.

NOTE: Please have Captain and Crew remain on board your houseboat. Wait for Fuel Dock personnel to assist you.

Propane Tank

- ☞ Propane tank is located next to the grill on the front deck. This is the only propane tank on this model.
- ☞ A valve is located on the top of each tank. Turn counterclockwise to open. Turn clockwise to close.

Refrigerator

How to Start

- ☞ Confirm the generator is running.
- ☞ Turn *on* the AC MAIN breaker.
- ☞ Turn *on* the REFRIG breaker on the AC panel.
- ☞ The refrigerator on this model operates on standard 110V electricity just like the one at home.
- ☞ Refer to the instructions located inside the refrigerator/freezer for more details.
- ☞ Recommended settings for the freezer is “C” and the refrigerator is “5”. Some models may differ slightly.

Getting the most out of your Refrigerator

- ☞ Put cold or frozen food into the refrigerator rather than try to cool warm items.
- ☞ Open door only when necessary.
- ☞ Use ice chest for beverages.
- ☞ Don't pack the refrigerator full; leave space for air to circulate freely.
- ☞ Do not overload your refrigerator.
- ☞ Cover foods with strong odors.
- ☞ Cover foods that easily absorb odor.
- ☞ The coldest areas in the refrigerator are at the bottom.
- ☞ Warmest areas are on the upper door shelves.
- ☞ The refrigerator will operate more efficiently if the houseboat is level.

TIP: Refrigerator only works when the generator is running. If you want colder temperatures run the generator more frequently.

NOTE on XL Models only: Refrigerator in the galley will run without the generator on as it operates off the inverter system.

Refrigerator

COMMON TROUBLESHOOTING

Problem	Possible Causes	Remedies
Refrigerator does not Operate	<ul style="list-style-type: none">☞ Is the generator ON?☞ Is the AC MAIN ON?☞ Is the REFRIGERATOR breaker on? ☞ Is the temperature control in the off position?	<ul style="list-style-type: none">☞ Turn the generator on.☞ Turn on the AC MAIN☞ Turn on the REFRIGERATOR breaker☞ Set temperature control to "5"
Motor operates for long periods	<ul style="list-style-type: none">☞ Large amounts of food placed in the refrigerator to be cooled or frozen☞ Hot weather or frequent door openings ☞ Tightly packed top shelf	<ul style="list-style-type: none">☞ The refrigerator will work better if items are cool before you put them in the refrigerator☞ Put beverages and other frequently used items in the cooler☞ Leave air space so cold air can circulate around the food.

Range

To Start the Burners/Oven

- ☞ Confirm that the generator is ON.
- ☞ Turn *on* AC Main breaker.
- ☞ Turn *on* Range breaker.
- ☞ Range is standard household model and operates on 110V electricity from the generator.

To Shut Down

- ☞ Turn all knobs to OFF.
- ☞ Shut *off* the range breaker.

NOTE: You will not be able to operate your Heating/Air Conditioner and the Range at the same time.

COMMON TROUBLESHOOTING

Problem	Possible Causes	Remedies
Stove/Oven does not work	<ul style="list-style-type: none">☞ Generator is not on☞ AC Main is not on☞ Range breaker is not on☞ Generator is overloaded	<ul style="list-style-type: none">☞ Start generator☞ Turn on the AC Main☞ Turn on the Range breaker☞ Turn off high load appliances such as air conditioner/heater, hot water, or microwave.

Grill

To Light

- ☞ Confirm that propane is on.
- ☞ Open lid of grill.
- ☞ Visually check to be certain where you will light the grill.
- ☞ Turn knob to HIGH to allow propane to flow into the tube.
- ☞ Use the *igniter* to light the grill.
- ☞ Adjust flame to desired setting.

Caution: NEVER stand over the grill when lighting.

To Shut Down

- ☞ After cooking, turn setting to HIGH for a few minutes to burn any excess food or grease from the grate.
- ☞ Turn knob clockwise to shut off.
- ☞ Close lid.
- ☞ DO NOT remove lava rocks.
- ☞ **NEVER** put wood into the grill. Doing so could cause severe damage or injury.



Note on XL models only: A second Gas Grill is also located on the top deck next to the wet bar.

COMMON TROUBLESHOOTING

Problem	Possible Causes	Remedies
Grill won't light	<ul style="list-style-type: none">☞ Propane is off☞ Propane is empty	<ul style="list-style-type: none">☞ Turn on propane☞ Be sure propane is full

Heater

On/Off

- ☞ Generator must be running.
- ☞ Turn *on* AIR HANDLER breaker.
- ☞ Turn *on* AIR CONDITIONER breaker.
- ☞ The thermostat is located on the main salon wall.
- ☞ Directions specific to the model on your houseboat are on the thermostat.
- ☞ The fan may run 10-20 minutes before you feel heat coming out of the vents.
- ☞ NEVER adjust temperature more than 20° more than the current temperature inside the cabin.
- ☞ Some models will have a Temp Hold button. You will have to press this to cancel Temp Hold before adjusting the temperature.

- ☞ Take care to not cover the air intakes, located either in the floor or the wall.

Shut Down

- ☞ Turn *off* your thermostat approximately 15 minutes prior to turning off the generator.
- ☞ Turn *off* the AIR HANDLER breaker.
- ☞ Turn *off* the AIR CONDITIONER breaker.



Intakes

COMMON TROUBLESHOOTING

Problem	Possible Causes	Remedies
Heater won't work	<ul style="list-style-type: none"> ☞ Is the generator on? ☞ Is the AC Main on? ☞ Are the AIR CONDITIONER/ AIR HANDLER breakers on? 	<ul style="list-style-type: none"> ☞ Start the generator ☞ Turn on AC Main ☞ Turn on AIR CONDITIONER/ AIR HANDLER breakers

Cooling

On/Off

- ☞ Generator must be running.
- ☞ Turn *on* AIR HANDLER breaker.
- ☞ Turn *on* AIR CONDITIONER breaker. The thermostat is located on the main salon wall.
- ☞ Directions specific to the model on your houseboat are on the thermostat.
- ☞ The fan may run 10-20 minutes before you feel cool air coming out of the vents.
- ☞ NEVER adjust temperature more than 20° less than the current temperature inside the cabin.

- ☞ Some models will have a Temp Hold button. You will have to press this to cancel Temp Hold before adjusting the temperature.

Shut Down

- ☞ Turn *off* your thermostat approximately 15 minutes prior to turning off the generator.
- ☞ Turn *off* the AIR HANDLER breaker.
- ☞ Turn *off* the AIR CONDITIONER breaker.

COMMON TROUBLESHOOTING

Problem	Possible Causes	Remedies
Cooler won't operate	<ul style="list-style-type: none"> ☞ Is the generator on? ☞ Is the AC Main on? ☞ Are the AIR CONDITIONER/ AIR HANDLER breakers on? 	<ul style="list-style-type: none"> ☞ Start the generator ☞ Turn on the AC Main ☞ Turn on AIR CONDITIONER/ AIR HANDLER breakers
No cold air	<ul style="list-style-type: none"> ☞ Air intake covered 	<ul style="list-style-type: none"> ☞ Remove obstruction on air intake located on floor of salon near couch on some models

Accessories

Microwave

- ☞ Generator must be running.
- ☞ Turn *on* AC MAIN.
- ☞ Turn *on* MICROWAVE breaker on the AC panel.
- ☞ Use microwave as you would at home.

Coffee Maker

- ☞ Generator must be running.
- ☞ Turn *on* AC MAIN.
- ☞ Turn *on* GALLEY OUTLETS breaker on the AC panel.
- ☞ Use the coffee maker as you would at home.

Blender, Toaster and Can Opener

- ☞ Generator must be running.
- ☞ Turn *on* AC MAIN.
- ☞ Turn *on* GALLEY OUTLETS breaker on the AC panel.
- ☞ Use these appliances as you would at home.

Stereo

- ☞ Turn on RADIO/STEREO Breaker on the 12 Volt DC panel
- ☞ Push Power Button on the stereo
- ☞ Don't forget to turn it off when not in use so the battery isn't drained.
- ☞ The radio stations on the lake are limited and varied by location.

Speakers

Switches are located near the stereo for:

- ☞ Front Deck
- ☞ Salon Area
- ☞ Aft Stateroom
- ☞ Rear Deck
- ☞ Upper Deck

Television/VCR/DVD

- ☞ Generator must be running.

- ☞ Turn *on* the TELEVISION breaker on the AC panel.
- ☞ Use the VCR as you would at home – most units are set to operate on Channel 3.
- ☞ There is no TV reception on the lake.

NOTE for XL Models only: Television will run off the inverter and does not require the generator to be on.

GPS/SONAR (XL Models Only)

- ☞ Turn on RADIO/STEREO Breaker on the 12 Volt DC panel
- ☞ Press POWER button on the GPS/SONAR



Deep Freezer (XL Models Only)

- ☞ Turn on FREEZER Breaker on the AC panel
- ☞ Use the freezer as you would at home.



Accessories

Auxiliary Fuel Tank (XL Models Only)



- ☞ Remove the fuel nozzle from the storage box on the swim deck.



- ☞ Flip up the FUEL PUMP switch located inside the storage box.
- ☞ Open valve located on top of the fuel tank near the gas gauge.

NOTE: Emergency Shut Off switch is located to the right of the rear slider and must be pulled out for the fuel pump to work. Pump will not operate if the switch is pressed in.



Man Lift

THE MAN LIFT BOOM, LOCATED ON THE REAR DECK, IS DESIGNED TO LIFT A PERSON IN AND OUT OF THE WATER.

This lift is only available on ADA Accessible models.

- ☞ The control box and seat sling must be obtained from a dock supervisor before your trip.
- ☞ Plug the control box into the plug located on the boom arm.
- ☞ Attach the sling to the cable at the end of the boom arm.
- ☞ Move the boom manually into position.
- ☞ Press the UP or DOWN switch on the control to lift or lower the sling.

CAUTION: NEVER lift anything other than a person with the man lift. Damage or severe injury could result.

