BAJLINER® 305

Owner's Manual Supplement

Engine Serial Numbers

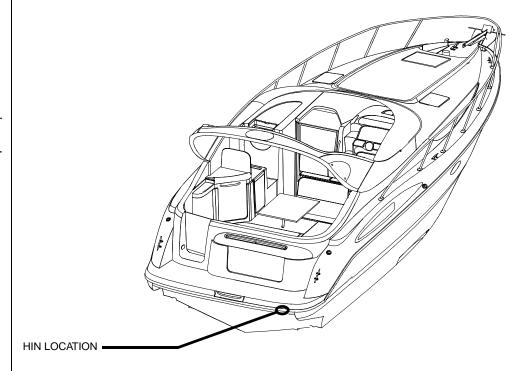
Port: _____

Starboard: _____

Hull Identification Number:_____

Hull Identification Number

- The Hull Identification Number (HIN) is located on the starboard side of the transom.
- Record the HIN (and the engine serial numbers) in the space provided above.
- Include the HIN with any correspondence or orders.



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All Bayliner products meet or exceed USCG (Unites States Coast Guard) and/or NMMA (National Marine Manufacturer's Association) construction standards. Manufactured with 1,1,1 Trichloroethane, a substance which harms public health and environment during the manufacturing process by destroying ozone in the upper atmosphere.

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Hazard Boxes & Symbols

The hazard boxes and symbols shown below are used throughout this Supplement to call attention to potentially dangerous situations which could lead to either personal injury or product damage. **Read** *ALL* **warnings carefully and follow** *ALL* **safety instructions.**

DANGER!

This box alerts you to immediate hazards which *WILL* cause severe personal injury or death if the warning is ignored.

Ŷ

WARNING!

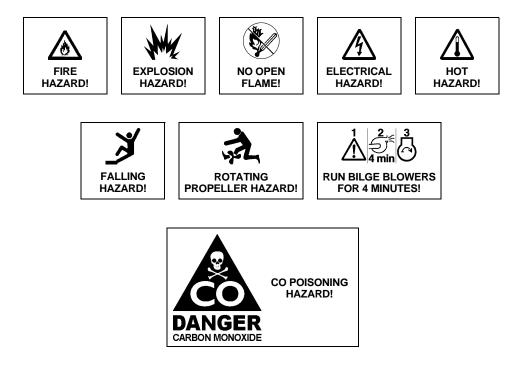
This box alerts you to hazards or unsafe practices which *COULD* result in severe personal injury or death if the warning is ignored.

CAUTION!

This box alerts you to hazards or unsafe practices which *COULD* result in minor personal injury or cause product or property damage if the warning is ignored.

NOTICE

This box calls attention to installation, operation or maintenance information, which is important to proper operation but is *not* hazard related.



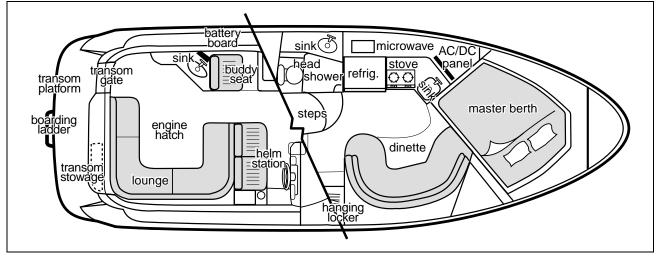
Chapter 1: Welcome Aboard!

This Owner's Manual Supplement provides specific information about your boat that is not covered in the Cruiser & Yacht Owner's Manual. Please study the Cruiser & Yacht Owner's Manual and this Supplement carefully. Keep the Cruiser & Yacht Owner's Manual and this Supplement on your boat in a secure, yet readily available place.

Dimensions and Tank Capacities

Overall Length	Bridge Clearance	Beam	Draft (Drive Up)	Draft(Drive Down)	Fuel Capacity (gal.)	Freshwater Capacity (gal.)	Waste Holding Tank Capacity (gal.)
31' 6"	9' 7"	11'	1' 9"	2' 9"	148	35	30

Layout View



Dealer Service

- Ask your dealer to explain *all* systems *before* taking delivery of your boat.
- Your dealer is your key to service.
- Contact your dealer if you have any problems with your new boat.
- If your dealer cannot help, call our customer service hotline: 360-435-8957 or send us a FAX: 360-403-4235.
- Buy replacement parts from any authorized Bayliner dealer.

About Your Limited Warranty

- Bayliner offers a Limited Warranty on each new Bayliner purchased through an authorized Bayliner dealer.
- A copy of the Limited Warranty was included in your owner's packet.
- If your dealer cannot help, call our customer service hotline: 360-435-8957 or send us a FAX: 360-403-4235.

Boating Experience

🛕 WARNING!

CONTROL HAZARD!

A qualified operator *must* be in control of the boat at *all* times. *DO NOT* operate your boat while under the influence of alcohol or drugs.

If this is your first boat or if you are changing to a type of boat you are *not* familiar with, for your own comfort and safety, obtain handling and operating experience before assuming command of the boat.

Take one of the boating safety classes offered by the U.S. Power Squadrons or the U.S. Coast Guard Auxiliary. For more course information, including dates and locations of upcoming classes, contact the organizations directly:

- U.S. Power Squadrons: 1-888-FOR-USPS (1-888-367-8777) or on the Internet at: http://www.usps.org
- U.S. Coast Guard Auxiliary: 1-800-368-5647 or on the Internet at: http://www.cgaux.org

Outside the United States, your selling dealer, national sailing federation or local boat club can advise you of local sea schools or competent instructors.

Engine & Accessories Guidelines

NOTICE

When storing your boat please refer to your engine's operation and maintenance manuals.

- Your boat's engines and accessories were selected to provide optimum performance and service.
- Installing different engines or other accessories may cause unwanted handling characteristics.
- Should you choose to install different engines or to add accessories that *will* affect the boat's running trim, have an experienced marine technician perform a safety inspection and handling test before operating your boat again.

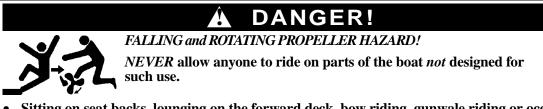
Certain modifications to your boat can result in cancellation of your warranty protection. *Always* check with your dealer *before* making any modifications to your boat.

Engine & Accessories Literature

- The engines and accessories installed on your boat come with their own operation and maintenance manuals.
- Read and understand these manuals *before* using the engines and accessories.
- Unless noted otherwise, *all* engine and accessory literature referred to in this *Supplement* is included in your owner's packet.



Safety Standards



• Sitting on seat backs, lounging on the forward deck, bow riding, gunwale riding or occupying the transom platform while underway is especially hazardous and will cause personal injury or death.



ROTATING PROPELLER and CARBON MONOXIDE POISONING HAZARD!

- *NEVER* allow anyone to occupy, or hang from, the back deck or swim platform while the engine(s) are running.
- Teak surfing, dragging, or water skiing within 20 feet of a moving watercraft can be fatal.

DANGER!

PERSONAL SAFETY HAZARD!

CARBON MONOXIDE

ALWAYS secure the anchor and other loose objects *before* getting underway. The anchor and other items that are *not* properly secured can come loose when the boat is moving and cause personal injury or death.

- Your boat's mechanical and electrical systems were designed to meet safety standards in effect at the time it was built.
- Some of these standards were mandated by law, *all* of them were designed to insure your safety, and the safety of other people, vessels and property.

In addition to this *Owner's Manual Supplement*, please read the *Cruiser & Yacht Owner's Manual* and *all* accessory instructions for important safety standards and hazard information.

Qualified Maintenance

🚹 WARNING!

To maintain the integrity and safety of your boat, allow only qualified personnel to perform maintenance on, or in any way modify: The steering system, propulsion system, engine control system, fuel system, environmental control system, electrical system or navigational system.

- Failure to maintain your boat's systems (listed in the warning above) as designed could violate the laws in your jurisdiction and could expose you and other people to the danger of bodily injury or accidental death.
- Follow the instructions provided in the *Cruiser & Yacht Owner's Manual*, this *Owner's Manual Supplement*, the engine owner's manual and *all* accessory instruction sheets and manuals.

Special Care For Moored Boats

NOTICE

- To help seal the hull bottom and reduce the possibility of gelcoat blistering on moored boats, apply an epoxy barrier coating. The barrier coating should be covered with several coats of anti-fouling paint.
- Many states regulate the chemical content of bottom paints in order to meet environmental standards. Check with your local dealer about recommended bottom paints, and about the laws in effect in your area.
- Whether moored in saltwater or freshwater, your boat *will* collect marine growth on its hull bottom.
- This will detract from the boat's beauty, greatly affect its performance and may damage the gelcoat.
- Periodically haul the boat out of the water and scrub the hull bottom with a bristle brush and a solution of soap and water.

Sacrificial Anodes (Zincs)

NOTICE

Do not paint between the zinc and the metal surface it contacts and do not paint over the zincs.

Your boat is equipped with sacrificial anodes (zincs) to protect underwater metal parts from excessive deterioration. Check the zincs regularly and replace them if they have deteriorated more than 70%.

There are many factors that affect the rate at which the zincs deteriorate, including:

- Water temperature
- Salinity
- Water pollution

Stray electrical current from the boat or dock may cause complete deterioration in just a few weeks. If there is rapid zinc deterioration, measure the electrolytic corrosion around your boat with a Corrosion Test Meter. If the zincs are *not* bonded correctly, they will *not* provide protection.



Carbon Monoxide (CO)

	A DANGER!
	• Carbon monoxide gas (CO) is colorless, odorless, tasteless, and extremely dangerous.
	• <i>All</i> engines, generators, and fuel burning appliances produce CO as exhaust.
DANGER	• Prolonged exposure to low concentrations or very quick exposure to high concentrations will cause BRAIN DAMAGE or DEATH.
CARBON MONOXIDE	

Facts about CO

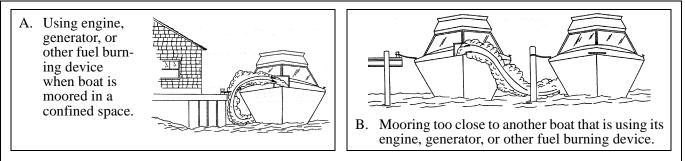
- CO poisoning causes a significant number of boating deaths each year.
- Called the "silent killer", CO is an extremely toxic, colorless, odorless and tasteless gas.
- CO can harm or even kill you inside or outside your boat.
- CO can affect you whether you're underway, moored, or anchored.
- CO symptoms are similar to seasickness or alcohol intoxication.
- CO can make you sick in seconds. In high enough concentrations, even a few breaths can be fatal.
- Breathing CO blocks the ability of your blood to carry oxygen.
- The effects are cumulative, even low levels of exposure can result in injury or death.

Factors That Increase the Effects of CO Poisoning

- Age
- Smokers or people exposed to high concentrations of cigarette smoke
- Consumption of alcohol
- Lung disorders
- Heart problems
- Pregnancy

Where and How CO Can Accumulate

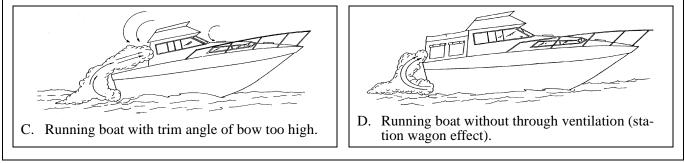
Stationary Conditions That Increase CO Accumulations Include:



To correct stationary situations A and/or B:

- Close all windows, portlights and hatches.
- If possible, move your boat away from source of CO.

Running Conditions That Increase CO Accumulations Include:



To correct running situations C and/or D:

- Trim bow down.
- *Open* windows and canvas.
- When possible, run boat so that prevailing winds help dissipate exhaust.

How to Protect Yourself and Others From CO

- Know where and how CO may accumulate in and around your boat (see above).
- Maintain fresh air circulation throughout the boat at *all* times.
- Know where your engine and generator exhaust outlets are located and keep everyone away from these areas.
- *Never* sit on, or hang onto, the back deck or swim platform while the engine(s) are running.
- *Never* enter the areas under swim platforms where exhaust outlets are located.
- Although CO can be present without the smell of exhaust fumes, if exhaust fumes are detected on the boat, take immediate action to dissipate these fumes.
- Treat symptoms of seasickness as possible CO poisoning. Get the person into fresh air immediately. Seek medical attention—unless you're sure it's *not* CO.
- Install and maintain CO alarms inside your boat. *Do not* ignore any alarm. Replace alarms as recommended by the alarm manufacturer.
- Follow the checklists provided on the next page.
- Get a Vessel Safety Check.

For information on how to get a free VESSEL SAFETY CHECK, visit www.vesselsafetycheck.org or contact your local U.S. Coast Guard Auxiliary or United States Power Squadrons®.

- U.S. Coast Guard Auxiliary: 1-800-368-5647 or on the Internet at: http://www.cgaux.org
- U.S. Power Squadrons: 1-888-FOR-USPS (1-888-367-8777) or on the Internet at: http://www.usps.org



Trip Checklist

- □ Make sure you know where the exhaust outlets are located on your boat.
- Educate *all* passengers about the symptoms of CO poisoning and where CO may accumulate.
- U When docked, or rafted with another boat, be aware of exhaust emissions from the other boat.
- Confirm that water flows from the exhaust outlet when the engines and generator are started.
- Listen for any change in exhaust sound, which could indicate an exhaust component failure.
- □ Test the operation of each CO alarm by pressing the test button.

Monthly Checklist

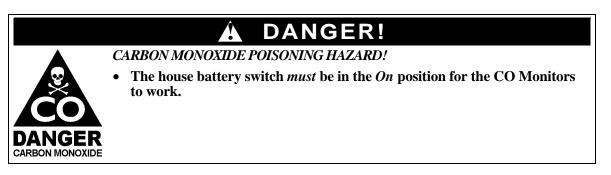
- □ Make sure *all* exhaust clamps are in place and secure.
- □ Look for exhaust leaking from exhaust system components. Signs include rust and/or black streaking, water leaks, or corroded or cracked fittings.
- □ Inspect rubber exhaust hoses for burned, cracked, or deteriorated sections. *All* rubber hoses should be pliable and free of kinks.

Annual Checklist

Have a Qualified Marine Technician:

- **D** Replace exhaust hoses if cracking, charring, or deterioration is found.
- **□** Ensure that your engines and generators are properly tuned, and well maintained.
- □ Inspect each water pump impeller and the water pump housing. Replace if worn. Make sure cooling systems are in working condition.
- □ Inspect *all* metallic exhaust components for cracking, rusting, leaking, or loosening. Make sure they check the cylinder head gasket, exhaust manifold, water injection elbow, and the threaded adapter nipple between the manifold and the elbow.
- Clean, inspect, and confirm proper operation of the generator cooling water anti-siphon valve (if equipped).

Carbon Monoxide Alarm System



NOTICE

The stereo memory and CO monitor(s) place a small, but constant drain on the battery. If your boat will be unattended for an extended amount of time, plug into shore power with the battery charger turned *On*, or disconnect the battery if shore power is *not* an option.

- Do not disconnect the alarm system.
- Read and understand the manufacturer's instructions for your CO alarm system. If you did *not* receive an instruction manual, call (800) 383-0269 and one will be mailed to you.

If your boat is *not* equipped with a carbon monoxide alarm, consider purchasing one from your dealer or marine supply store.

More Information

For more information about how you can prevent carbon monoxide poisoning on recreational boats and other ways to boat more safely, contact:

United States Coast Guard	National Marine Manufacturers Association (NMMA)	American Boat & Yacht Council, Inc. (ABYC)	
Office of Boating Safety (G-OPB-3) 2100 Second Street SW	200 East Randolph Drive	3069 Solomon's Island Road	
Washington, DC 20593	Suite 5100	Edgewater, MD 21037-1416	
www.uscgboating.org	Chicago, IL 60601-9301	www.abycinc.org	
1-800-368-5647	www.nmma.org	410-956-1050	
	312-946-6200		

For information on how to get a free VESSEL SAFETY CHECK, visit www.vesselsafetycheck.org or contact your local U.S. Coast Guard Auxiliary or United States Power Squadrons®.

- U.S. Coast Guard Auxiliary: 1-800-368-5647 or on the Internet at: http://www.cgaux.org
- U.S. Power Squadrons: 1-888-FOR-USPS (1-888-367-8777) or on the Internet at: http://www.usps.org

Boat Lifting

🔥 WARNING!

PERSONAL INJURY and /or PRODUCT or PROPERTY DAMAGE HAZARD!

• Lift slings may slip on the hull. Avoid serious injury or death by securing the slings together *before* lifting.

WARNING!

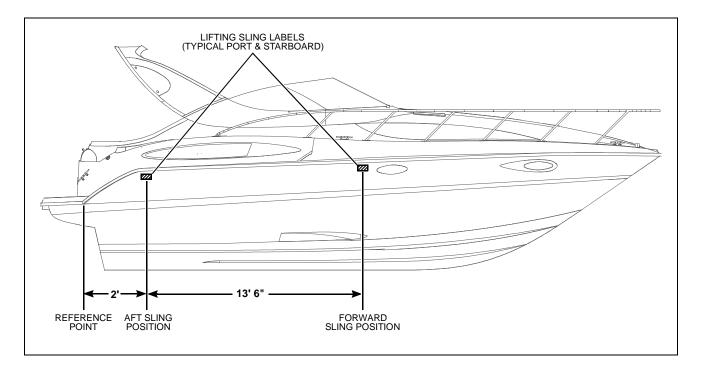
PERSONAL INJURY and /or PRODUCT or PROPERTY DAMAGE HAZARD!

• NEVER Lift the boat using the bow and stern eyes.

CAUTION!

PRODUCT or PROPERTY DAMAGE HAZARD!

• When lifting any boat, *always* use a spreader bar. The spreader bar *must* be equal to the width of the boat at the lifting point.

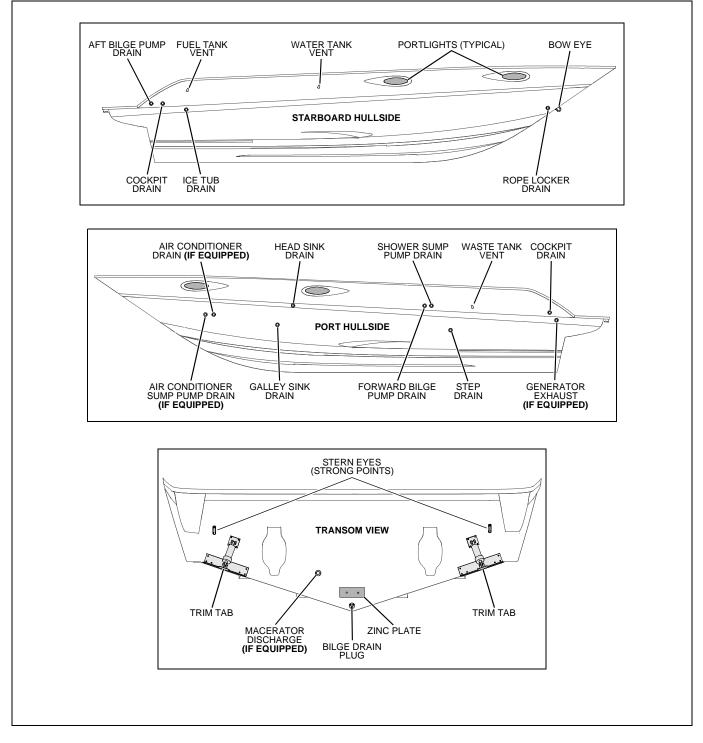


- Always follow the lift equipment's instructions and requirements.
- If water is present in the bilge, pump or drain the water out of the bilge areas *before* lifting your boat. Water in the bilge can shift and change the balance of the load.
- When lifting your boat, *always* position the lifting slings at the port and starboard sling label positions as shown in the illustration above.

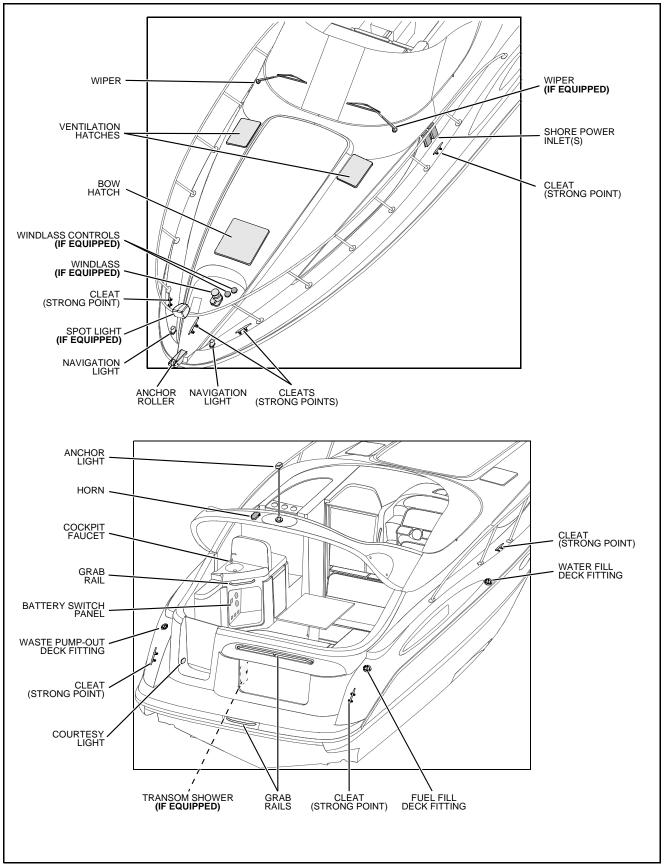
Chapter 2: Locations

Exterior Views

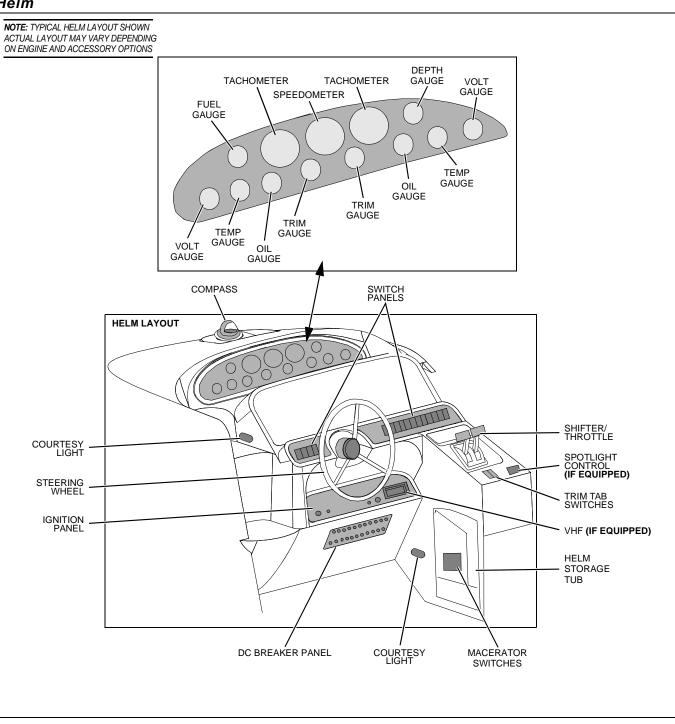
Hull views



Deck Views



Helm



Component Locations

12 Volt Accessory Outlet: At the helm in the storage tub. Air Conditioner Seawater Pickup Seacock: In the engine compartment on the port side. Air Conditioner Unit: Under the V-Berth bunk. Batteries: On the port forward side of the engine compartment. Battery Charger: In the aft berth utility compartment on the aft wall. Battery Switch: In the cabinet under the cockpit sink. Bilge pump - Aft: In the engine compartment. Bilge pump - Forward: Under the entry steps. Carbon Monoxide Detector: In the salon on the aft starboard wall. **DC Circuit Breakers:** At the helm under the dash panel. Depth Sounder Transducer: In the engine compartment. Engine Circuit Breakers: On the engine. Fuel Fill: On the starboard side of the swim platform. Fuel Tank: In the engine compartment at the front. Generator Control Panel: In the galley on the AC panel. Generator Seawater Pickup Seacock: In the engine compartment on the port side. Generator Circuit Breaker: On the generator. Macerator Underwater Discharge Seacock: In the engine compartment centered on the transom. Marine Head Seawater Pickup Seacock: In the engine compartment on the port forward side. Navigation lights: Red and green lights at the bow. White all-around light on the radar wing (if equipped). Transom Shower: Inside the transom storage compartment. Waste Holding Tank: In the engine compartment. Water Fill: On the starboard side of the deck at mid ship. Water Heater: In the aft berth utility compartment Water Pump: In the aft berth utility compartment Water Pump Switch: On the galley cabinet forward of microwave. Water Tank: Under the salon/galley floor. The access for the tank fittings is under the entry steps. Windlass Circuit Breakers: In the cabinet under the cockpit sink. Windlass Circuit Foot Controls: At the bow next to windlass.

Chapter 3: Propulsion & Related Systems

Engine

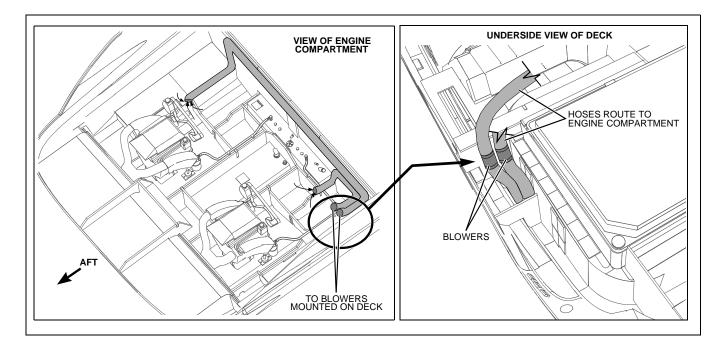
The owner's packet contains detailed engine operation and maintenance manuals. Be sure to read and understand these manuals *before* starting or doing any maintenance on the engine.

Engine Room Ventilation System

- SIA M FIRE/EXPLOSION HAZARD
- Use of the blower system is *NOT A GUARANTEE* that explosive fumes have been removed.

WARNING!

- If you smell fuel, *DO NOT* start the engine or generator and *DO NOT* turn *On* any electrical devices.
- If you smell fuel and the engine and/or generator is already running, *SHUT OFF* the engine and/or generator and *TURN OFF* all electrical devices. Investigate immediately.
- *DO NOT* obstruct or modify the ventilation system.



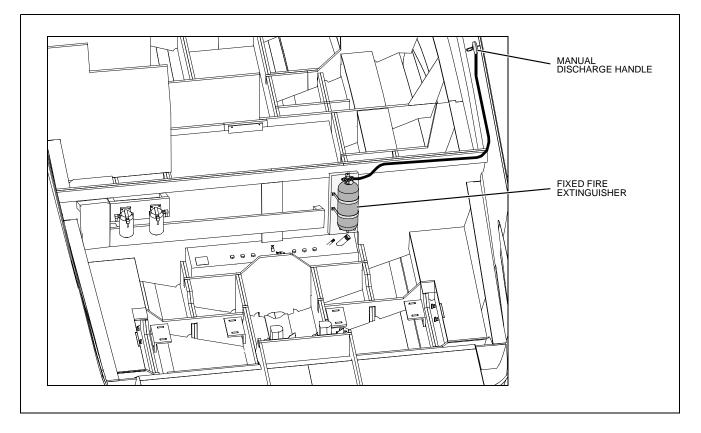
- The bilge blowers remove explosive fuel fumes from the engine compartment.
- Fresh air is drawn into the compartment through the deck vents.
- The bilge blower switch is at the helm.
- If the boat is equipped with a generator, there is a second bilge blower switch on the main AC panel.

To make sure the engine compartment is ventilated with fresh air, run the bilge blower:

- For at least four minutes *before* starting the engine.
- During starting.
- Anytime your boat is running below cruising speed.



Fire Suppression System (If Equipped)



- The fire suppression system is designed to extinguish a fire in the engine compartment.
- *Before* using your boat for the first time, read and understand the fire suppression system's instruction and maintenance manual and follow *all* warnings.

Observe the following:

- The system will go off automatically whenever direct heat from a fire is detected in the engine compartment.
- The system can be set off manually by pulling the T-handle (labeled "FIRE") at the helm.
- The system can only be set off once during a fire. After the system is discharged it *must* be refilled and refurbished before it can be used again.

Fuel System

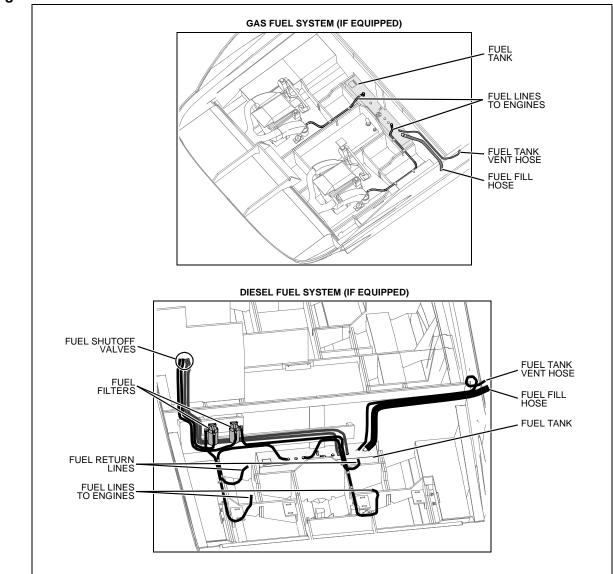
WARNING!

FIRE/EXPLOSION HAZARD!

- It is very important that the fuel system be inspected thoroughly the first time it is filled and at each subsequent filling.
- For your safety and the safety of your passengers, the fueling instructions in the *Cruiser & Yacht Owner's Manual must* be carefully followed.

Avoid the storage or handling of gear near the fuel lines, fittings and tank.

Diagrams



Fuel Fill and Vent

- The fuel fill fitting is marked "GAS" or "DIESEL".
- The fuel tank vent is located below the fuel fill.
- If you experience difficulty filling the fuel tank, check to see if the fuel fill hose or vent hose is kinked or collapsed. If there are no visible signs of a problem, contact your local dealer.

Fuel Filters

- The fuel pickup tube (located inside the fuel tank) is equipped with a fine mesh screen filter.
- In addition, when supplied by the engine manufacturer, a fuel filter is installed on the engine.
- Periodically replace the fuel filters to make sure they remain clean and free of debris.
- Consult with your selling dealer or local marina concerning fuel additives that help to prevent fungus or other buildup in your fuel tank.

Anti-siphon Valve

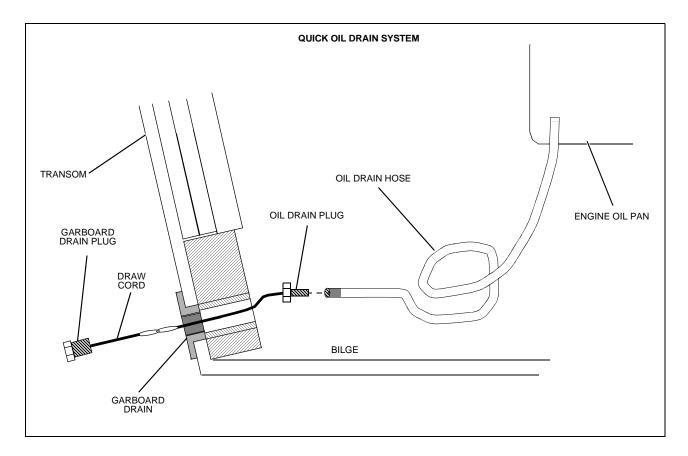
NOTICE

• If an engine running problem is diagnosed as fuel starvation, check the anti-siphon valve. If the valve is stuck or clogged, change or replace it while the engine is shut down.

• NEVER run the engine with the anti-siphon valve removed, except in an emergency.

- Your boat is equipped with an anti-siphon valve, which is an integral part of fuel system.
- The valve is located at the point where the fuel feed line attaches to the fuel tank.
- The valve is spring loaded and is opened by fuel pump vacuum.
- This valve *will* prevent fuel from siphoning from the tank in the event of a fuel line rupture.

Quick Oil Drain System



To drain the engine oil:

- 1. Remove the boat from the water.
- 2. Unscrew the garboard drain plug.
- 3. Pull the draw cord until the oil drain plug and the oil drain hose slide out of the garboard drain.
- 4. Place the end of the oil drain hose into a suitable container.
- 5. Unscrew the oil drain plug and drain the engine oil.
- 6. Replace the oil drain plug.
- 7. Push the drain hose back into the bilge.
- 8. Replace the garboard drain plug.

Always dispose of waste oil in accordance with local regulations.

Chapter 4: Controls

Steering

- This boat features a power assisted rack-and-pinion steering system.
- Check the fluid level in the power steering reservoir every time you use your boat.
- Boat steering is *not* self-centering.

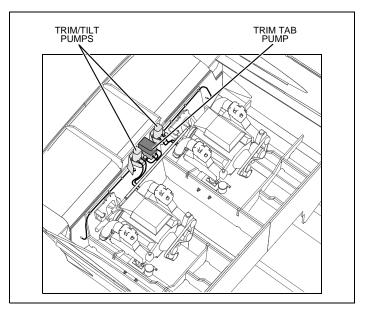
Shift/Throttle



- Carefully read and understand *all* of the information about the shift/throttle in the *Cruiser & Yacht Owner's Manual.*
- Also, read and understand the shifter/throttle and engine manuals included in your owner's packet.

Power Trim and Tilt

- The stern drive on your boat is equipped with power trim and tilt.
- Trim and tilt instructions are provided in the engine operation manual and the shifter/throttle manual, included in your owner's packet.



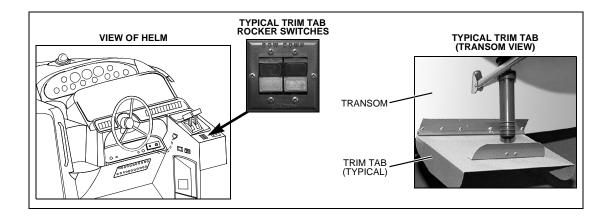
Trim Tabs

🚹 WARNING!

LOSS OF CONTROL HAZARD!

Improper use of trim tabs will cause loss of control!

- DO NOT allow anyone unfamiliar with trim tabs to use them.
- *DO NOT* use trim tabs in a following sea as they *will* cause broaching or other unsafe handling characteristics.
- DO NOT use trim tabs to compensate for excessive unequal weight distribution.



- The trim tabs may be used to help keep your boat level at cruising speeds.
- The trim tabs are controlled by two rocker switches at the helm.
- *Before* using the trim tabs read and understand the trim tab operation manual included in your boat's owner's packet.

Observe the following:

- Once cruising speed is reached, the port or starboard trim switch may be used (one at a time) to level the boat.
- Perform trim tab adjustment with several short touches to the switch rather than one long one.
- After each short touch allow several seconds for the hull to react.
- The trim tab hydraulic fluid reservoir is located in the engine compartment. The fluid level *must* be checked periodically (at least once a year) and refilled as necessary.



Chapter 5: Navigation & Communications Equipment

The owner's packet contains manuals for all navigation & communication equipment installed on your boat. Thoroughly read and understand these manuals *before* using these systems for the first time and observe the following:

VHF Radio (If Equipped)

Your boat may include a VHF (Very High Frequency) radio. The VHF radio can be used to access weather reports, summon assistance or contact other vessels as permitted by the FCC (Federal Communications Commission). Contact the FCC for licensing, rules and regulations concerning VHF radio usage.

Compass

NOTICE

- Compass accuracy can be affected by many factors.
- Have a qualified technician calibrate your compass. Make sure the technician gives you a deviation card which shows the corrections to apply in navigational calculations.
- Keep a copy of the deviation card at each helm.

Depth Finder

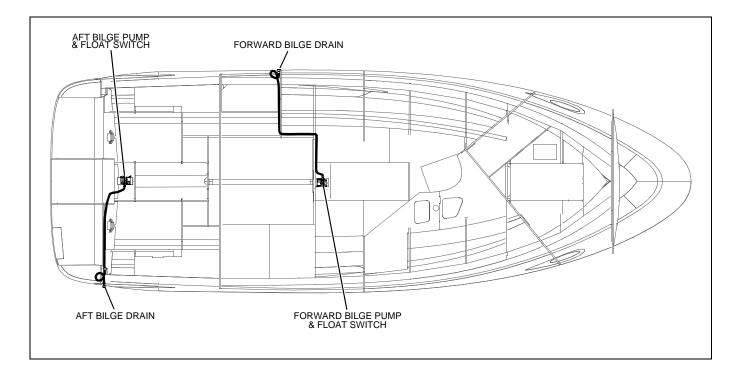
WARNING!

- *DO NOT* use the depth finder as a navigational aid to prevent collision, grounding, boat damage or personal injury.
- When the boat is moving, submerged objects will *not* be seen until they are already under the boat.
- Bottom depths may change too quickly to allow time for the boat to react.
- If you suspect shallow water or submerged objects, run the boat at very slow speeds.

Chapter 6: Plumbing

Bilge Pumps

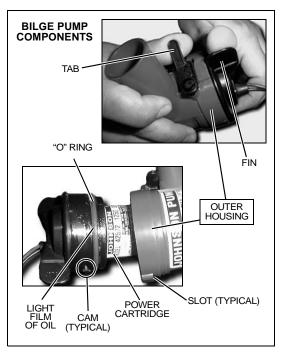
NOTICE Discharge of oil, oil waste or fuel into navigable waters is prohibited by law. Violators are subject to legal action by the local authorities.



- Your boat is equipped with two automatic impeller-type bilge pumps which are used to pump water out of the bilge.
- The bilge pumps are controlled by automatic bilge pump float switches (autofloat switches) and/or switches at the helm.
- The bilge pumps are wired directly to the battery so they will normally function even when the boat is completely shut down and left unattended.

Bilge Pump Testing

- Bilge pumps are critical to the safety of your boat.
- Check the bilge pumps often to make sure they are working.
- Individually test each pump as follows:
- 1. Turn **On** bilge pump switch at helm.
- 2. Make sure water in bilge is pumped overboard.
- If there is water in the bilge and the pump motor is running but *not* pumping inspect the discharge hose for a kink or collapsed area.
- If no problems are found, check the bilge pump housing for clogging debris as follows:
- 1. Remove power cartridge:
 - a. Lift tab while rotating fins counter-clockwise.
 - b. Lift out power cartridge.
 - c. Clear outer housing of debris.
- 2. Reinstall power cartridge:
 - a. Make sure "O" ring is properly seated.
 - b. Coat "O" ring with a light film of vegetable or mineral oil.
 - c. Align two cams on either side of power cartridge with two slots on outer housing and press power cartridge into housing while twisting clockwise.
- 3. Check reinstallation by trying to twist fins counter-clockwise without lifting tab; cartridge should stay in place.



Autofloat Switches

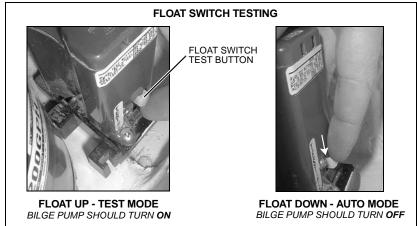
- Automatic bilge pumps use electromagnetic float (autofloat) switches to turn *On* the pump whenever water rises above a preset level in the bilge.
- One autofloat switch is mounted next to each automatic bilge pump.
- Autofloat switches are wired directly to the battery and will normally function even when the boat is completely shut down and left unattended.

Test the autofloat switches often as follows:

1. Push float switch test button *up* to turn *On* bilge pump.

If the pump does *not* turn *On*, check the inline fuse. If the fuse is good but the switch doesn't work, it may indicate a bad switch or possibly a low battery.

2. Push test button all the way *down* to return the float switch to auto mode.



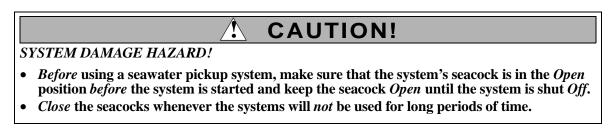
CAUTION!

When test is completed on each float switch, you *MUST* push the test button ALL THE WAY DOWN to the auto position to return the switch to auto mode!



Seawater Systems

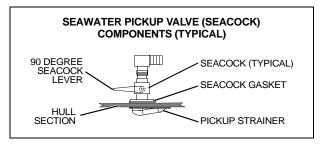
Seacocks



A seacock is a valve, controlled by a 90° lever, used to manage the pickup of seawater through the hull and below the water line. Seacocks are typically used on your boat in the following seawater pickup systems:

- Generator (if equipped)
- Marine head (toilet)
- Air conditioning system (if equipped)

Before using any of these systems, make sure that the system's seacock is **Open** and remains **Open** until the system is shut **Off**.



Seawater Strainers

- Seawater strainers are used in water pickup systems to filter incoming seawater.
- A seawater strainer is located near each system's seacock.
- Check the strainers for leaks and/or debris every time you use your boat.
- If debris is found, clean the seawater strainer as follows:

CAUTION!

FLOODING HAZARD!

- The seacock that sends seawater to the strainer must be *CLOSED* before disassembling the seawater strainer to prevent the boat from taking on water through the seawater strainer assembly.
- Keep the seacock *CLOSED* until the seawater strainer is completely reassembled.

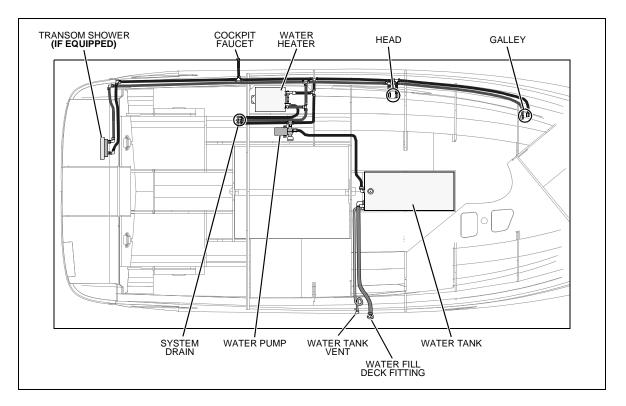
SYSTEM DAMAGE HAZARD!

- After reassembling the seawater strainer, make sure that the seacock valve is *OPEN before* using the component/system.
- 1. Make sure the component/system (generator, air conditioning system, etc.) that the strainer is connected to is turned *Off*.
- 2. *Close* the seacock that sends seawater to the strainer you are about to clean. The seacock *must* remain *Closed* until the strainer is completely reassembled.
- 3. Take apart the seawater strainer.
- 4. Remove the debris.
- 5. Flush the strainer with water.
- 6. Reassemble the seawater strainer.
- 7. *Open* the seacock and check for leaks around the strainer. If no leaks are found, you may use the component or system.



Freshwater System

- 🔥 WARNING!
- Only use safe drinking (potable) water in your boat's freshwater system.
- Only use a sanitary drinking water hose to fill the water tank or connect to city water.
- Never use a common garden hose for drinking water.



- Read the Freshwater System section in the Cruiser & Yacht Owner's Manual.
- Your boat is equipped with a pressure type (demand) freshwater (potable) system.
- This system can be pressurized by turning *On* the water pump.
- See the *Component Location* section of this *Supplement* for the location of the water pump switch.
- Since the water pump requires DC power, the battery switch *must* be in the "1", "2" or "BOTH" position for the pump to work.

Observe the following about the freshwater system:

- Turn *Off* the water pump when the boat is *not* in use or the water tank is empty.
- Inspect and clean the water filter often (located on the water pump).
- When your boat is to be left unattended for long periods of time, pump the water tank dry to prevent stored water from becoming stagnant and distasteful.
- If the freshwater system needs to be disinfected, ask your dealer about treatments available for your boat's system.

Freshwater System Winterization

CAUTION!

WATER SYSTEM DAMAGE HAZARD!

Never blow compressed air through the water system when *all* of the faucets are *Closed*.

- 1. Turn **On** the water system switch.
- 2. Open all of the faucets and showers and let the water system drain completely.
- 3. Turn *Off* the water system switch.

Any remaining water *must* be removed from the water lines. There are two ways to remove the remaining water from the lines:

- Compressed Air
- Gravity Draining

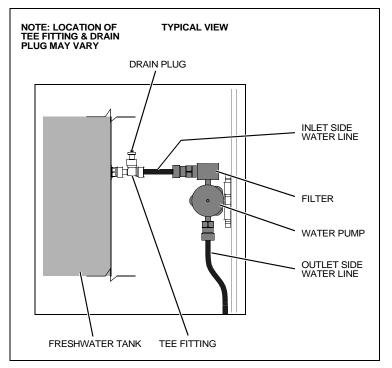
Compressed Air

You *must* have an air compressor with an air hose and an air nozzle.

- 1. Remove the water line from the outlet side of the water pump (opposite side from filter).
- 2. *Open* the faucet that is furthest away from the water pump.
- 3. Place the air nozzle against the end of the just removed water line and blow air through the system.
- 4. When water stops coming out of the *Open* faucet, stop the air and *Close* the faucet.
- 5. One at a time, repeat this process on *all* faucets and showers.

Gravity Draining

- 1. Open all faucets and showers.
- 2. Remove the drain plug from the tee fitting on the freshwater tank.
- 3. When the water has stopped draining from the freshwater tank, replace the drain plug.



Transom Shower

- Your boat is equipped with a freshwater transom shower.
- The water pump switch *must* be turned *On* before using the transom shower.
- Be sure to read the manufacturer's instructions, provided in your boat's owner's packet.

Water Heater

WARNING!

HOT HAZARD!

Water heated by the water heater can reach temperatures hot enough to scald the skin.

CAUTION!

WATER HEATER DAMAGE HAZARD!

- *DO NOT* turn *On* the water heater electrical circuit on the AC panel until the water heater tank is COMPLETELY filled with water.
- Even momentary operation in a dry tank will damage the heating elements.
- Warranty replacements *WILL NOT* be made on elements damaged in this manner.
- The tank is full if water flows from the tap when the hot water is turned *On* in the galley.
- The water heater should be drained and the power turned *Off* when the possibility of freezing exists.

NOTICE

If your boat is connected to shore power or generator power, but the water heater is *not* working:

• Make sure the water heater circuit breaker on the AC panel is switched On.

If the circuit breaker on the AC panel is *On*, but the water heater is still *not* working:

- Consult with your dealer about checking the "push to reset" circuit breaker located on the water heater.
- The water heater is connected to the AC power system, therefore, you *must* make sure that the water heater breaker on the AC panel is turned *On* before water will be heated.
- Read the manufacturer's instruction manual supplied in your boat's owner's packet and observe the warnings above.

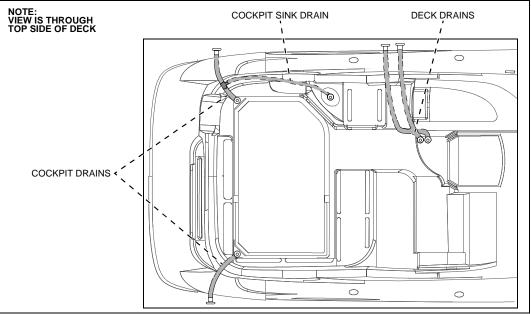
Winterizing the Water Heater

- 1. Turn *Off* the water heater breaker.
- 2. Disconnect the hose (A) attached to the pressure relief valve (B).
- 3. If there is any water in this hose, drain it into the bilge or into a bucket.
- 4. *Open* the pressure relief valve (B).
- 5. *Open* the drain valve (C).
- Leave the pressure relief and drain valves *Open* until you fit out the boat after storage.



Drain Systems

Deck Drains



- Water on the deck is drained overboard through the deck drains.
- Keep the deck drains free of debris.

Sink Drains

Gray water (water from sinks) above the waterline is gravity drained overboard.

Shower Drains

- The shower is drained into a sump box.
- A float switch automatically turns *On* the sump pump.
- The sump pump pumps the shower water overboard.

Sump Box Cleaning

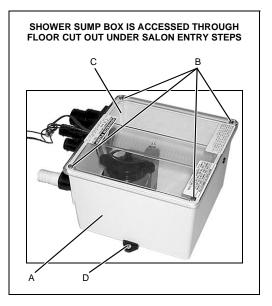
Periodically clean the sump box (A), filter, and pump as follows:

- 1. Remove the cover screws (B) and the cover (C).
- 2. Remove any debris from the box and the filter.
- 3. Clean the sump pump as outlined in the Bilge Pump section of this *Supplement*.

Sump System Winterization

Drain the sump pump system in the winter months when *not* in use.

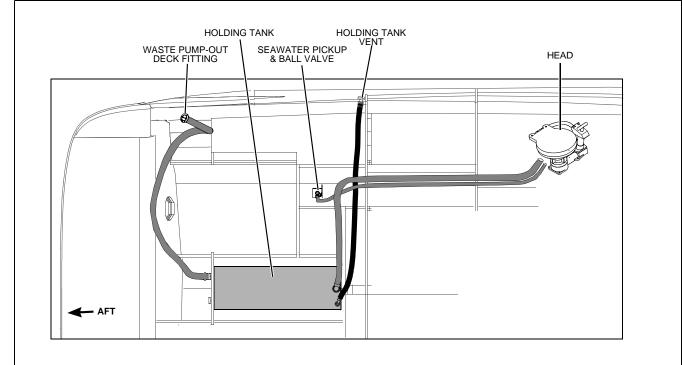
- 1. Disconnect and drain *all* lines to the unit.
- 2. Remove the screws from the mounting feet (D) and drain the system.
- 3. Reinstall the screws in the mounting feet and reconnect the system.





Marine Head With Holding Tank

- Your boat comes equipped with a marine head (toilet) and waste holding tank system.
- Read the manufacturer's operation and maintenance manual (included in your boat's owner's packet).
- The holding tank is plumbed to a waste fitting on the deck for dockside pump-out.
- You can determine the content level of the holding tank by looking at the side of the tank.
- Empty the holding tank at every opportunity.

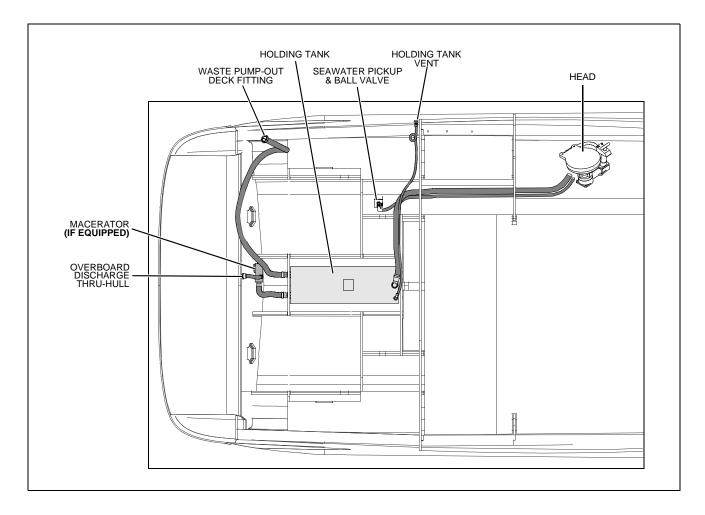


Electric Flush (If Equipped)

- The electric flush marine head installed on your boat uses seawater to flush waste from the toilet.
- The seawater pickup valve (seacock) *must* be *Open* for the head to work.

Macerator (If Equipped)





To use the macerator to pump waste directly into the water (where regulations permit):

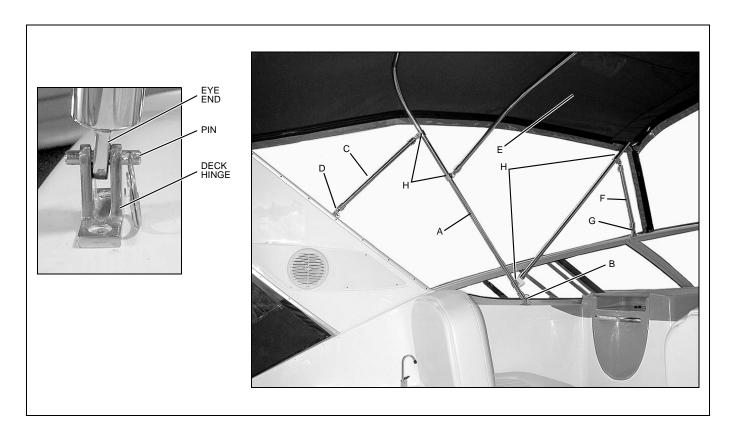
- 1. **Open** the underwater discharge seacock.
- 2. Press both macerator switches at the same time to run the pump. *Do not* continue running the macerator if the waste holding tank is empty.
- 3. Close the underwater discharge seacock when you are done pumping.

Chapter 7: Deck Equipment

Canvas

CAUTION!

Take down and securely stow the convertible top, side curtains and back cover *before* transporting your boat by road.



- 1. Slide the eye ends of the main bow (A) into the forward deck hinges (B) and insert the pins.
- 2. Slide the eye ends of the aft legs (C) into the upper deck hinges on the radar wing (D) and insert the pins
- 3. Unfold the canvas top (E) and slide the eye ends of the forward legs (F) into the lower hinges on the windshield frame (G) and insert the pins.
- 4. Attach the snaps to the deck and the windshield frame.
- No adjustments to the bow jaw slides (H) should need to be made as they are preset during manufacturing.
- Before trying to adjust the jawslide positions, obtain the correct measurements from your selling dealer.

•

Windlass (If Equipped)

CAUTION!

PRODUCT DAMAGE HAZARD!

DO NOT pull the boat to the anchor using the windlass or continue to operate the windlass if it has stalled or is overloaded.

- Read and follow the manufacturer's instruction manual supplied in your boat's owner's packet *before* using the anchor windlass for the first time.
- The windlass can be controlled from a switch at the helm or from the deck foot switches.
- Make sure that the windlass breaker is turned *On* before using the anchor windlass.
- To haul the anchor, use engine power (*not* the windlass) to move the boat to, and directly above, the anchor. Use the windlass to dislodge the anchor from the bottom by pulling it straight up.

Cleats and Tow Eyes

🚹 WARNING!

PERSONAL INJURY and /or PRODUCT or PROPERTY DAMAGE HAZARD!

• *NEVER* lift the boat using the bow and stern eyes or the cleats.

Carefully read the section on towing in the *Cruiser & Yacht Owner's Manual before* towing anything behind the boat or having the boat towed by another vessel.



Chapter 8: Appliances & Entertainment Systems

NOTICE

Always keep an approved ABC-type fire extinguisher in galley area.

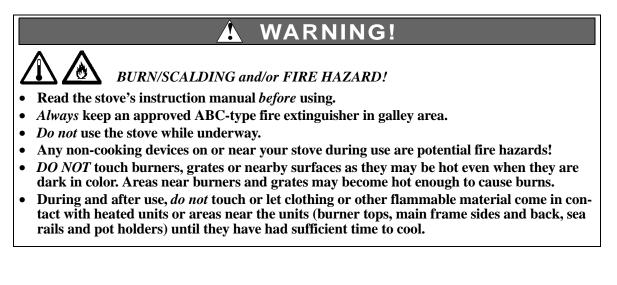
All appliances installed on your boat come with their own manuals. These manuals contain detailed instructions and important safeguards. Thoroughly read and understand these manuals *before* using your boat's appliances.

• Make sure the AC breaker is turned *On* for the appliance you wish to use.

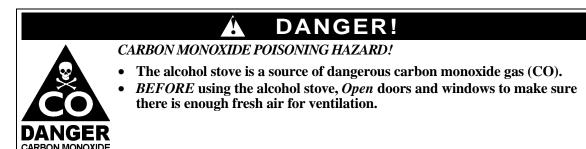
Refrigerator

Your boat features a 120-volt AC/12-volt DC refrigerator. The refrigerator runs on 12-volt DC power unless 120-volt AC power is being supplied by the generator (if equipped) or shore power *and* the AC refrigerator breaker is *On*.

Electric Stove (If Equipped)



Alcohol/Electric Stove (If Equipped)



WARNING!

- Open flame cooking appliances consume oxygen, this can cause asphyxiation or death.
- Maintain open ventilation.

WARNING!



- **BURN/SCALDING and/or FIRE HAZARD!**
- Read the stove's instruction manual *before* using.
- Always keep an approved ABC-type fire extinguisher in galley area.
- *Do not* use the stove while underway.
- Any non-cooking devices on or near your stove during use are potential fire hazards!
- *DO NOT* touch burners, grates or nearby surfaces as they may be hot even when they are dark in color. Areas near burners and grates may become hot enough to cause burns.
- During and after use, *do not* touch or let clothing or other flammable material come in contact with heated units or areas near the units (burner tops, main frame sides and back, sea rails and pot holders) until they have had enough time to cool.

CAUTION!

PRODUCT DAMAGE HAZARD!

To prevent overheating which can destroy the electric burner elements, *NEVER* attempt to use both alcohol and electric burners simultaneously.

Audio & Visual Equipment

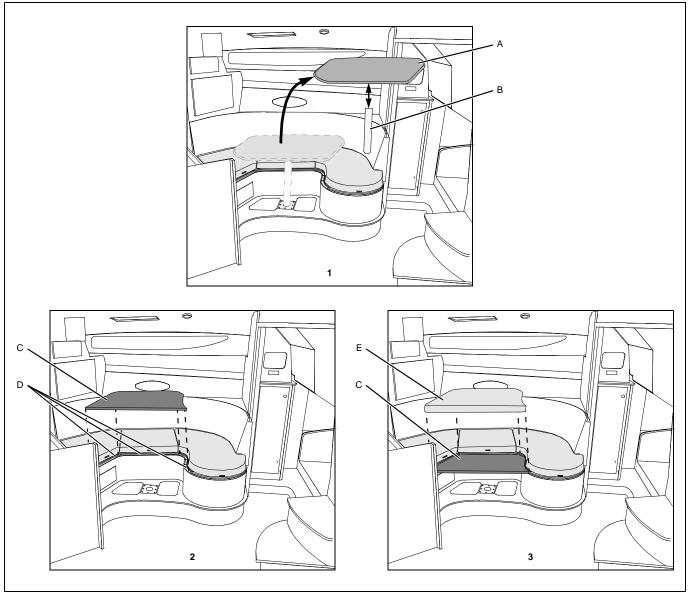
NOTICE

AM radio reception may be impaired anytime the engine or generator is running.

All audio and visual equipment installed on your boat have separate instruction sheets or manuals that explain their use in detail.

Chapter 9: Convertible Seats, Beds, & Tables

Dinette/V-Berth

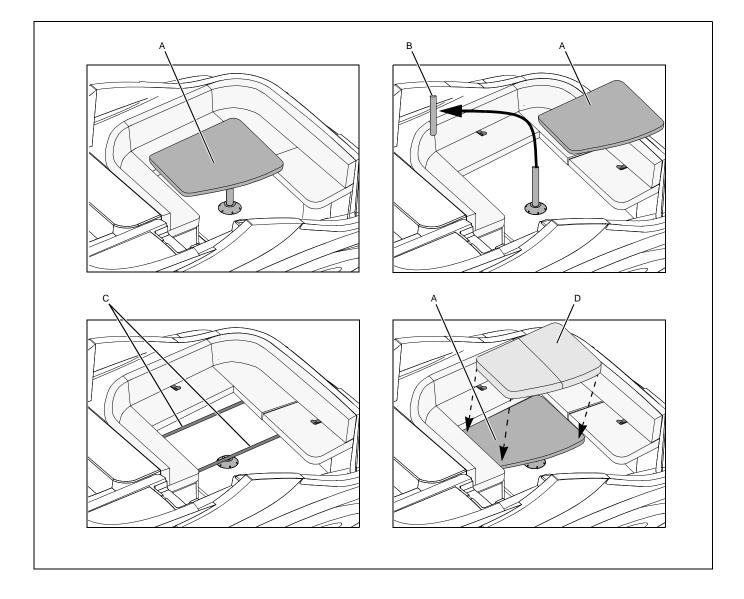


The dinette table can be removed and the dinette area can be converted into a berth.

- 1. Remove the table (A) and the table leg (B).
- 2. Place the filler board (C) so that it fits securely into the recessed edge (D) at the front of the dinette seats.
- 3. Place the filler cushion (E) on top of the filler board (C).

Cockpit

Cockpit Table/Sunlounge



The aft cockpit table and table leg can be removed and the seating can be converted into a flat sunlounge.

- 1. Lift the table (A) and remove table leg (B).
- 2. Put the cross supports (C) in place.
- 3. Place the table (A) on top of the supports (C).
- 4. Place the cushion (D) on top of the table (A).
- 5. Make sure that *all* parts are secure *before* using the sunlounge.

Chapter 10: Lights

Care and Maintenance

All of the lights installed on your boat are of top quality, but you should be aware that failure may periodically occur for a variety of reasons:

- 1. There may be a blown fuse *replace the fuse*.
- 2. The bulb may be burned out carry spare bulbs for replacement.
- 3. A wire may be damaged or may have come loose repair as required.
- 4. The bulb base may be corroded *clean the base and coat it with non-conductive electrical lubricant*.

Navigation Lights

Avoid the storage of gear where it would block navigation lights from view.

Read and understand the navigation light section of Cruiser & Yacht Owner's Manual.

Interior & Exterior Lights

CAUTION!

- Be conservative in the use of battery power.
- Prolonged use of cabin interior lights (overnight) will result in a drained battery.
- The lights are powered by the boat's 12 volt DC system.
- The battery switch *must* be in the 1, 2 or BOTH position for the lights to work.
- There are *On/Off* light switches for different sets of lights on the cabin wall.
- Some individual lights also have a switch on the light.

Spotlight (If Equipped)

Your boat may come equipped with a spotlight which can be controlled by a switch at the helm. Instructions can be found in the spotlight's operating manual (included in your boat's owner's packet).

Chapter 11: Heating & Air Conditioning

Air Conditioning System (If Equipped)

A DANGER!



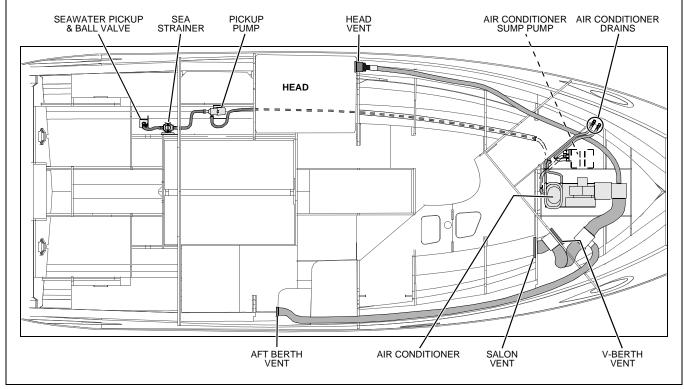
CARBON MONOXIDE POISONING HAZARD!

Dangerous carbon monoxide gas (CO) can be brought into the boat through the air conditioning system.

CAUTION!

SYSTEM DAMAGE HAZARD!

The air conditioning system's seacock *must* be *OPENED* before turning on the air conditioner and *must* remain *OPEN* during use.



Your boat may be equipped with an air conditioning system. Read the air conditioner manual, included in your owner's packet, *before* using the air conditioning system.

- Before using the air conditioning system, make sure the breakers on the AC main distribution panel are turned **On** and make sure the system's seawater pickup seacock is **Open**. The seacock **must** remain **Open** anytime the air conditioner is in use.
- Check the seawater pickup strainer for debris according to the directions given in the *Seawater Strainer* section of this *Supplement*.



Chapter 12: Electrical System

DANGER!

2 27 WW EXTREME FIRE, SHOCK & EXPLOSION HAZARD!

4

- To minimize the risks of fire and explosion, *NEVER* install knife switches or other arcing devices in the fuel compartments.
- *NEVER* substitute automotive parts for marine parts. Electrical, ignition and fuel system parts were designed and manufactured to comply with rules and regulations that minimize risks of fire and explosion.
- DO NOT modify the electrical systems or relevant drawings.
- Have qualified personnel install batteries and/or perform electrical system maintenance.
- Make sure that *all* battery switches are turned *OFF* before performing any work in the engine spaces.

WARNING!



FIRE & EXPLOSION HAZARD!

- Fuel fumes are heavier than air and will collect in the bilge areas where they can be accidently ignited.
- Visually and by smell (sniff test), check the engine and fuel compartments for fumes or accumulation of fuel.
- *ALWAYS* run the bilge blowers for at least four minutes prior to engine and/or generator starting, electrical system maintenance or activation of electrical devices.
- Minimize the danger of fire and explosion by *not* exposing the batteries to open flame or sparks. *NEVER* smoke anywhere near the batteries.

CAUTION!



SHOCK & ELECTRICAL SYSTEM DAMAGE HAZARD!

NEVER disconnect the battery cables while the engine is running since it can cause damage to your boat's electrical system components.

NOTICE

Electrical connections are prone to corrosion. To reduce corrosion caused electrical problems, keep *all* electrical connections clean and apply a spray-on protectant that is designed to protect connections from corrosion.

12 Volt DC System

Batteries

The batteries supply electricity for lights, accessories, engine and generator (if equipped) starting.

The Electrical section of Chapter 8, in the *Cruiser & Yacht Owner's Manual*, provides battery, care and maintenance instructions.

Fuses and Circuit Breakers

- Fuses and circuit breakers for engines and main accessory power are on the DC main distribution panel and on the battery switch panel.
- Some equipment may have secondary fuse protection at the unit, behind the battery switch panel, or at the batteries.
- Electronics power is provided at the helm station.



Battery Switches

CAUTION!

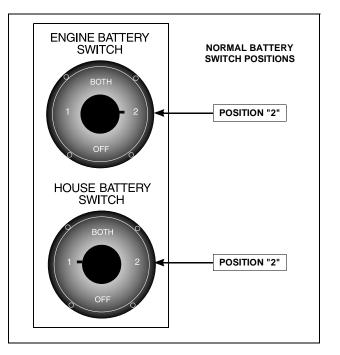
ENGINE & ELECTRICAL SYSTEM DAMAGE HAZARD!

NEVER change battery switch positions while the engine is running. It can cause damage to your boat's engine alternator.

NOTICE

Since the batteries on your boat were dealer-installed, the battery switch positions listed below may vary. Make sure you get a full explanation of battery switch use from your selling dealer.

- Each battery switch has four (4) positions.
- The normal settings are: Engine battery switch - position "2". House battery switch - position "1".
- Some "Standby Loads", such as the CO monitor, the automatic bilge pumps, and the stereo memory, are *not* affected by the battery switch since they are wired directly to the battery (see the *Wiring Diagrams* in this *Supplement* for more details).



Battery Switch Position	Engine Starting	Accessories and Lights	Engine Alternator
POSITION	Battery <u>1</u> Provides Starting Power	Battery <u>1</u> Provides Power for Accessories and Lights	Charges Battery <u>1</u>
POSITION	Battery <u>2</u> Provides Starting Power	Battery <u>2</u> Provides Power for Accessories and Lights	Charges Battery <u>2</u>
POSITION <u>BOTH</u>	<u>BOTH</u> Batteries Provide Starting Power	<u>BOTH</u> Batteries Provide Power for Accessories and Lights (not advised unless engine is running)	Charges <u>BOTH</u> Batteries
POSITION <u>OFF</u>	Prevents Start/Run	Batteries Provide Power for Standby Loads Only	Dot Not Run Engine in this Position

Alternator

The engine alternator will keep the batteries properly charged when running at cruising speeds.

Battery Charger

CAUTION!

ENGINE & ELECTRICAL SYSTEM DAMAGE HAZARD!

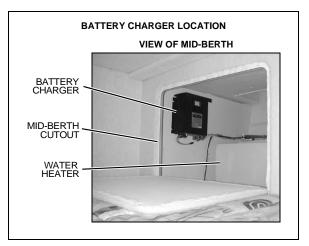
NEVER run the boat's engine and the battery charger at the same time.

CAUTION!

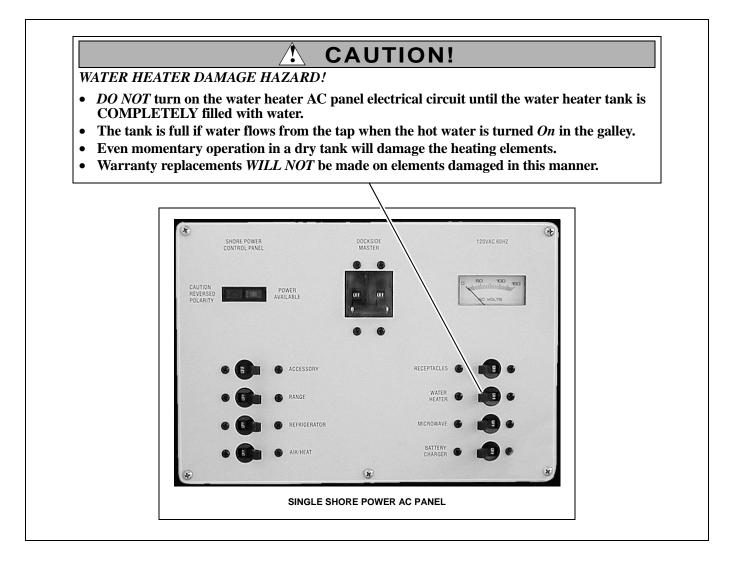
The battery charging systems (alternator and battery charger) installed on your boat are designed to charge conventional lead-acid batteries. Before installing gel-cell or other new technology batteries, consult with the battery manufacturer about charging system requirements.

Your boat is equipped with a battery charger. Thoroughly read and understand the battery charger manual (provided in your boat's owner's packet) *before* using the battery charger for the first time.

- The battery charger will charge the boat's batteries whenever the boat is plugged into 120V/60Hz shore power and the "BATTERY CHARGER" AC breaker is *On*.
- The battery charger is independent of the battery switch. For proper charging, the battery switch can be in any position.
- You may use DC powered electrical systems, such as the lights and stereo when the battery charger is *On*, but there will be a corresponding drop in charger performance.



120 Volt AC System



NOTICE

Whether using shore power or generator power, the simultaneous use of several AC components can result in an overloaded circuit. It may be necessary to turn *Off* one or more accessories in order to use another accessory.

- The 120V/60Hz AC system can be energized by shore power or generator power (if equipped).
- The master circuit breakers, located on the AC panel, provide power source selections to AC powered accessories. Individual breakers *must* be turned *On* to supply power to the accessories you wish to use.
- The AC panel may contain inactive circuit breakers for accessories that are *not* available for this model boat.

Shore Power

A DANGER!

- FIRE, EXPLOSION & SHOCK HAZARD!
- DO NOT alter shore power connectors and use only compatible connectors.
- Before connecting or disconnecting the shore power cord to your boat, make sure *all* breakers and switches on the AC master panel are turned *OFF*.
- To prevent shock or injury from an accidental dropping of the "hot" cord into the water, *ALWAYS* attach the shore power cord to the boat inlet first; then to the dockside connection. When disconnecting from shore power, disconnect the shore power cord from the dockside connection first.
- *NEVER* leave a shore power cord connected to the dockside connection only.
- Only use shore power cords approved for marine use. *NEVER* use ordinary indoor or outdoor extension cords that are *not* rated for marine use.

WARNING!

SHOCK & ELECTRICAL SYSTEM DAMAGE HAZARD!

- Monitor the polarity indicator lights EVERY TIME you connect to shore power.
- If a red reversed polarity light turns *On* when you are connecting to shore power, *DO NOT* energize the main breaker switches.
- Instead, IMMEDIATELY disconnect the shore power cord (*ALWAYS* from the dockside receptacle first) and notify marina management.

WARNING!

SHOCK & ELECTRICAL SYSTEM DAMAGE HAZARD!

1

- Periodically check the shore power cord(s) for deterioration or damage.
- *NEVER* use damaged or faulty cords since the danger of fire and electrical shock exists.
- *DO NOT* pinch shore power cords in doors or hatches, or coil the shore power cord too tightly since these situations can generate enough heat to result in a fire.
- If a shore power cord accidently becomes immersed in water, THOROUGHLY dry the blades and contact slots before reusing.

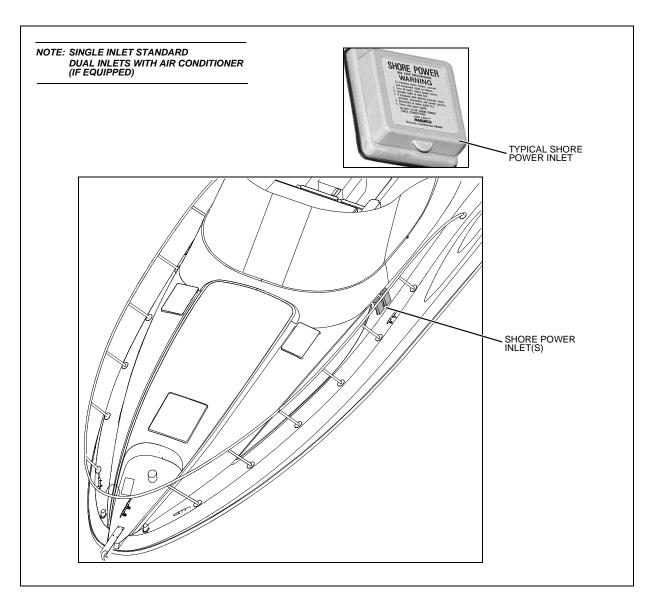
CAUTION!

L ELECTRICAL SYSTEM DAMAGE HAZARD!

- *NEVER* connect to dockside power outside of North America unless you have purchased the international electrical conversion option.
- The simultaneous use of several AC components can result in an overloaded circuit. It may be necessary to turn *Off* one or more accessories in order to use another accessory.
- Use double insulated or three-wire protected electrical appliances whenever possible.

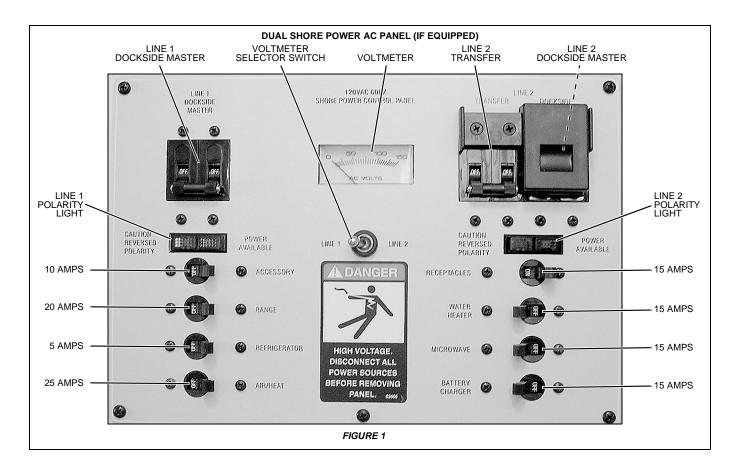
NOTICE

Some dockside installations may be rated less than 30 amps, therefore, you may need to purchase lower amp adapters. Whenever a lower amp adapter is used, however, there will be a corresponding drop in supplied power from the dockside system.



Connecting To Shore Power

- The single shore power 120V/60Hz, AC system (if equipped) features one, 120V/30 amp, shore power receptacle.
- If your boat is equipped with an air conditioning system, a second (dual) 30 amp inlet has been installed.
- The dual shore power inlets are labeled "LINE 1" and "LINE 2", which corresponds to the "LINE 1" and "LINE 2" master breakers on the AC panel.
- The dual shore power system is designed so that each line is independent of the other except when the AC power transfer switch is used.



- 1. Review *all* hazard information at the beginning of this section, *Shore Power*.
- 2. Turn Off all breakers and switches on the AC master panel.
- 3. Attach the shore power cord to the boat inlet first then to the dockside outlet.
- 4. Monitor the AC panel's polarity indicator lights, located below the line master breaker(s), as follows:
- A *green* light illuminating after the power cord is plugged into the dockside outlet indicates acceptable electrical power. You may turn **On** the master breaker switch.
- A <u>red</u> light, however, indicates reversed polarity, which could cause electrical system damage and possibly electrical shock injuries. In this case, **do not** turn **On** the master breaker switch.
- 5. Switch the "LINE 1 DOCKSIDE MASTER" *On*.
- 6. If equipped with dual dockside, switch the "LINE 2 DOCKSIDE MASTER" On.
- 7. Turn **On** the individual component breakers as required.

Transfer Switch (If Equipped with Dual Shore Power)

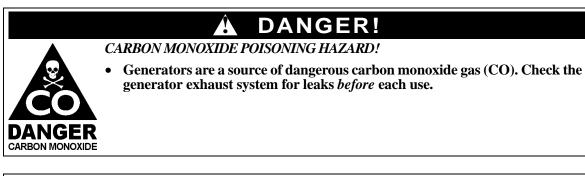
NOTICE

- When using the "Transfer Switch" do not exceed 30 total amps.
- The amperage of each component breaker is shown in figure 1.
- The voltage on each line can be read by setting the voltmeter selector switch.

When only one dockside outlet is available, you can use the "Transfer Switch" to provide power to both lines.

- 1. Connect to shore power as described in steps 1 through 4 above.
- 2. Switch the "LINE 1 TRANSFER SWITCH" (transfers power from line 1 to line 2) *On* instead of the "LINE 2 DOCKSIDE MASTER.
- 3. Turn **On** the individual component breakers as required.

Generator (If Equipped)



🔥 WARNING!

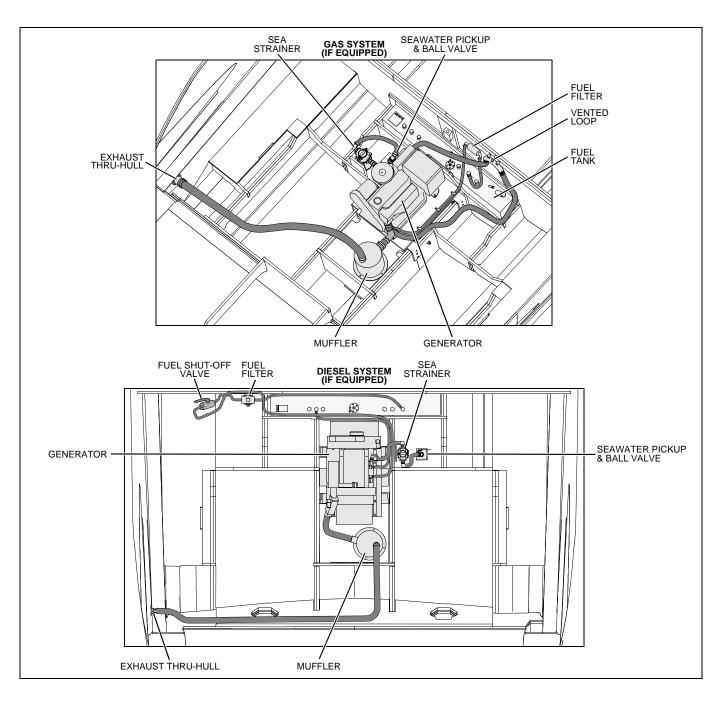


- Use the bilge blowers for a minimum of four minutes *before* starting the generator.
- Leave the blowers on while the generator is running unless the boat is running at cruising speed.
- Use of the blower system is *not* a guarantee that explosive fumes have been removed.
- If you smell any fuel, *DO NOT* start the generator.
- If the generator is already running, IMMEDIATELY shut *Off* the generator and *all* electrical accessories and investigate.
- DO NOT obstruct or modify the ventilation system.

CAUTION!

SYSTEM DAMAGE HAZARD!

- *Always* make sure the generator's seawater pickup seacock is *OPEN* before and during the running of the generator.
- *NEVER* use the generator starter for more than 30 seconds.
- If the generator does not start, wait at least 30 seconds before another start attempt is made.
- After starting the generator, wait for the generator to stabilize *before* turning *On* component breakers on the AC panel.



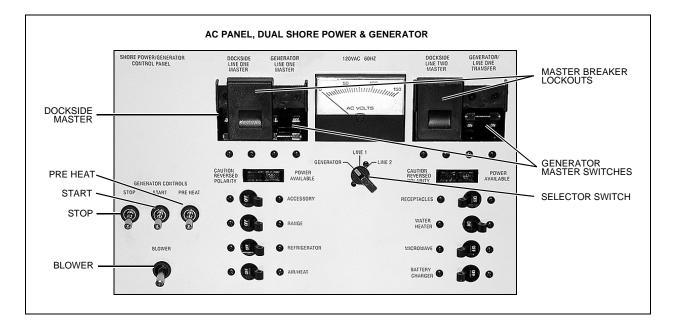
- The generator (if equipped) can supply 120V/60Hz power to the boat when it is *not* connected to shore power.
- Prior to running your generator for the first time, read the generator manual for detailed information on pre-start checks, break-in procedures and starting instructions.

Observe the following about your generator:

- Polarity has been established in the installation of the generator, therefore the polarity lights will *not* function while in this mode.
- The coolant mixture installed at the factory consists of equal parts of water and anti-freeze (Ethylene Glycol). Frequently check the generator's seawater strainer for leaks and/or debris as outlined in the seawater strainer section of this *Supplement*.
- This system is designed so that ship's generator and shore power sources can not supply power at the same time.
- To monitor the voltage generated by the generator, switch the voltage selector switch to the GENERATOR position.



Generator Use



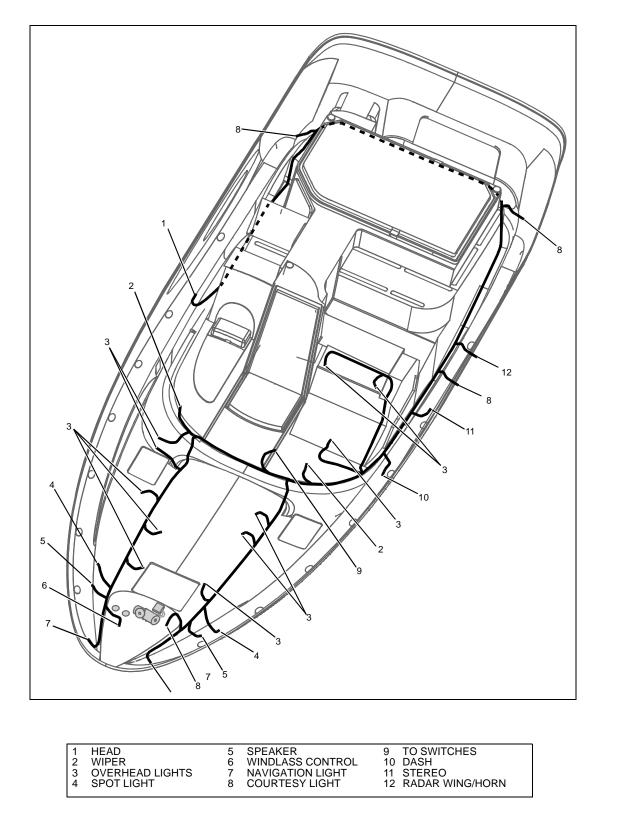
- 1. Run the bilge blowers for a minimum of four minutes before starting the generator.
- The blower switch is located on the AC panel near the generator controls.
- If your boat is running below cruising speed, leave the blowers **On** while the generator is running.
- 2. Make sure the generator's seawater pickup seacock is *Open* before starting and during running of the generator.
- 3. Make sure that the battery switch is turned to position "1" or "2".
- 4. Slide the master breaker lockouts to cover the dockside master breakers and reveal the generator master breakers.
- 5. Switch the "GENERATOR LINE ONE MASTER" and the "GENERATOR/LINE ONE TRANSFER" master breakers *On*.
- 6. On the AC panel, press up and hold the oil pressure switch (labeled "PRE HEAT") and the "START" switch at the same time until the generator starts.
- 7. Turn *On* each individual component breaker as required.

To shut Off the generator, press up and hold the "STOP" switch until the generator completely shuts down.

Electrical Routings

Deck Electrical Harness

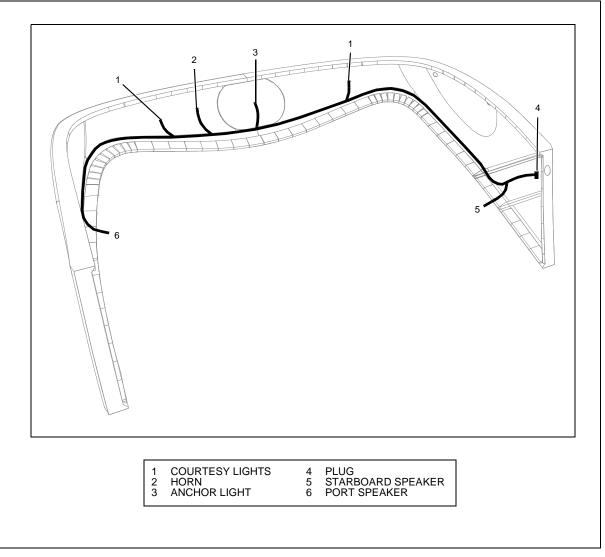
NOTE: VIEW IS UNDERSIDE OF DECK



Windlass Electrical Harness (If Equipped)

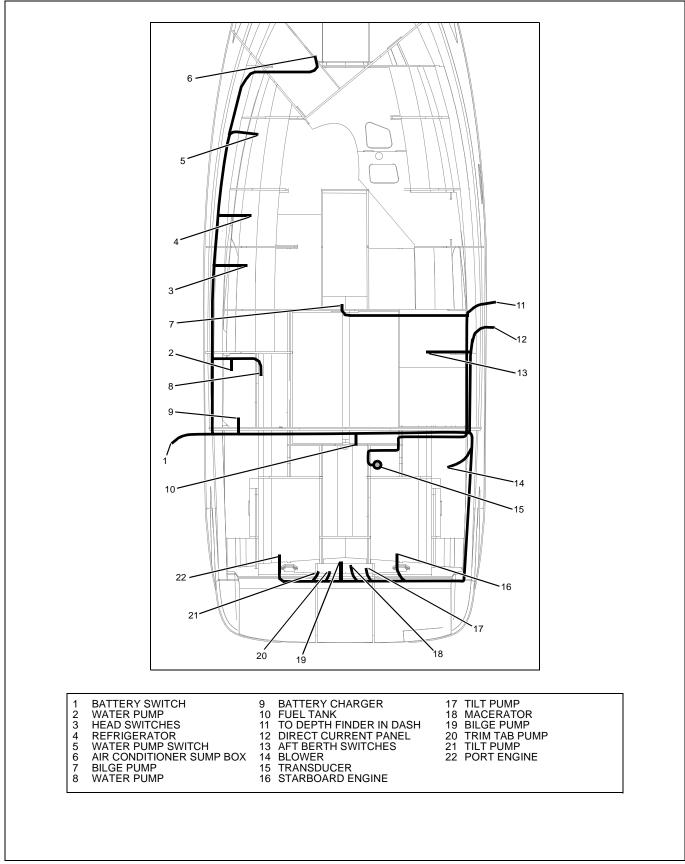
NOTE: VIEW IS UNDERSIDE OF DECK NEGATIVE TO BUSS BAR POSITIVE TO WINDLASS CIRCUIT BREAKER 1 2

Radar Wing Electrical Harness

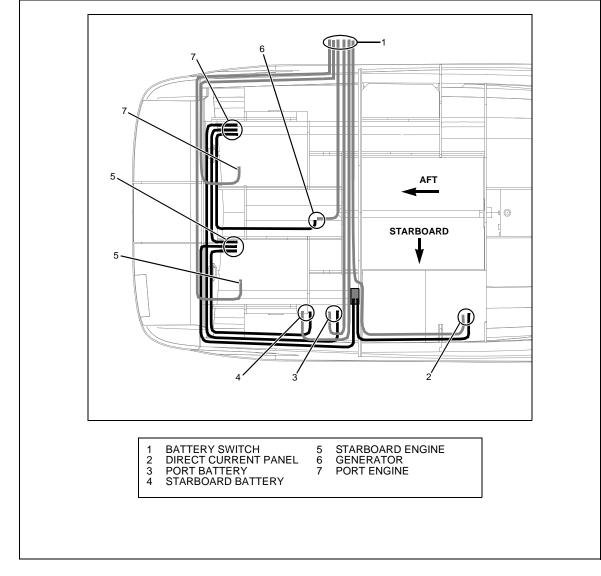




Hull Electrical Harness

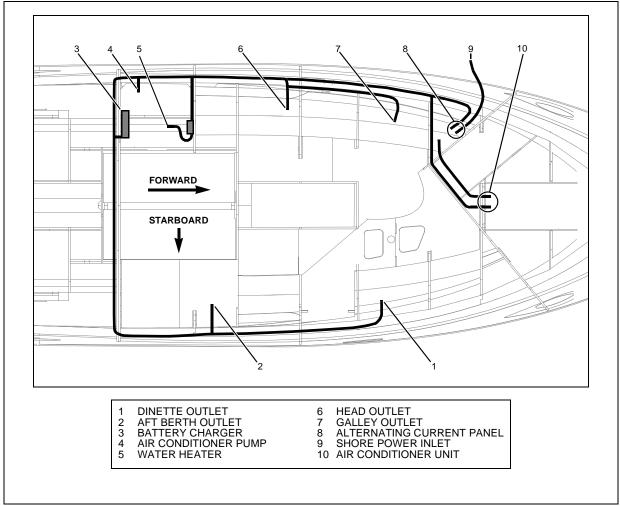


Battery System

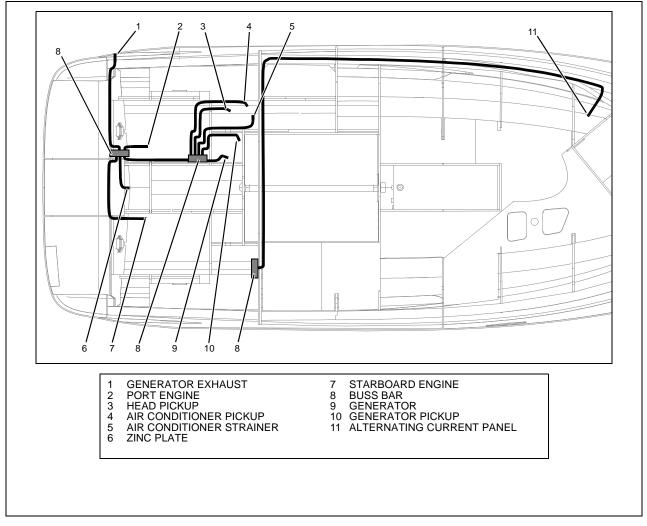




120 Volt AC System



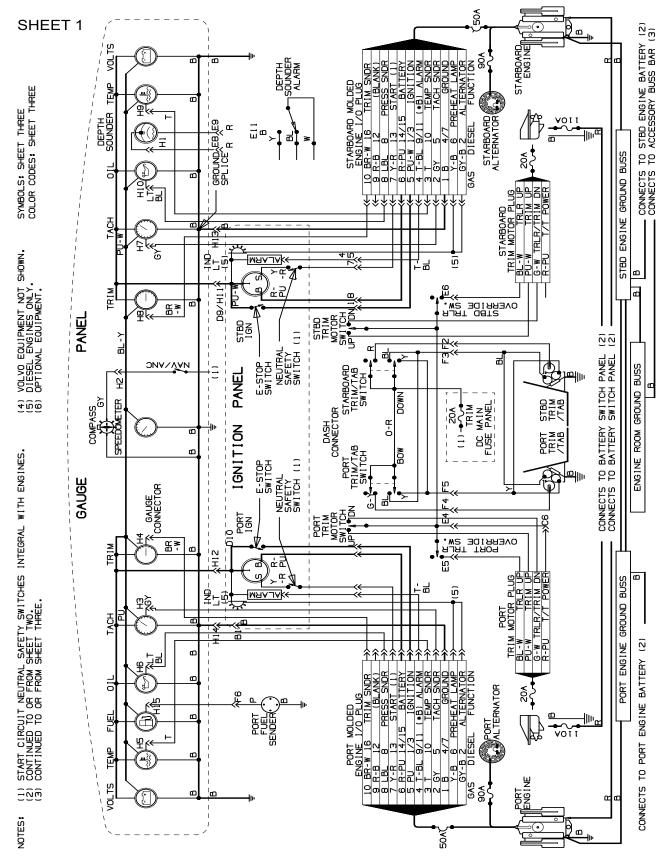
Bonding Harness





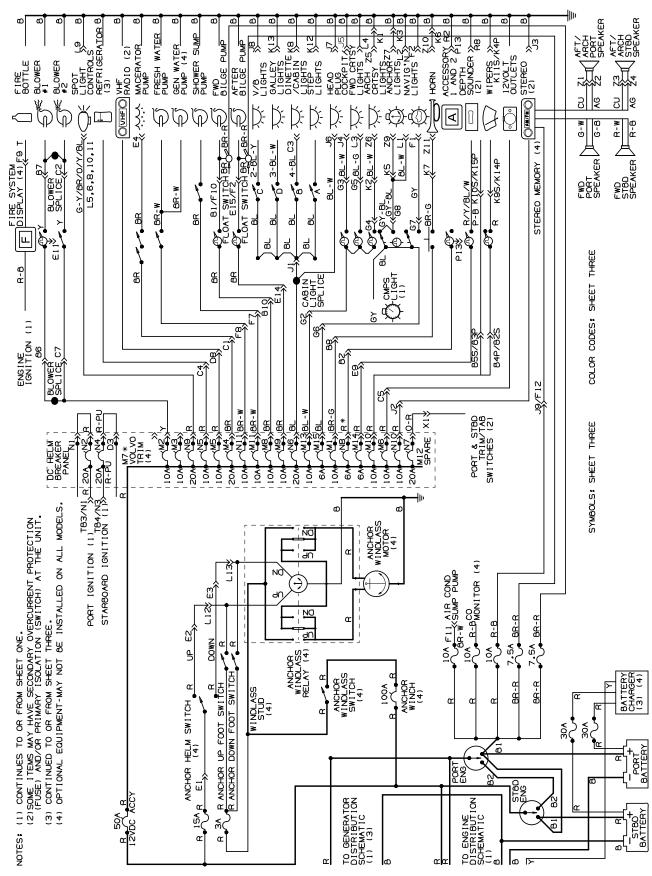
Wire Diagrams

Engine Electrical System



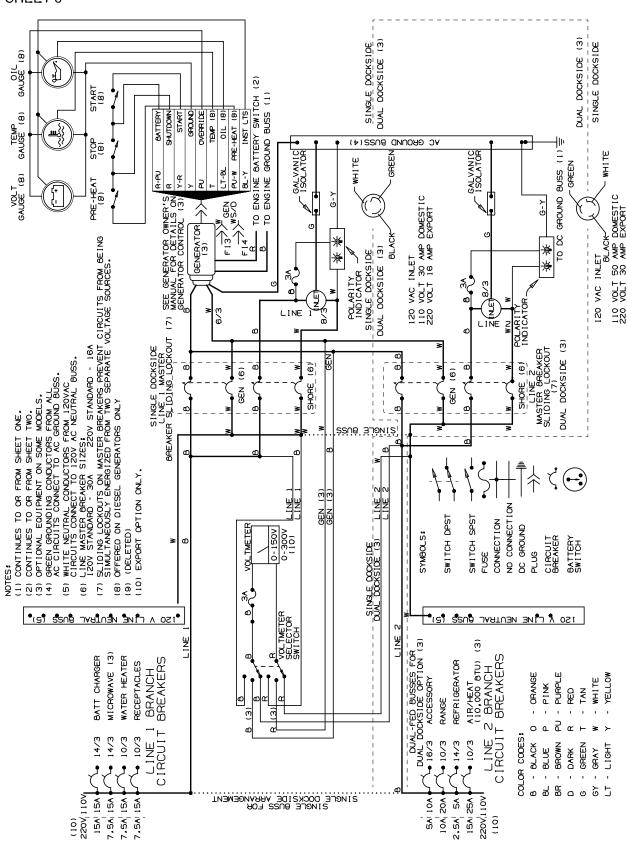
DC Electrical System

SHEET 2



AC Electrical System





Important Records

Selling Dealer		Key Numbers	
Name Of Dealership		Ignition	Other
Add	ress		
Phone/F4	X/E-mail	Electronics	
Sales M	lanager	Manufacturer	Model Name/Number
Service Manager		Seria	I Number
Engine(s)		Manufacturer	Model Name/Number
Manufacturer	Model Name/Number	Seria	I Number
Port (or only) Engine Serial Number	Starboard Engine Serial Number	Manufacturer	Model Name/Number
Oil Type/SAE Quarts pe	er Engine Filter Type	Seria	I Number
Propeller		Manufacturer	Model Name/Number
Manufacturer	Pitch	Seria	I Number
Model 1	Number		



Float Plan

Before going boating, fill out a copy of this float plan (or similar) and leave it with a *reliable* person whom you can depend on to contact the Coast Guard or other rescue organization, if you do not return as scheduled.

Description of Boat

Persons on Board

Reg	gistration/Documentation Nu	mber		Full Name	
Length	Make	Туре	Age	Health	Phone Number
Hull Color		Trim Color			
				Full Name	
Fuel Capacity	Engine Type	Number of Engines	Age	Health	Phone Number
	Distinguishing Features				
				Full Name	
	Distinguishing Features				
		-	Age	Health	Phone Number
Operator of	Boat				
				Full Name	
	Full Name		Age	Health	Phone Numbe
Male or Female	Age	Health			
		-		Full Name	
	Address				
	A.1.1		Age	Health	Phone Number
	Address				
	Phone/FAX/E-mail			Full Name	
	Operator's Experience		Age	Health	Phone Number
				Full Name	
			Age	Health	Phone Number
			÷		
		-		Full Name	
		-	Age	Health	Phone Number
			, ige	ricalar	i none radiibei

Survival Equipment

Marine Radio (Yes/No)	Туре	Frequencies	Departing From	
Number of PFDs	Flares (Yes/No)	Mirror (yes or no)	Departure Date	Departure Time
Smoke Signals (Yes/No)	Flashlight (Yes/No)	Food (Yes/No)	Store	over 1
Water (Yes/No)	Anchor (Yes/No)	Raft/Dinghy (Yes/No)	Arrive No Later Than: Date	Arrive No Later Than: Time
Paddles (Yes/No)	EPIRB (Yes/No)	Other		
0.1			Stope	over 2
Other	Other	Other		
			Arrive No Later Than: Date	Arrive No Later Than: Time
Vehicle Desc	cription		Store	over 3
Make		Model	Arrive No Later Than: Date	Arrive No Later Than: Time
Color	L	License Number		
			Stope	over 4
V	Vhere is the Vehicle Parked	?		
			Arrive No Later Than: Date	Arrive No Later Than: Time
			Chana	
			Stope	over 5
			Arrive No Later Than: Date	Arrive No Later Than: Time
			Anve No Later Hall. Date	Anve the Eater than. This
			Stope	over 6
			Arrive No Later Than: Date	Arrive No Later Than: Time
			Final Destination Port (If I	Different Than Home Port)
			Arrive No Later Than: Date	Arrive No Later Than: Time
			If not returned by the date the Coast Guard or other l	and time listed above, call local authority.
			Coast Guard F	Phone Number

Trip Expectations

Local Authority Phone Number



Owner's Notes

Owner's Notes

Part Number 1716976

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