BALINER® 212 Runabout

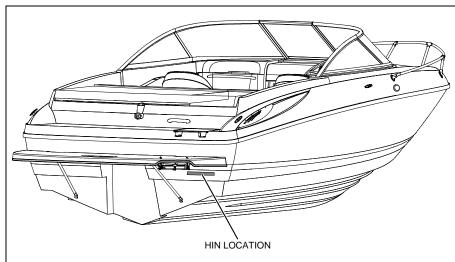
Owner's Manual Supplement

Engine Serial Number: _____

Hull Identification Number:

Hull Identification Number

- The Hull Identification Number (HIN) is located on the starboard hullside just forward 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 (United 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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Chapter 1: Welcome Aboard!

Dimensions & Tank Capacities 1 Dealer Service 1 Warranty Information 1 Boating Experience 2 Engine & Accessory Guidelines 2 Engine & Accessory Literature 2 Propeller 3 Structural Limitations 3 Qualified Maintenance 3 Safety Standards 4 Special Care for Moored Boats 5 Carbon Monoxide (CO) 6 CO Facts 6 Factors that Increase the Effects of CO Poisoning 6 Where & How CO Can Accumulate 7 How to Protect Yourself & Others From CO 7 CO Checklists 8 CO Monitor 8 More Information 9 Warnings & Warning Labels 10

Chapter 2: Locations

Exterior Views 12 Hull Views 12 Deck Views 13 Helm 14 Component Locations 15

Chapter 3: Propulsion & Related Systems

Engine 26 Bilge Blower System 26 Fuel System 27 Fuel Fill & Vent 28 Fuel Filters 28 Anti-siphon Valve 28 Quick Oil Drain System 29

Chapter 4: Controls & Gauges

Steering 30 Shift/Throttle Controls 30 Power Trim & Tilt 30

Gauges 31 Cleaning the Gauges 31 Gauge Fogging 31 Radio Transmission Interference 31 Fuel Gauge 31

Compass (If Equipped) 32 Depth Finder (If Equipped) 32

Chapter 5: Plumbing

Bilge Pump 33 Bilge Pump Testing 34

Freshwater System (If Equipped) 35 Freshwater System Winterization 36

Drain Systems 37 Deck Drains 37 Gray Water Gravity Drains 37

Portable Toilet 37

Chapter 6: Deck Equipment

Cleats & Bow/Stern Eyes 38

Ski-Tow Ring 38

Canvas & Vinyl Tops & Enclosures 39 Convertible Top 39 Bimini Top (If Equipped) 40 Vinyl Curtains (If Equipped) 41 Canvas Care 42 Clear Vinyl Care 43

Chapter 7: Entertainment Systems

Audio Equipment 44

Chapter 8: Convertible Seats, Beds, & Tables

Sleeper Seats (If Equipped) 45 Operating Positions 45 Lounge Positions 45

V-berth Conversion 46 Jump Seat to Sunlounge Conversion 47

Chapter 9: Lights

Care & Maintenance 48 Interior & Exterior Lights 48 Navigation Lights 48

Chapter 10: Electrical System

12-Volt DC System 50 Battery 50 Fuses 50 12-Volt DC Accessory Outlet 50 Alternator 50

Electrical Routings 51 12-Volt DC Deck Harnesses 51 Battery Cable Routing 52 110-Volt AC Hull Harness 52

Wiring Diagram 53

Important Records 54

Float Plan 55

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.

A DANGER!

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

🔥 WARNING!

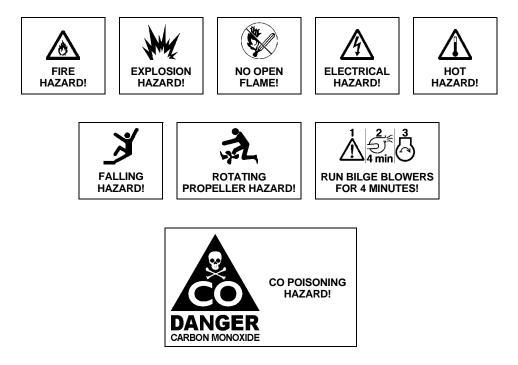
This box alerts you to hazards or unsafe practices which *COULD* result in severe personal injury or death if the warning is ignored.

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 information about your boat that is *not* covered in the *Sport Boat Owner's Manual*.
- **Before** using your boat, study this *Owner's Manual Supplement*, the *Sport Boat Owner's Manual*, and **all** engine and accessory literature carefully.
- Keep this *Owner's Manual Supplement* and the *Sport Boat Owner's Manual* on your boat in a secure, yet readily available place.

Dimensions & Tank Capacities

	Length Rigged	Bridge Clearance	Beam	Draft (Hull)	Draft (Maximum)	Fuel Capacity	Freshwater Capacity
20' 5"	21' 4"	4' 9"	8' 2"	1' 7"	3' 0"	35 Gallons	10 Gallons

Dealer Service

- Your dealer is your key to service.
- Ask your dealer to explain *all* systems *before* taking delivery of your boat.
- 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.

Warranty Information

- 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 you did not get a copy of the Limited Warranty, please contact your Bayliner dealer or call 360-435-8957 for a copy.

Boating Experience

🔥 WARNING!

CONTROL HAZARD!

A qualified operator *MUST* be in control of your 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, get handling and operating experience *before* assuming command of your 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
- In Canada, for the CPS courses call 1-888-CPS-BOAT.
- 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 & Accessory Guidelines

NOTICE

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

NOTICE

Certain modifications to your boat *WILL* result in cancellation of your warranty protection. *ALWAYS* check with your dealer *BEFORE* making any modifications to your boat.

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

Engine & Accessory Literature

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



Propeller

ENGINE DAMAGE HAZARD!

The factory standard propeller may not be the best for your particular boat and load conditions. Refer to the engine manual for engine RPM ratings. The engine should reach, but not exceed its full rated RPM when full-throttle is applied.

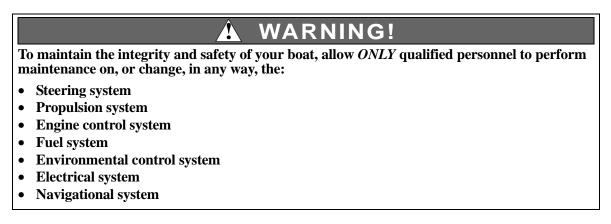
Immediately contact your local Bayliner dealer if:

- The engine cannot reach its full rated RPM when full-throttle is applied, or;
- The engine exceeds its full rated RPM when full-throttle is applied.
- Keep the propeller in good repair and at the correct pitch for your particular situation.
- A slightly bent or nicked propeller will adversely affect the performance of your boat.

Structural Limitations

The swim platform extension is designed to be lightweight for proper boat balance. The load limit for the swim platform extension is 30 pounds per square foot, evenly distributed.

Qualified Maintenance



- 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 *Sport Boat Owner's Manual*, this *supplement*, the engine owner's manual, and *all* accessory literature.

Safety Standards

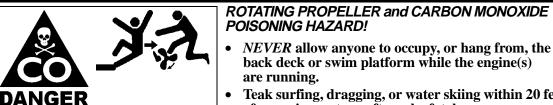
DANGER!

FALLING and ROTATING PROPELLER HAZARD!

NEVER allow anyone to ride on parts of your boat NOT designed for such use.

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.

DANGER!



1

Teak surfing, dragging, or water skiing within 20 feet of a moving watercraft can be fatal.

Ŷ **DANGER!**

PERSONAL SAFETY HAZARD!

- 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 your boat is moving and cause personal injury or death.

WARNING!

A wide variety of components used on this vessel contain or emit chemicals known to the State of California to cause cancer and birth defects and other reproductive harm.

Examples Include:

CARBON MONOXIDE

- **Engine and generator exhaust**
- Engine and generator fuel, and other liquids such as coolants and oil, especially used motor oil
- Cooking fuels
- Cleaners, paints, and substances used for vessel repair
- Waste materials that result from wear of vessel components
- Lead from battery terminals and from other sources such as ballast or fishing sinkers

To Avoid Harm:

- Keep away from engine, generator, and cooking fuel exhaust fumes.
- Wash exposed skin thoroughly with soap and water after handling the substances above.
- 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, and all of them were designed to insure your safety and the safety of other people, vessels and property.

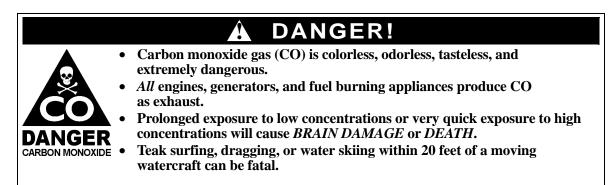
Read this supplement, the Sport Boat Owner's Manual, and all accessory instructions for important safety standards and hazard information.

Special Care for Moored Boats

NOTICE

- To help seal the hull bottom and reduce the chance of gel coat blistering while your boat is moored, 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 your boat's beauty, greatly affect its performance, and may damage the gel coat.
- Periodically haul your boat out of the water and scrub the hull bottom with a bristle brush and a solution of soap and water.

Carbon Monoxide (CO)



CO Facts

- 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.

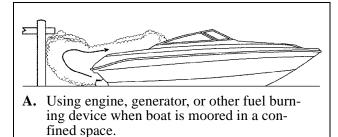
Factors that Increase the Effects of CO Poisoning

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



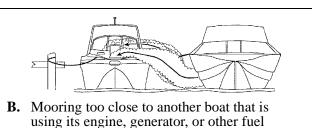
Where & How CO Can Accumulate

Stationary conditions that increase CO accumulations include:



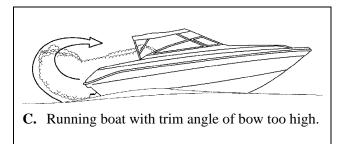
To correct stationary situations A and/or B:

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



burning device.

Running conditions that increase CO accumulations include:





D. Running boat without through ventilation (station wagon effect).

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 & Others From CO

- Know where and how CO may accumulate in and around your boat (see above).
- Always maintain fresh air circulation throughout your boat.
- 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) is 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 your 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 monitors inside your boat. *Never* ignore any alarm. Replace monitors as recommended by the monitor 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

CO Checklists

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.
- Listen for any change in exhaust sound, which could mean an exhaust component failure.
- □ Test the operation of each CO monitor 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:

- □ 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).

CO Monitor

NOTICE

The stereo memory and CO monitor place a small, but constant drain on the battery.

- Do *not* disconnect the CO monitor.
- Read the manufacturer's instructions for your CO monitor. If you did not get the manufacturer's instructions, call (800) 383-0269 and they will be mailed to you.

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



More Information

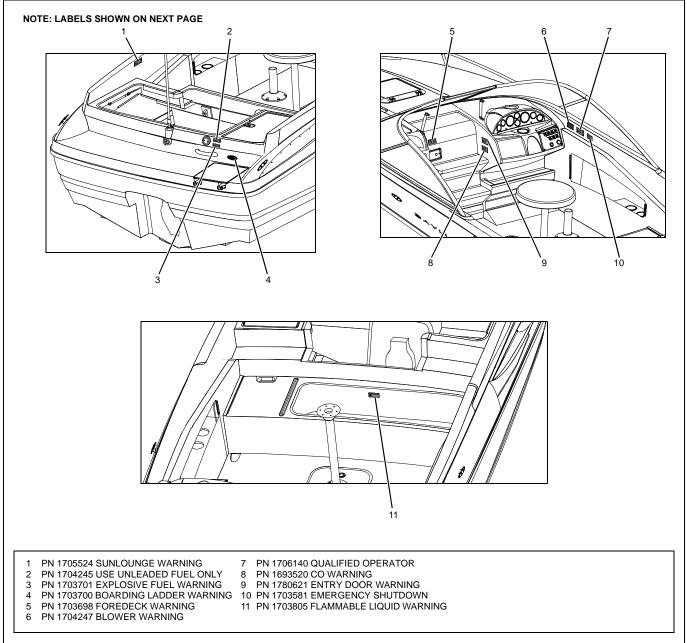
For more information about how you can prevent carbon monoxide poisoning on recreational boats and other ways to boat more safely, contact:

United States Coast Guard	National Marine Manufacturers	American Boat & Yacht Council, Inc. (ABYC)	
Office of Boating Safety (G-OPB-3)	Association (NMMA)		
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	
1-000-300-30+7	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

Warnings & Warning Labels



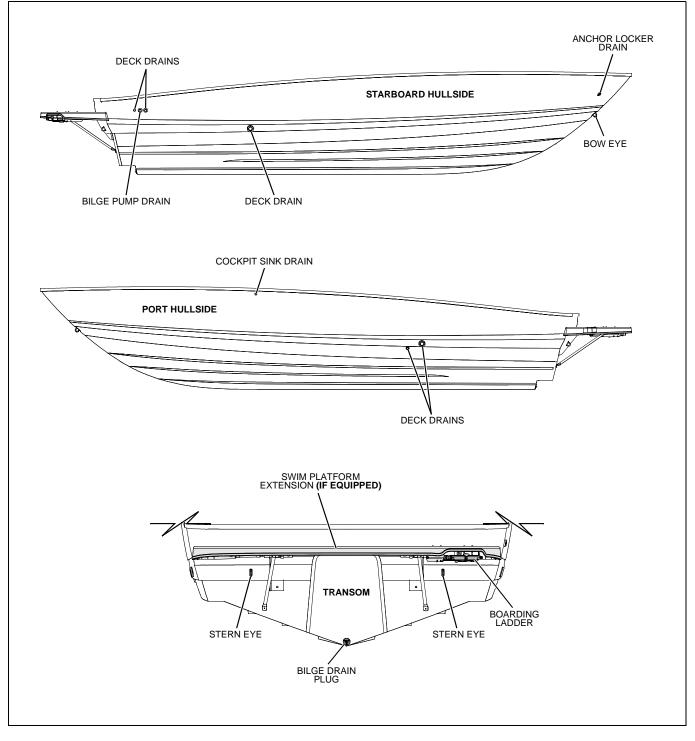




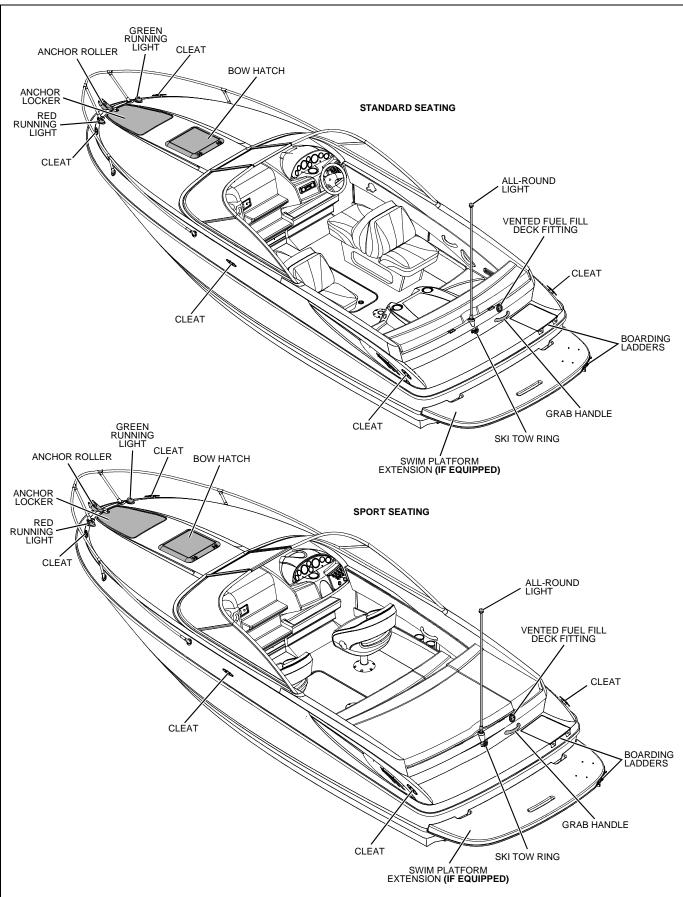
Chapter 2: Locations

Exterior Views

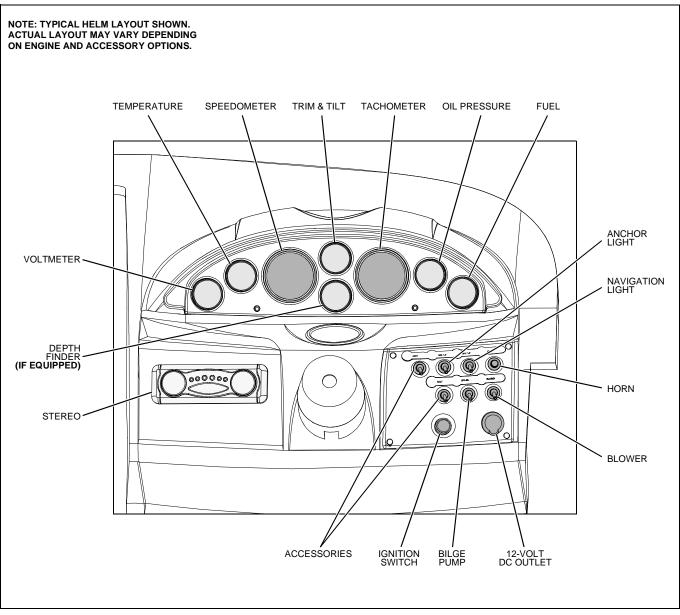
Hull Views



Deck Views

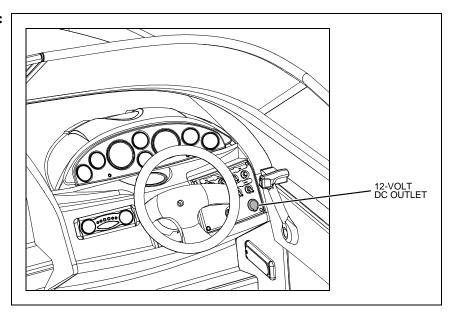


Helm

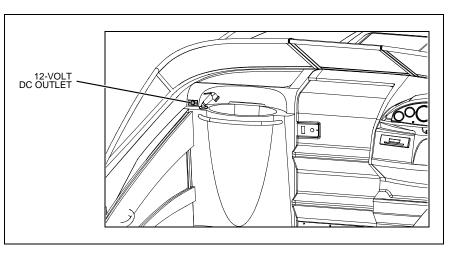


Component Locations

- 12-Volt DC Accessory Outlets (2 Total):
- One is located at the helm.

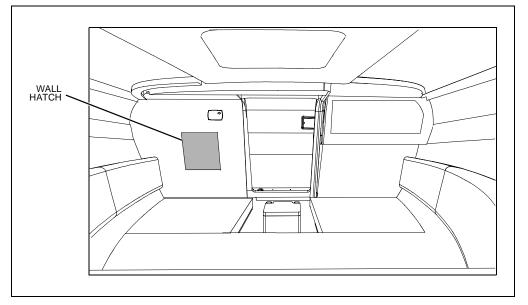


• One is located next to the cockpit sink.



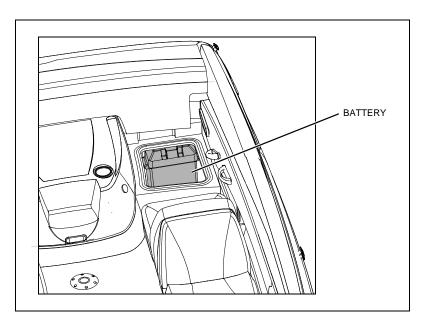
12-Volt DC Fuse Block:

- Located behind the helm.
- Access through the hatch on the starboard aft wall in the v-berth.

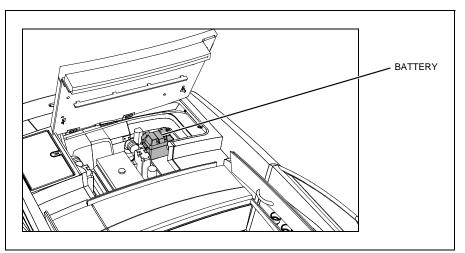


Battery:

• **Standard Seating:** Located under the port jump seat.

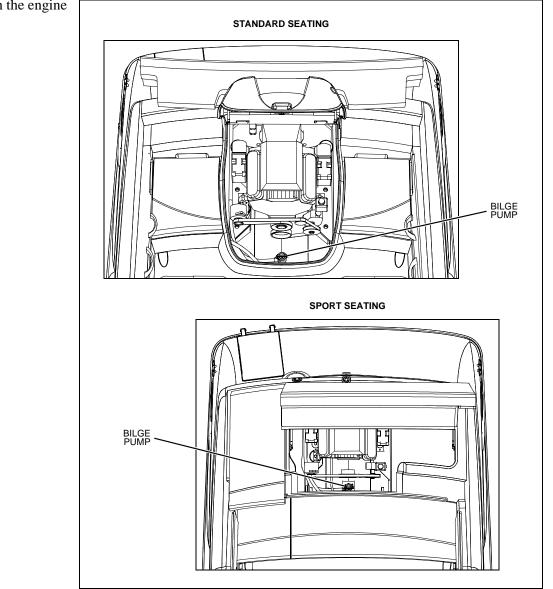


• **Sport Seating:** Located on the port side of the engine compartment.

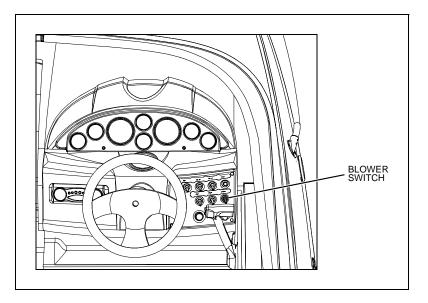




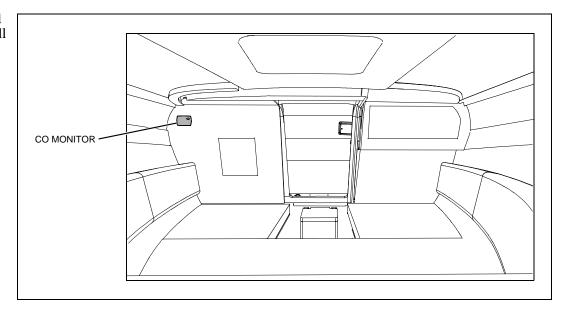
Bilge Pump: Located in the engine compartment bilge.



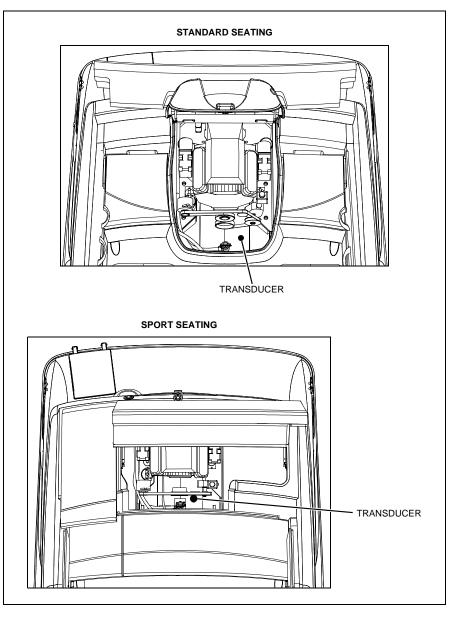
Blower Switch: Located on the helm switch panel.



CO Monitor: Located on the starboard aft wall in the v-berth.



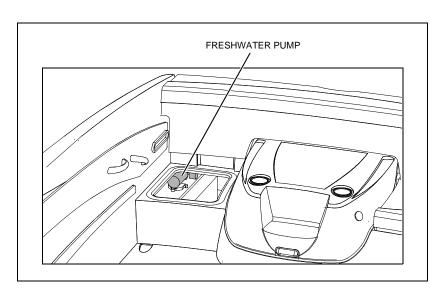
Depth Finder Transducer: Located in the engine compartment bilge, forward of the engine.



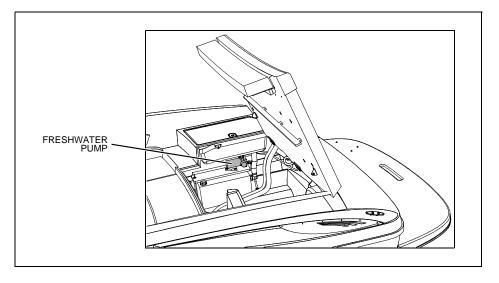


Freshwater Pump (If Equipped):

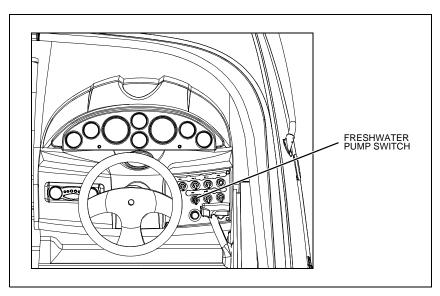
• **Standard Seating:** Located under the starboard jump seat.



• **Sport Seating:** Located on the starboard side of the engine compartment.

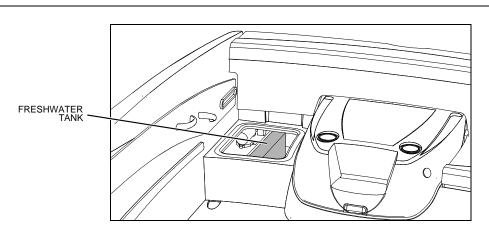


Freshwater Pump Switch (If Equipped): Located on the helm switch panel.

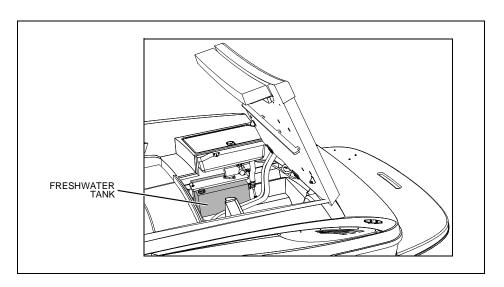


Freshwater Tank (If Equipped):

• **Standard Seating:** Located under the starboard jump seat.



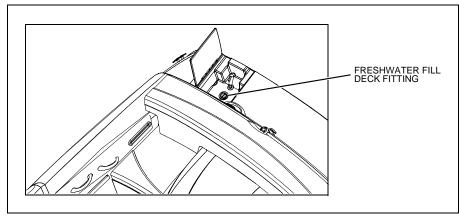
• **Sport Seating:** Located on the starboard side of the engine compartment.



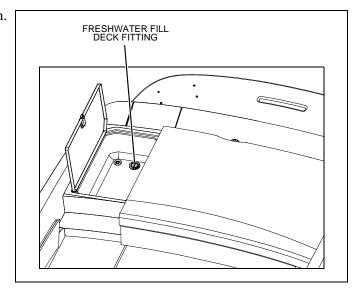


Freshwater Fill Deck Fitting (marked WATER) (If Equipped):

• **Standard Seating:** Located in the starboard transom hatch.

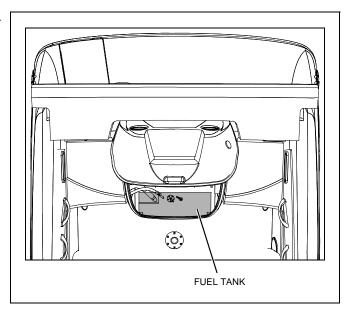


• **Sport Seating:** Located in the starboard aft deck hatch.

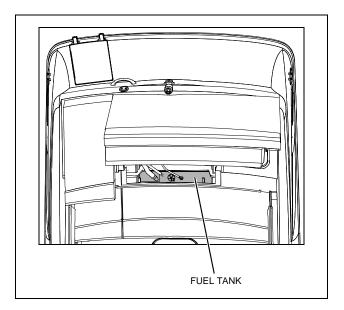


Fuel Tank:

• Standard Seating: Located in the engine compartment.



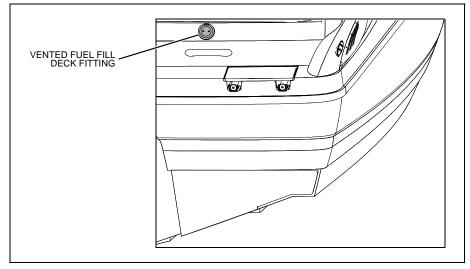
• Sport Seating: Located in the engine compartment.



BAYLINER

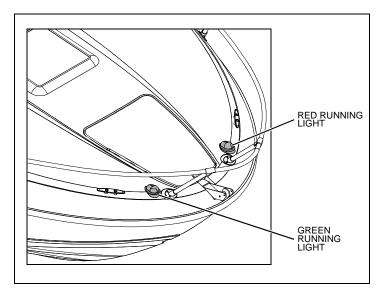
Fuel Fill Deck Fitting (marked GAS): Located on the starboard aft deck, above the swim platform.

22

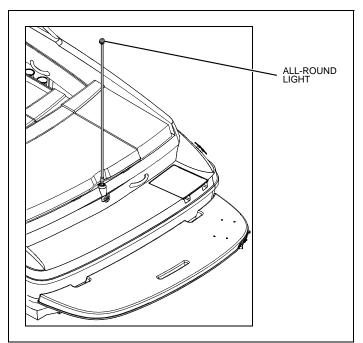


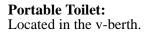
Navigation Lights:

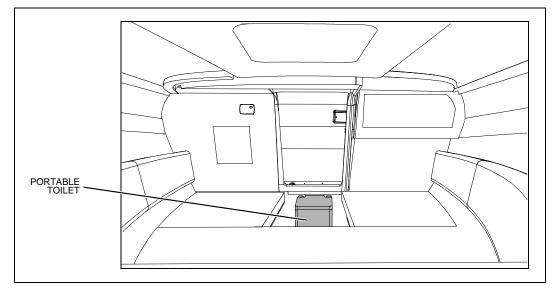
• Red and green running lights at the bow.



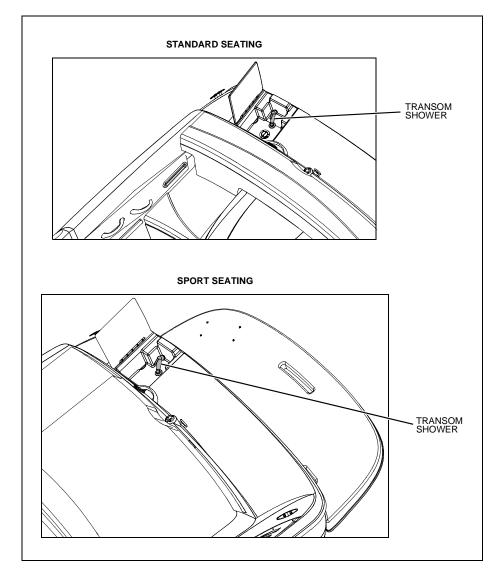
• White all-round light on the aft deck.





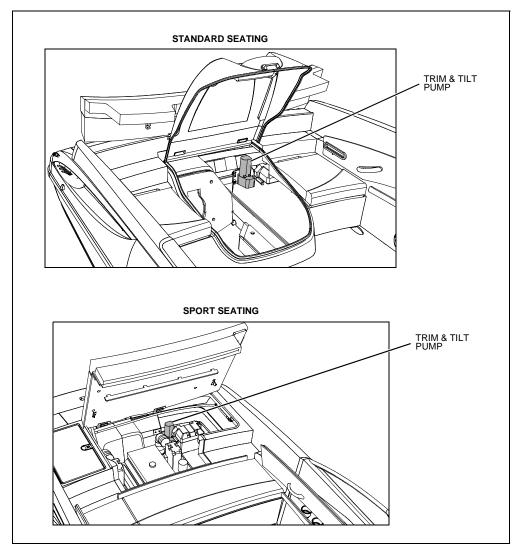


Transom Shower (If Equipped): Located in the starboard transom hatch.





Trim & Tilt Pump: Located on the port side of the engine compartment.

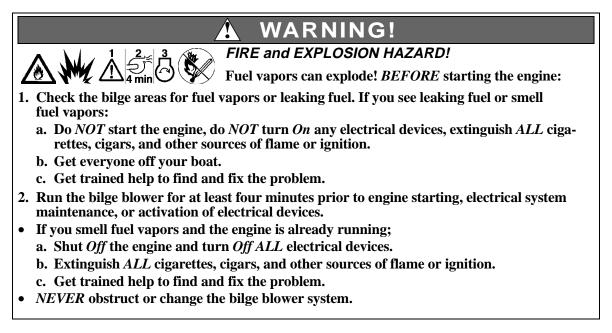


Chapter 3: Propulsion & Related Systems

Engine

Read the engine operation and maintenance manuals *before* starting or working on the engine.

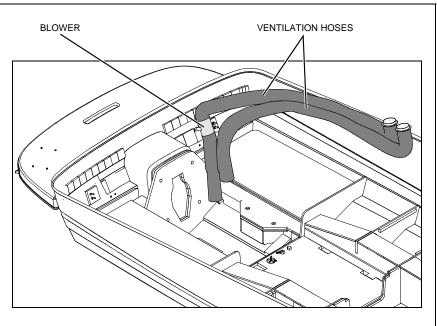
Bilge Blower System



- The bilge blower system removes explosive fumes from the engine and bilge areas.
- Fresh air is drawn into the engine and bilge areas through the vents.

To make sure the engine and bilge areas are properly ventilated:

- Use the "sniff test" to check the engine and bilge areas for fuel vapors *before* starting the engine.
- *Always* run the bilge blower for at least four minutes *before* starting the engine.
- Continue to run the blower until your boat has reached cruising speed.
- *Always* run the blower when running your boat below cruising speed.





Fuel System

WARNING!

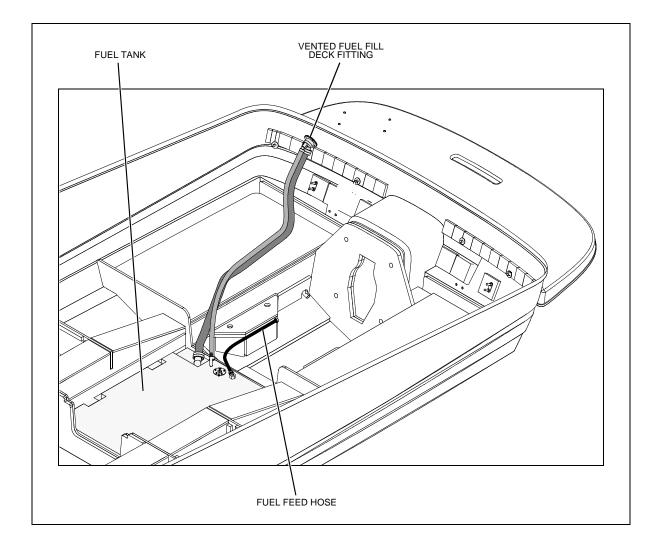
FIRE, EXPLOSION, and OPEN FLAME HAZARD!

- It is very important that the fuel system be inspected thoroughly the first time it is filled and at each subsequent filling.
- The fueling instructions in the *Sport Boat Owner's Manual* and the fuel recommendations in the engine operation manual *MUST* be followed.

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

NOTICE

Carefully read the fuel section of both the *Sport Boat Owner's Manual* and the engine operation manual, paying special attention to the subject of *fuel recommendations*.



Fuel Fill & Vent

- The fuel fill deck fitting is marked GAS.
- If you have problems filling the fuel tank, see if the fuel fill hose or fuel tank 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.
- Also, 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.
- Talk to your selling dealer or local marina about fuel additives that help 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, *ONLY* change or replace it while the engine is *Off*.
- *NEVER* run the engine with the anti-siphon valve removed, except in an emergency.
- The anti-siphon valve is a vital fuel system part.
- If the fuel line ruptures, this valve will prevent the fuel from siphoning from the tank.
- The valve is located on the fuel tank, where the fuel feed line attaches to the tank.
- The valve is spring loaded and is opened by fuel pump vacuum.



Quick Oil Drain System

The quick oil drain hose assembly was attached to the engine oil pan at the factory. However, some minor assembly is still needed *before* you can use this system.

NOTE: This is not the only method for changing your oil. Your selling dealer can recommend other methods.

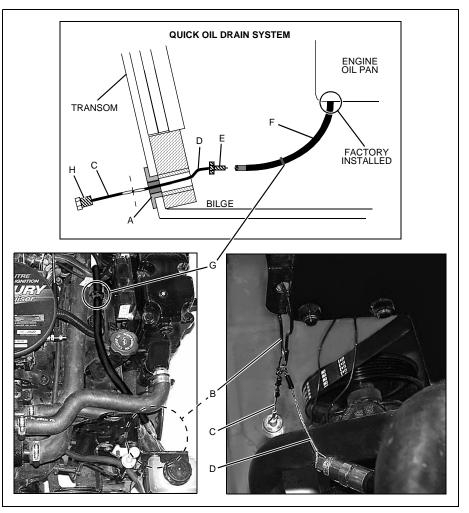
How to install the quick oil drain system:

- 1. Unscrew the factory installed bilge plug from the bilge drain (A). **NOTE:** Keep the original factory bilge plug on your boat as a spare.
- 2. Unclip the quick oil drain assembly from the wire loop (B) on the engine.
- 3. Unclip the bilge plug's draw cord (C) from the oil drain plug's draw cord (D).
- Thread the oil drain plug's draw cord (D) through the bilge drain (A).
- 5. Pull the oil drain plug (E), and the oil drain hose (F) through the bilge drain.
- 6. Adjust the hose stop clamp (G) so that no more than 12 inches of hose, including the oil drain plug, can extend out of the bilge drain (A).
- Clip the bilge plug's draw cord (C) back to the oil drain plug's draw cord (D).
- 8. Push the oil drain hose, oil drain plug, and both draw cords through the bilge drain and into the bilge area.
- 9. Screw the bilge plug (H) into the bilge drain (A) and tighten firmly.

To drain the engine oil:

- 1. Remove your boat from the water.
- 2. Unscrew the bilge plug.
- 3. Pull the draw cord until the oil drain plug and the oil drain hose slide out of the bilge 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 bilge plug and tighten firmly.

Always dispose of waste oil in accordance with local regulations.



Chapter 4: Controls & Gauges

Steering

- Your boat features a power-assisted* rack-and-pinion steering system.
- For information about the power-assist fluid reservoir, refer to the engine operation and maintenance manual.
- Boat steering is *not* self-centering.
- Refer to the engine manual for more steering system details.

*3.0L engines feature mechanical rack-and-pinion steering.

Shift/Throttle Controls



Read *all* of the information about the shift/throttle controls in the shift/throttle manual, the engine operation manual, and the *Sport Boat Owner's Manual*.

Power Trim & 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 shift/throttle manual.



Gauges

Cleaning the Gauges

▲ CAUTION

PRODUCT or PROPERTY DAMAGE HAZARD!

- Use only mild soap and water to clean the gauge lenses and bezels.
- Use of other cleaners, including common window cleaning solutions, may cause the lenses to crack.
- Lenses cracked in this manner will NOT be covered by our warranty.

Gauge Fogging

- Moisture may occasionally find its way into the gauges causing lens fogging.
- Turning *On* the gauge lights will help dry the lenses.
- Fogging will not harm the gauges.

Radio Transmission Interference

VHF or other radio transmissions may cause brief erratic readings on the tachometer. This will not damage the tachometer gauge or affect its accuracy when not transmitting.

Fuel Gauge

It is normal for the pointer on your fuel gauge to bounce as fuel sloshes back and forth in the fuel tank.

Compass (If Equipped)

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 the helm.

Depth Finder (If Equipped)

🛕 WARNING!

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



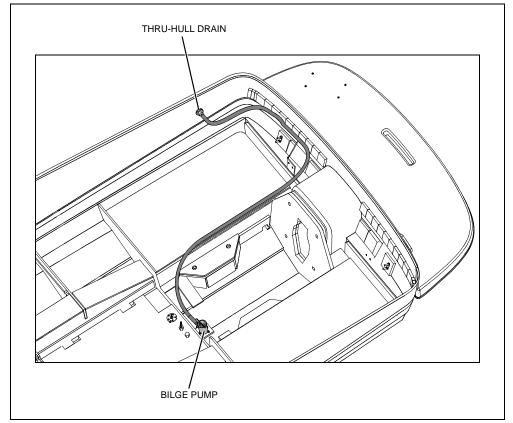
Chapter 5: Plumbing

Bilge Pump

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 has a bilge pump for pumping water out of the bilge.
- The bilge pump is controlled by a switch at the helm.

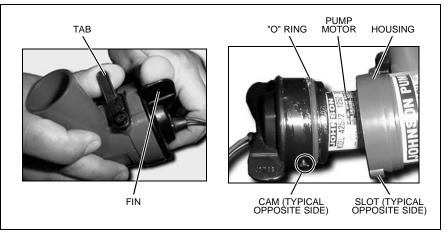


Bilge Pump Testing

- The bilge pump is vital to the safety of your boat.
- Test the bilge pump often.
- 1. Turn *On* the bilge pump switch at the helm.
- 2. Make sure that water in the 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 the discharge hose looks okay, check the bilge pump housing for clogging debris (see below).

Checking for clogging debris:

- 1. Remove the pump motor from the housing:
 - a. Lift the tab while rotating the fins counter-clockwise.
 - b. Lift out the pump motor.
 - c. Clear the housing of debris.
- 2. Reinstall the pump motor:
 - a. Make sure the "O" ring is properly seated.
 - b. Coat the "O" ring with a light film of vegetable or mineral oil.
 - c. Align the cams on either side of the pump motor with the slots on the housing.



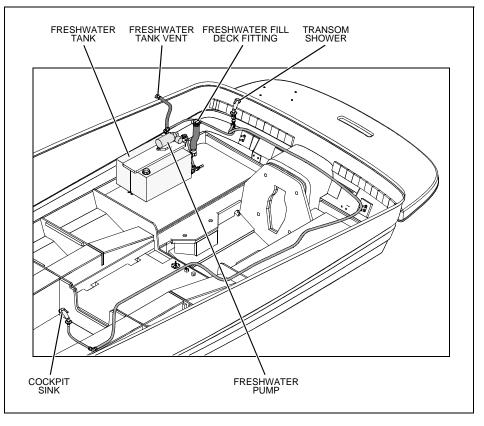
- d. Press the pump motor into the housing while twisting clockwise.
- 3. Check the reinstallation by trying to twist the fins counter-clockwise *without* lifting the tab; the pump motor should stay in place.



Freshwater System (If Equipped)

WARNING! Â

- ONLY use safe drinking (potable) water in your boat's freshwater system. •
- ONLY use FDA approved "drinking water safe" hoses when filling the freshwater tank. •
- NEVER use common garden hoses for drinking water.
- Read the *Freshwater System* • section in the Sport Boat Owner's Manual.
- The freshwater fill deck fitting is marked WATER.
- Pressurize the freshwater system by either turning **On** the freshwater pump switch (the battery switch must also be **On**).
- For the location of the freshwater pump switch, see the Component Locations section in *Chapter 2* of this *supplement*.
- Always turn Off the city water supply on the dock before leaving your boat unattended.
- Turn *Off* the freshwater pump switch when your boat is *not* in use or when the freshwater tank is empty.
- Inspect and clean the freshwater filter often (the filter is located on the freshwater pump).
- If your boat is to be left unat-. tended for a long period of time, pump the freshwater 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

- 1. Turn *Off* the water heater breaker switch. **NOTE:** *Tag* or *Mark* the water heater breaker switch to prevent it from being turned *On* while the water heater tank is empty.
- 2. Turn **On** the freshwater pump switch.
- 3. Open all of the faucets and showers and let the freshwater system drain completely.
- 4. Turn *Off* the freshwater pump switch.

All of the 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

FRESHWATER SYSTEM DAMAGE HAZARD!

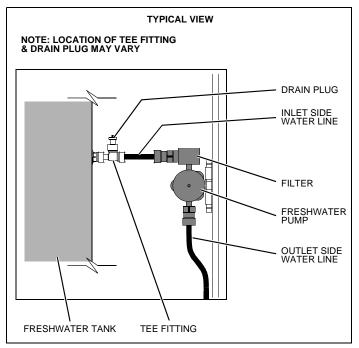
- A faucet *MUST* be *Open* when compressed air is blown through the freshwater system.
- *NEVER* blow compressed air through the water system when *ALL* of the faucets are *Closed*.

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 freshwater pump (opposite side from filter).
- 2. *Open* the faucet that is furthest away from the freshwater 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 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 and the water lines, replace the drain plug.



Drain Systems

Deck Drains

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

Gray Water Gravity Drains

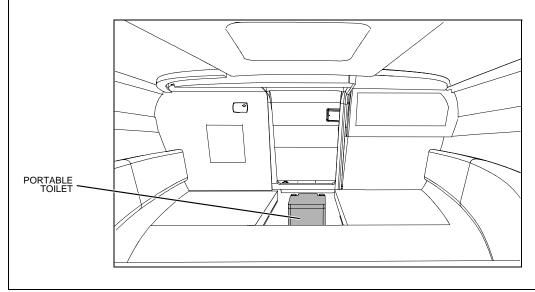
The cockpit sink drain is above the waterline and are gravity drained overboard.

Portable Toilet

NOTICE

Check with local authorities for regulations regarding the legal use of marine head systems.

Read the manufacturer's operating instructions *before* using the portable toilet.



Cleats & Bow/Stern Eyes

WARNING!

PERSONAL INJURY and/or PRODUCT or PROPERTY DAMAGE HAZARD!

NEVER lift your boat using the bow/stern eyes or the cleats.

Read the section on towing in the Sport Boat Owner's Manual before:

- Towing anything behind your boat.
- Being towed by another vessel.

Ski-Tow Ring

WARNING!

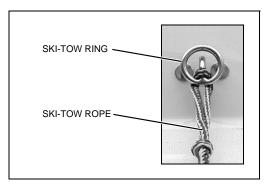
PERSONAL INJURY and/or PRODUCT or PROPERTY DAMAGE HAZARD!

Failure to follow these guidelines can result in injury or death:

Â

- ONLY tow water skis, wakeboards, or recreational towables.
- Do NOT tow parasails, kites, or other boats.
- Do *NOT* tow more than two persons at one time.
- Use caution with skier in tow as tow rope may snap back into cockpit when released.

Attach the tow rope as shown in the photo.





Canvas & Vinyl Tops & Enclosures

CAUTION

PRODUCT or PROPERTY DAMAGE HAZARD!

Take down and securely stow ALL canvas & vinyl BEFORE your boat is transported by road.

NOTICE

BEFORE cleaning and/or stowing your canvas or vinyl, read the sections later in this chapter, *Canvas Care* and *Vinyl Care*.

NOTICE

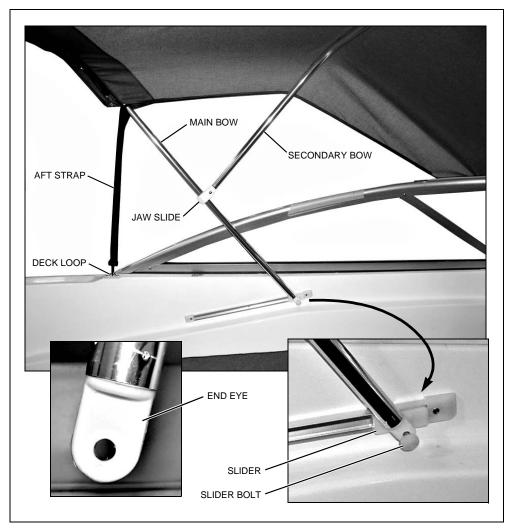
Two people are needed for most of the tasks listed in this section.

NOTICE

Some canvas and vinyl options may not be described. Make sure your dealer explains how to install all canvas and vinyl.

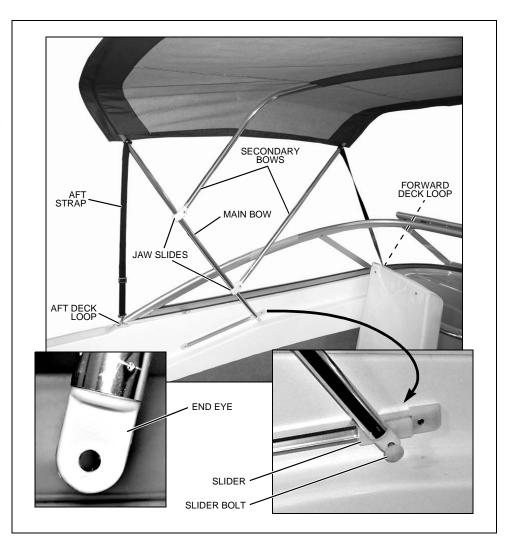
Convertible Top

- 1. On each side, unscrew the slider bolt from the slider.
- 2. Thread the slider bolts through the end eyes of the main bow and screw the bolts back into the sliders.
- 3. Pull the canvas top and the secondary bow forward.
- 4. Snap the canvas to the windshield frame.
- 5. Hook the aft straps to the deck loops.
- 6. Adjust the sliders and the aft straps until the canvas is smooth and taut.
- The jaw slides should not need to be adjusted.
- If you decide to adjust the jaw slide positions, get the correct measurements from your selling dealer.



Bimini Top (If Equipped)

- 1. On each side, unscrew the slider bolt from the slider.
- 2. Thread the slider bolts through the end eyes of the main bow and screw the bolts back into the sliders.
- 3. Hook the aft straps to the aft deck loops.
- 4. Pull the canvas top and the secondary bows forward.
- 5. Hook the forward straps to the forward deck loops.
- 6. Adjust the sliders and the straps until the canvas is smooth and taut.
- The jaw slides should not need to be adjusted.
- If you decide to adjust the jaw slide positions, get the correct measurements from your selling dealer.





Vinyl Curtains (If Equipped)

NOTICE

When taking down the vinyl curtains, avoid socket/stud problems by using the following method to unfasten the curtain sockets from the studs on the convertible top:

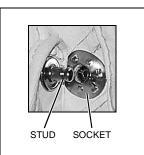
• Grasp the edge of the curtain just below each socket and roll the edge upwards. The socket should pop off easily.

Side Curtains

- 1. Snap the side curtain to the convertible top.
- 2. At the upper aft corner, press the side curtain's stud into the convertible top's socket.
- 3. Snap the side curtain to the windshield frame and deck.
- 4. Repeat steps one through three on the other side.

Aft Curtain

- 1. Partially zip the aft curtain to the convertible top.
- 2. Starting with the center aft curtain snaps work your way to each side snapping the aft curtain to the deck.
- 3. Finish zipping the zippers.



Canvas Care (see also 'Clear Vinyl Care' on next page)

- After each use, especially in saltwater, rinse the canvas with cold freshwater.
- *Before* stowing, let the canvas air-dry completely.
- The canvas can be rolled or folded for stowage.

Cleaning the Canvas

NEVER use detergents when washing the canvas. Detergents can destroy the water repellency, and mildew/UV resistant finish of your canvas.

Regularly clean the canvas to prevent dirt, pollen, and etc. from embedding in the fabric. Generally, it is easiest to wash the canvas while it is installed on your boat.

- Use a soft-bristled brush to remove all dust and loose dirt.
- 1. Hose down the canvas with freshwater.
- 2. Gently wash the canvas with a solution of lukewarm water (no more than 100° F) and non-detergent soap, such as Lux or Ivory Flakes.
- 3. Rinse thoroughly to remove the soap.
- 4. *Before* stowing, let the canvas dry completely.

Stubborn Stains

CAUTION

- Soaking in bleach solutions may remove the waterproof finish of the fabric and may also decrease the life of the polyester thread used in the canvas.
- If needed, a water repellent treatment should be reapplied to your canvas. Ask your dealer about the treatments available for your boat's canvas.

Some stubborn stains may resist normal washing and you can try the methods below. However, these methods may remove the waterproof finish of the fabric and may also decrease the life of the polyester thread used in the canvas. Reapply a water repellent treatment as needed.

Method 1

- 1. Add 1/8 cup (2 oz.) of **non-chlorine** bleach to one gallon of water and mix thoroughly.
- 2. Thoroughly wet the canvas and then gently scrub the stained area with the weak bleach solution.
- 3. Rinse with cold water to remove all of the solution.

Method 2

- 1. Add 1/2 cup (4 oz.) of **non-chlorine** bleach and 1/2 cup (4 oz.) Ivory Flakes to one gallon of water and mix thoroughly.
- 2. Soak the canvas in this solution for about 20 minutes.
- 3. Rinse with cold water to remove all of the solution.



Clear Vinyl Care



- *NEVER* store the clear vinyl pieces wet, as this will cause a milky film to develop.
- NEVER fold or crease the clear vinyl pieces as cracking will occur.
- Clear vinyl is NOT intended for use when your boat is in storage or being moored.
- Clear vinyl does NOT hold up well against ultraviolet rays.
- Under direct sunlight conditions, do *NOT* let the clear vinyl touch the framework. The
- framework radiates heat and can burn the clear vinyl.
- After each use, especially in saltwater, rinse the clear vinyl with cold freshwater.
- *Before* stowing, the clear vinyl must be completely dry. Air-drying is best, but you can also carefully dry the vinyl with a chamois or soft cotton cloth.
- The clear vinyl can be rolled or laid out flat for stowage.
- *Never* fold or crease the clear vinyl parts as cracking will occur.

Cleaning Clear Vinyl

Regularly clean the clear vinyl to prevent dirt, pollen, and etc. from marring the surface. Generally, it is easiest to clean the clear vinyl while it is installed on your boat.

- 1. Hose down the clear vinyl with freshwater.
- 2. Using a soft cotton cloth (paper towels are abrasive and should *never* be used on clear vinyl), gently wash the clear vinyl with soap and water.
- <complex-block>
- 3. Rinse thoroughly to remove the soap.
- 4. *Before* stowing, the clear vinyl must be completely dry. Air-drying is best, but you can also carefully dry the vinyl with a chamois or soft cotton cloth.
- Ask your dealer about products available to keep the clear vinyl polished and looking new.

Audio Equipment

NOTICE

AM radio reception may be impaired when the engine is running.

Read the manufacturer's instruction manual *before* using the audio equipment.

Chapter 8: Convertible Seats, Beds, & Tables

Sleeper Seats (If Equipped)

- The sleeper seats can be adjusted fore and aft in the upright, operating position.
- The seat bottoms adjust into backrests when the seats are in the lounge position.

Operating Positions

To slide the seat forward:

- 1. Lift the forward seat at point (A).
- 2. Push down on the forward seat at point (B) and pull the seat forward.
- 3. Lock the forward seat into the desired position by pushing down at point (A).
- 4. Lift the aft seat at point (C).
- 5. Push down on the aft seat at point (D) and push the seat forward until the aft seat-back is flush against the forward seat-back.
- 6. Lock the aft seat into position by pushing down at point (C).

To slide the seat aft, repeat the steps above, but start with the aft seat.

Lounge Positions

To adjust into the flat lounge position:

- 1. Lift the forward seat at point (A).
- 2. Push down on the forward seat at point (B) and pull the seat forward until the seat-back and bottom are flat.
- 3. Lift the aft seat at point (C).

BAULINER

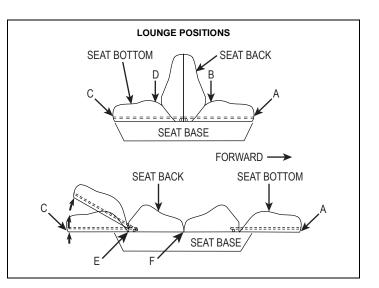
4. Push down on the aft seat at point (D) and pull the seat aft until the seat-back and bottom are flat.

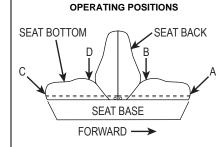
To adjust into the chaise lounge position:

- 1. Lift the forward or aft seat bottom at point (A or C) and push the seat bottom down into the locked position.
- 2. To lower the seat bottom, lift the seat at point (A or C). Drop the seat bottom flat while holding the seat down at point (E).

To return the seats to the operating position:

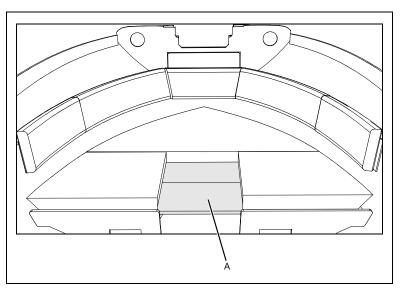
- 1. Lift the seat-backs at point (F) and push down on the back edge of the seat bottom (B) and then seat bottom (D).
- 2. Push the seat bottoms towards the center of the seat until the seat-backs are flush against each other and locked into place.



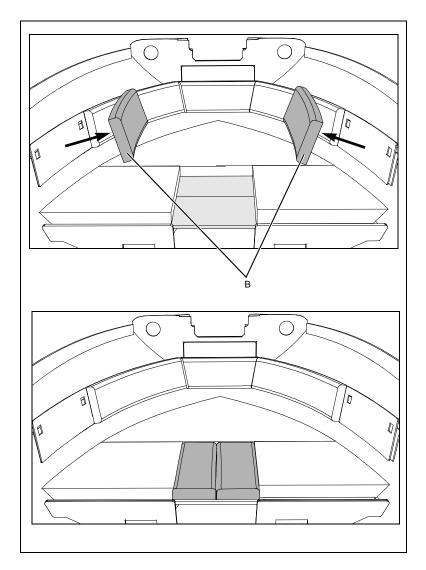


V-berth Conversion

1. Place the filler boards (A) so that they fit securely on the edge lips at the front of the v-berth cushions.



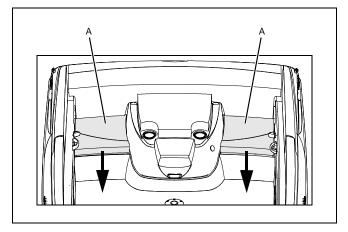
2. Remove the aft seat-back cushions (B) and place them on top of the filler boards.



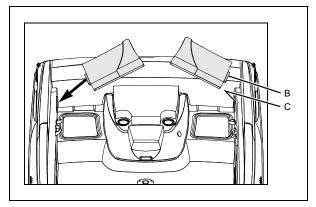
Jump Seat to Sunlounge Conversion



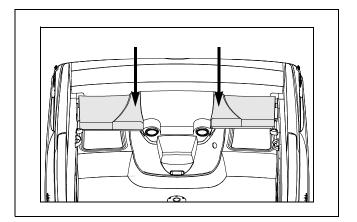
1. Remove the jump seats (A) by sliding them forward.



2. Slide the lounge support inserts (B) into the lounge support slots (C).



3. Firmly press down on the inboard side of each jump seat until they rest firmly on the motorbox ledges.



Chapter 9: Lights

Care & 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*.

Interior & Exterior Lights

- 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 your boat's 12-volt DC system.
- The battery switch *must* be turned *On* for the lights to work.

Navigation Lights

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

NOTICE

Running lights are legally required to show boat direction and right-of-way at night.



Chapter 10: Electrical System

DANGER!

EXTREME FIRE, SHOCK and EXPLOSION HAZARD!

- To minimize the risks of fire and explosion, *NEVER* install knife switches or other arcing devices in the fuel compartment.
- *NEVER* substitute automotive parts for marine parts. Marine 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.

WARNING!

FIRE and EXPLOSION HAZARD!

Fuel vapors can explode! *BEFORE* electrical system maintenance or activation of electrical devices:

- 1. Check the bilge areas for fuel vapors or leaking fuel. If you see leaking fuel or smell fuel vapors:
 - a. Do *NOT* start the engine, do *NOT* turn *On* any electrical devices, extinguish *ALL* cigarettes, cigars, and other sources of flame or ignition.
 - b. Get everyone off your boat.
 - c. Get trained help to find and fix the problem.
- 2. Run the bilge blower(s) for at least four minutes prior to engine starting, electrical system maintenance, or activation of electrical devices.

SHOCK and ELECTRICAL SYSTEM DAMAGE HAZARD!

When the engine is running, *NEVER* disconnect the battery cables. Doing so could cause damage to your boat's engine and/or electrical system.

NOTICE

Electrical connections are prone to corrosion. To reduce corrosion-caused electrical problems:

- Keep ALL electrical connections clean.
- Apply a spray-on protectant that is designed to protect connections from corrosion.

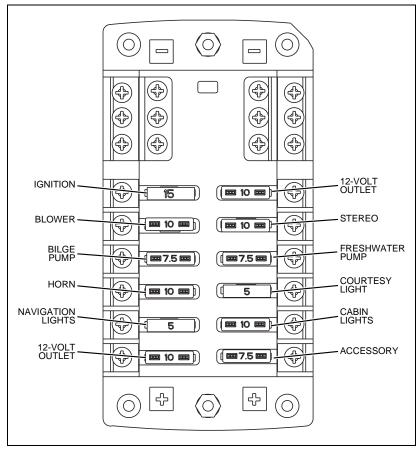
12-Volt DC System

Battery

- The battery supplies electricity for lights, 12-volt accessories and engine starting.
- The *Electrical* section of *Chapter 8* in the *Sport Boat Owner's Manual* provides battery care and maintenance instructions.

Fuses

- Fuses for the engine and main accessory power are on the fuse block under the helm dash.
- Some equipment may have secondary fuse protection at the unit, or at the battery.



12-Volt DC Accessory Outlet

Do NOT use the 12-volt DC accessory outlet with a cigarette or cigar lighter. High temperatures may melt the outlet.

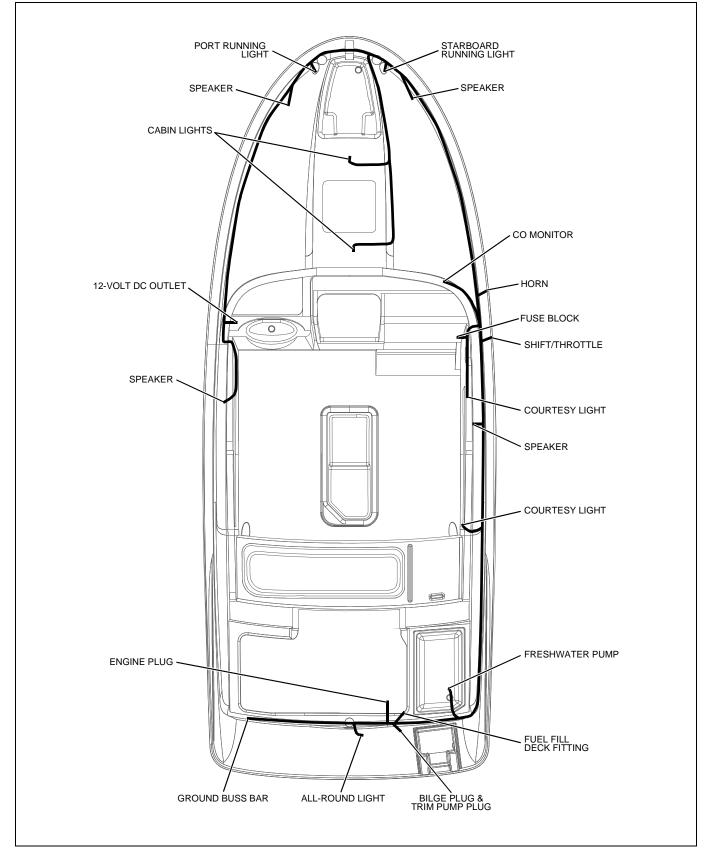
- The 12-volt DC accessory outlet can be used with any 12-volt device which draws 10-amps or less.
- The 12-volt DC accessory outlet is protected by a 10-amp fuse on the fuse block.
- For the location of the 12-volt DC accessory outlet, see the *Component Locations* section in *Chapter 2* of this *supplement*.

Alternator

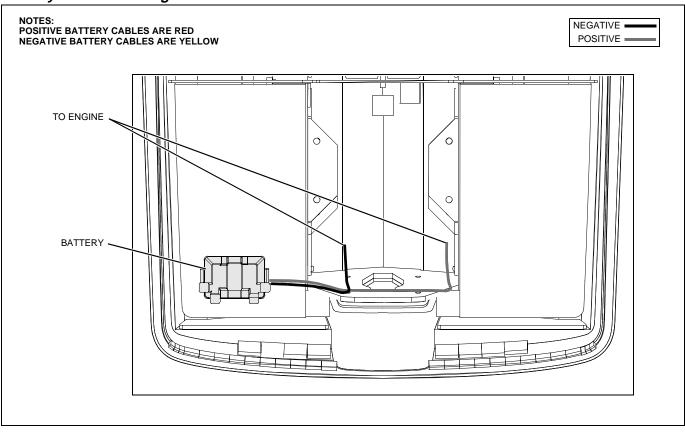
The alternator will keep the battery properly charged when the engine is running at, or above, cruising speeds.

Electrical Routings

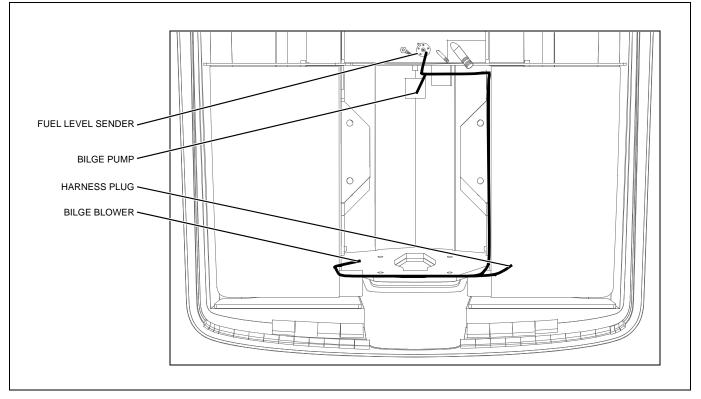
12-Volt DC Deck Harnesses



Battery Cable Routing

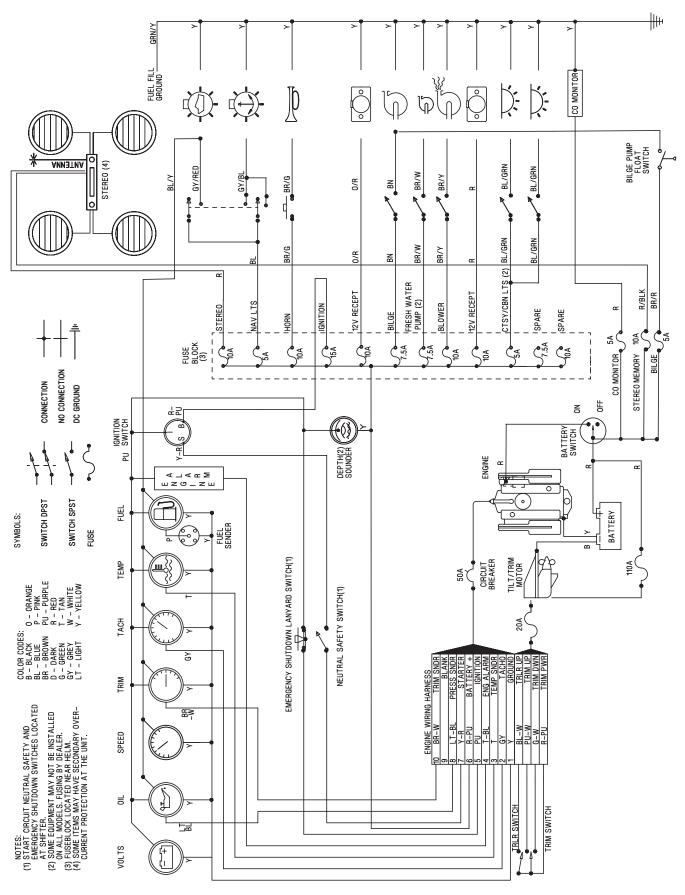


110-Volt AC Hull Harness





Wiring Diagram



Important Records

Selling Dealer	Key Numbers	
Name Of Dealership	Ignition	Other
Address	_	
Phone/FAX/E-mail	 Electronics 	
Sales Manager	Manufacturer	Model Name/Number
Service Manager	Seria	al Number
Engine	Manufacturer	Model Name/Number
Manufacturer Model Name/Number	Seria	al Number
Engine Serial Number	Manufacturer	Model Name/Number
	Seria	al Number
Propeller		
Manufacturer Pitch	Manufacturer	Model Name/Number
Model Number	Seria	al Number
	Manufacturer	Model Name/Number
	Seria	al 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

	istration/Documentation N	umber		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
perator of	Boat	-		Full Name	
				i ui Name	
	Full Name	<u>_</u>	Age	Health	Phone Number
Male or Female		Health	Age		Phone Number
Male or Female	Full Name	Health	Age		Phone Number
Male or Female		Health	Age	Health	Phone Number
Male or Female	Age	Health	Age	Health	Phone Number
Male or Female	Age	Health		Health Full Name	
Male or Female	Age Address Address	Health		Health Full Name	
Male or Female	Age Address	Health		Health Full Name Health	

Persons Onboard



Survival Equipment

Trip Expectations

Marine Radio (Yes/No)	Туре	Frequencies	Departing From	
Number of PFDs	Flares (Yes/No)	Mirror (Yes/No)	Departure Date	Departure Time
Smoke Signals (Yes/No)	Flashlight (Yes/No)	Food (Yes/No)	Stop	over 1
			Otop	
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		
Other	Other	Other	Stope	over 2
			Arrive No Later Than: Date	Arrive No Later Than: Time
Vehicle Desc	cription		Stop	over 3
			Зюр	iver 5
Make		Model	Arrive No Later Than: Date	Arrive No Later Than: Time
Color		License Number		
		10	Stope	over 4
V	/here is the Vehicle Parked	1?	Arrive No Later Than: Date	Arrive No Later Than: Time
			Anve no Ealer man. Date	Anve to Later than. This
			Stopover 5	
			Arrive No Later Than: Date	Arrive No Later Than: Time
			Stopover 6	
			Arrive No Later Than: Date	Arrive No Later Than: Time
			Final Destination Port (If 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	and time listed above, call local authority.
			Coast Guard I	Phone Number

Local Authority Phone Number

Part Number 1816135

Bayliner • P.O. Box 9029 • Everett, WA 98206 • 360-435-5571