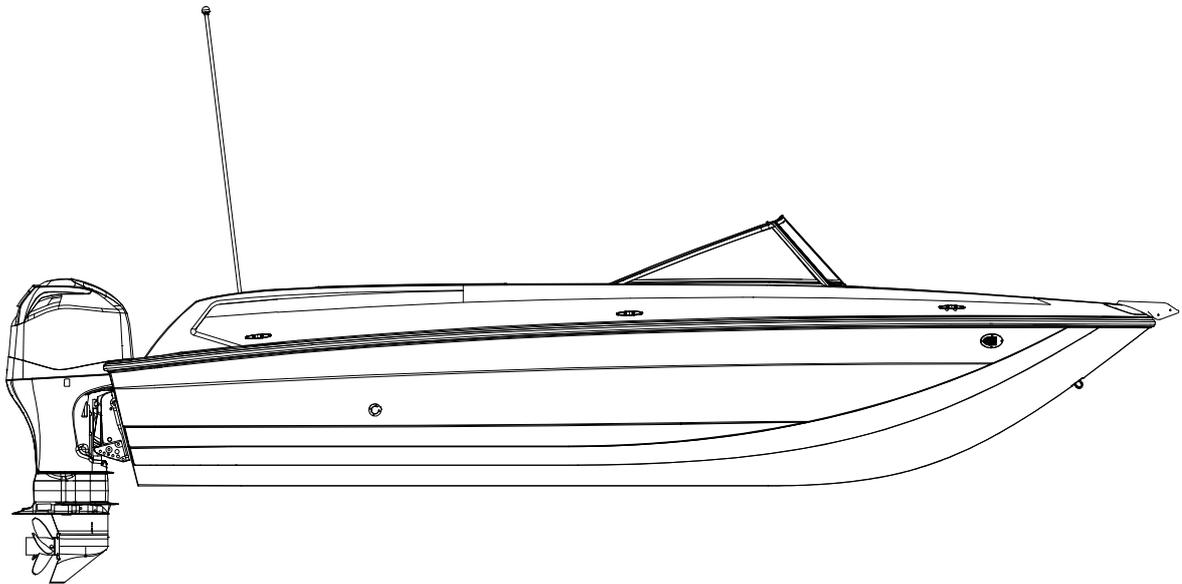


BAYLINER®

E21/E7

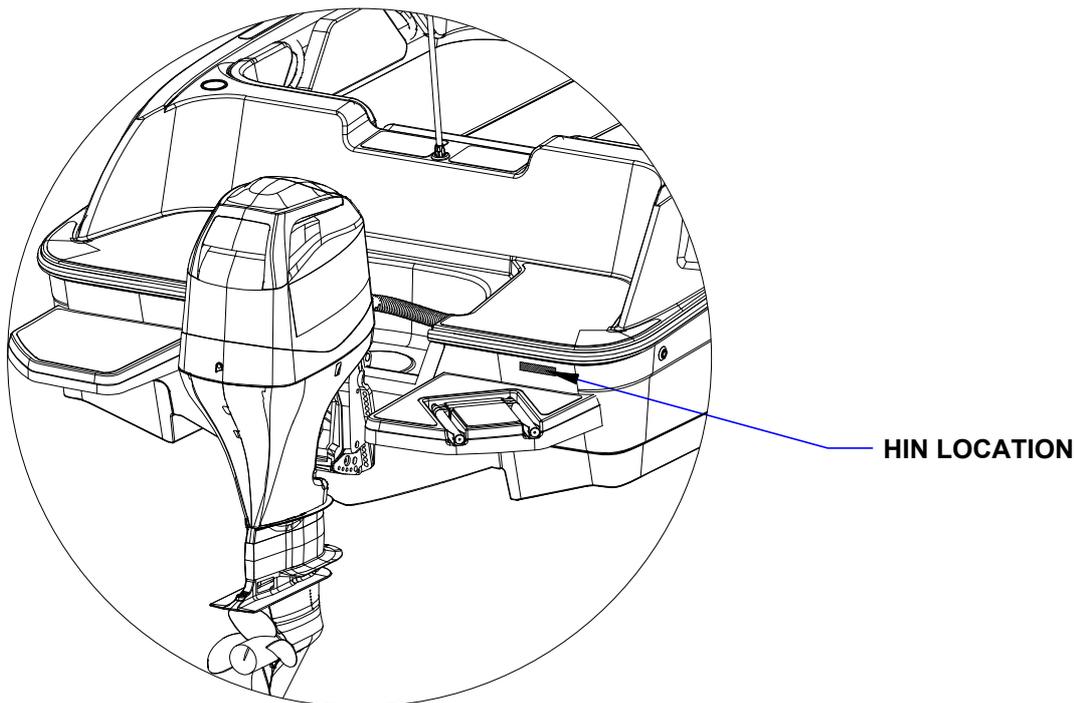


Owner's Manual

Engine Serial Number: _____
Hull Identification Number: _____

Hull Identification Number

- The Hull Identification Number (HIN) is located just below the deck gunnel at the starboard aft corner of the boat.
- Record the HIN (and the engine serial number) 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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Hazard Boxes & Symbols

The hazard boxes and symbols shown below are used throughout this supplement to draw 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**

DANGER - Immediate hazards which **WILL** result in severe personal injury or death if the warning is ignored

 **WARNING**

WARNING - Hazards or unsafe practices which **MAY** result in severe personal injury or death if the warning is ignored.

 **CAUTION**

CAUTION - Hazards or unsafe practices which **COULD** result in minor injury, product or property damage if the warning is ignored.

NOTICE

Information which is important to proper operation or maintenance, 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 *Sport Boat Owner's Manual*.

- The *Sport Boat Owner's Manual* contains general information about safe operating practices, general boating regulations, and general maintenance techniques.
- Before using your boat, study this *Owner's Manual Supplement*, the *Sport Boat Owner's Manual*, and all engine and accessory literature carefully. If similar instructions are found in more than one manual, always refer actual to the manufacturer's manual (such as the engine manual) for the most complete and accurate information.
- Keep this *Owner's Manual Supplement* and the *Sport Boat Owner's Manual* on your boat in a secure, yet readily available place.

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: 865-971-6311.
- Bayliner advises that all rigging, installation and prep work on any Bayliner product be done by an authorized dealer at the authorized dealer's location.
- Buy replacement parts from any authorized Bayliner dealer.
- You can access additional information by logging on to <http://www.bayliner.com>.

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 865-971-6311 for a copy.

Boating Experience



WARNING

CONTROL HAZARD!

An experienced 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 United States Power Squadrons® or the United States 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 www.usps.org
- U.S. Coast Guard Auxiliary: 1-800-368-5647 or www.cgaux.org
- In Canada, for CPS courses: 1-888-CPS-BOAT

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

Manufacturer's Certification

As a boat manufacturer, Bayliner builds their products to guidelines established under the Federal Boat Safety Act of 1971. The Act is promulgated by the United States Coast Guard who has authority to enforce these laws on boat manufacturers that sell products in the United States. Bayliner ensures that all of its products comply with these laws.

The National Marine Manufacturers Association (NMMA) provides Bayliner with a third party certification. The NMMA is an organization that represents the marine industry and assists manufacturers, boat dealers, marinas, repair yards and component suppliers in areas of legislation, environmental concerns, marine business growth and state and federal government agency interaction. The third party certification that Bayliner participates in, uses the well known Standards and Recommended Practices of the American Boat and Yacht Council (ABYC). Bayliner Boats cooperates with the American Boat and Yacht Council which is a nonprofit organization that develops and publishes voluntary standards and recommended practices for boat and equipment design, construction, service and repair. We apply all relevant ABYC standards in the construction of your Bayliner craft.

Finally, Bayliner sells their products world wide and as such must conform to rules and regulations required by other countries. Most notable, are the European ISO standards which require application of the Common European (CE) mark. This mark, much like the NMMA certification here in the US, gives you , the boat owner, with specific information concerning your craft.

International Requirements

Depending on your boat's original destination, the vessel and its systems may have been constructed in accordance with standards and specifications published by various international authorities such as:

- Construction Standards for Small Vessels - Canada
- Recreational Craft Directive and applicable ISO Standards - European Union
- AS/NZ 3004 Electrical Installations - Australia/New Zealand

Further information concerning these requirements may be obtained from your local dealer.

Engine & Accessory Guidelines & Literature

NOTICE

- Before starting or working on your engine(s), read the engine manual.
- Before using the accessories on your boat, read the accessory manuals.
- Before storing your boat, refer to your engine and accessory manuals for storage/winterization instructions.

NOTICE

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

- Your boat's engine and accessories were selected to provide optimum performance and service.
- Installing a different engine or adding accessories may affect your boat's running trim.
- If you choose to install a different engine or add accessories that may affect your boat's running trim, have a trained marine technician perform a safety inspection and handling test *before* using your boat again.
- The engine and accessories on your boat have their own manuals. Read these manuals *before* using the engine and accessories.

Unless otherwise noted, *all* engine and accessory literature referred to in this *supplement* is included in your owner's packet.

While the topics listed below may be included in this *supplement* and in the *Cruiser & Yacht Owner's Manual*, *always* refer to the engine manual first for specific information on these important subjects:

- | | |
|--------------------------------|--------------------------------|
| • Engine Break-in Procedure | • Fuel and Oil Recommendations |
| • Engine Starting and Stopping | • Engine Maintenance |
| • Gear Shifting | • Engine Storage/Winterization |

Propeller

CAUTION

ENGINE DAMAGE HAZARD!

The factory standard propeller may not be the best for your particular boat and load conditions. Refer to the engine manual 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
- 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.

Qualified Maintenance



WARNING

To maintain the safety of your boat, allow **ONLY** trained personnel to work on, or change, in any way, the following:

- Steering system
- Propulsion system
- Engine control system
- Fuel system
- Environmental control system
- Electrical system
- Navigation 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 yourself and others to the danger of bodily injury or accidental death.

Follow the maintenance instructions in:

- This *Owner's Manual Supplement*
- The *Sport Boat Owner's Manual*
- The engine owner's manual, and;
- *All accessory literature.*

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.

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

FALLING, ROTATING PROPELLER and CARBON MONOXIDE POISONING HAZARD!

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

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:

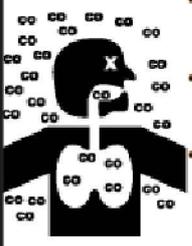
- Engine and generator exhaust
 - Engine and generator fuel, and other liquids such as coolants and oil, especially used motor oil
 - Cooking fuels
 - Cleaners, paints, and substances used for vessel repair
 - Waste materials that result from wear of vessel components
 - Lead from battery terminals and 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*, the engine owner's manual, and **all** accessory instructions for important safety standards and hazard information.

Carbon Monoxide (CO)


DANGER



- Carbon monoxide gas (CO) is colorless, odorless, tasteless, and extremely dangerous.
- ALL engines, generators, and fuel burning appliances produce CO as exhaust.
- Prolonged exposure to low concentrations or very quick exposure to high concentrations WILL cause BRAIN DAMAGE or DEATH.
- Teak surfing, dragging, or water skiing within 20 feet of a moving watercraft can be fatal.

CO Facts

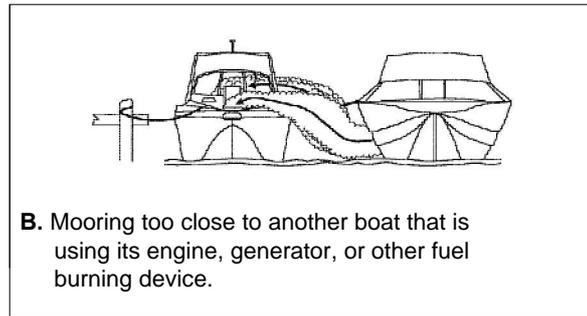
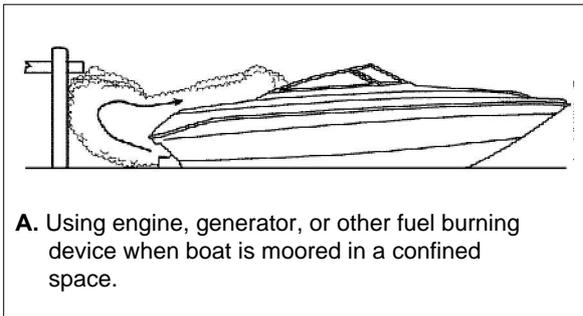
- CO poisoning causes a significant number of boating deaths each year.
- Called the "silent killer", CO is an extremely toxic, colorless, odorless and tasteless gas.
- CO can harm or even kill you inside or outside your boat.
- CO can affect you whether you're underway, moored, or anchored.
- CO symptoms 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

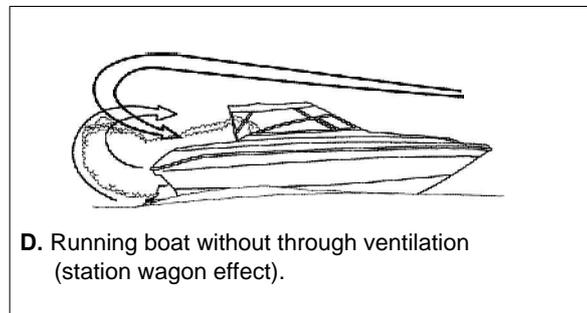
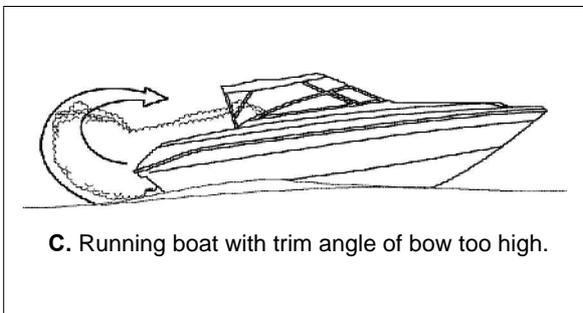
Stationary conditions that increase CO accumulations include:



To correct stationary situations A and/or B:

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

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 & 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 transom platform while the engine is running.
- **Never** enter the areas under transom 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.
- **Maintain the CO monitors that are installed 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.
- 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.

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 deteriorating sections. **All** rubber hoses should be pliable and free of kinks.

Annual Checklist

Have a Trained 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).

More Information

For more information about preventing carbon monoxide poisoning on recreational boats and other boating safety tips, contact:

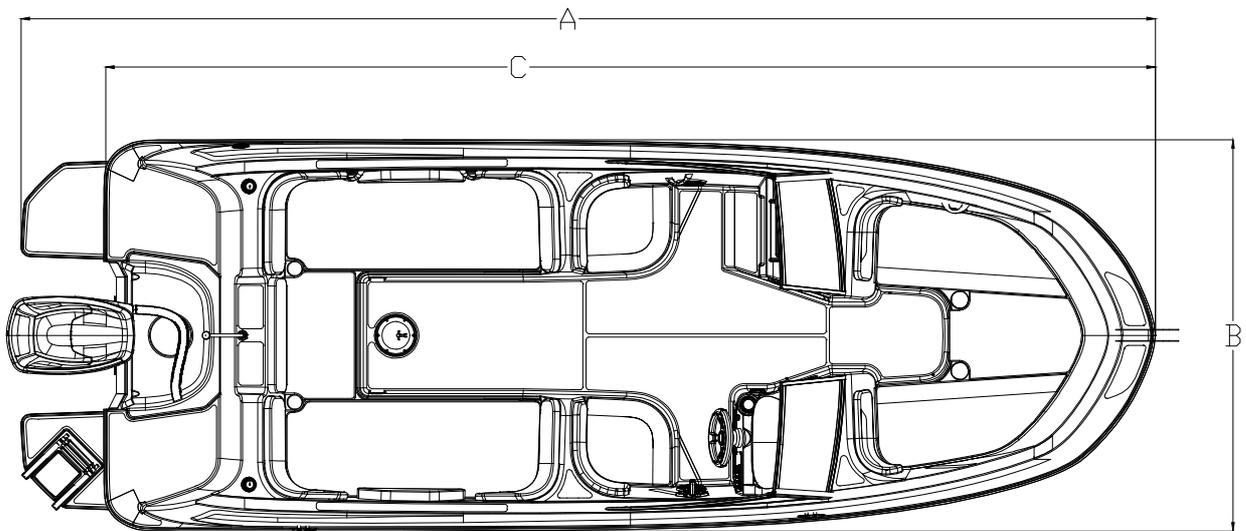
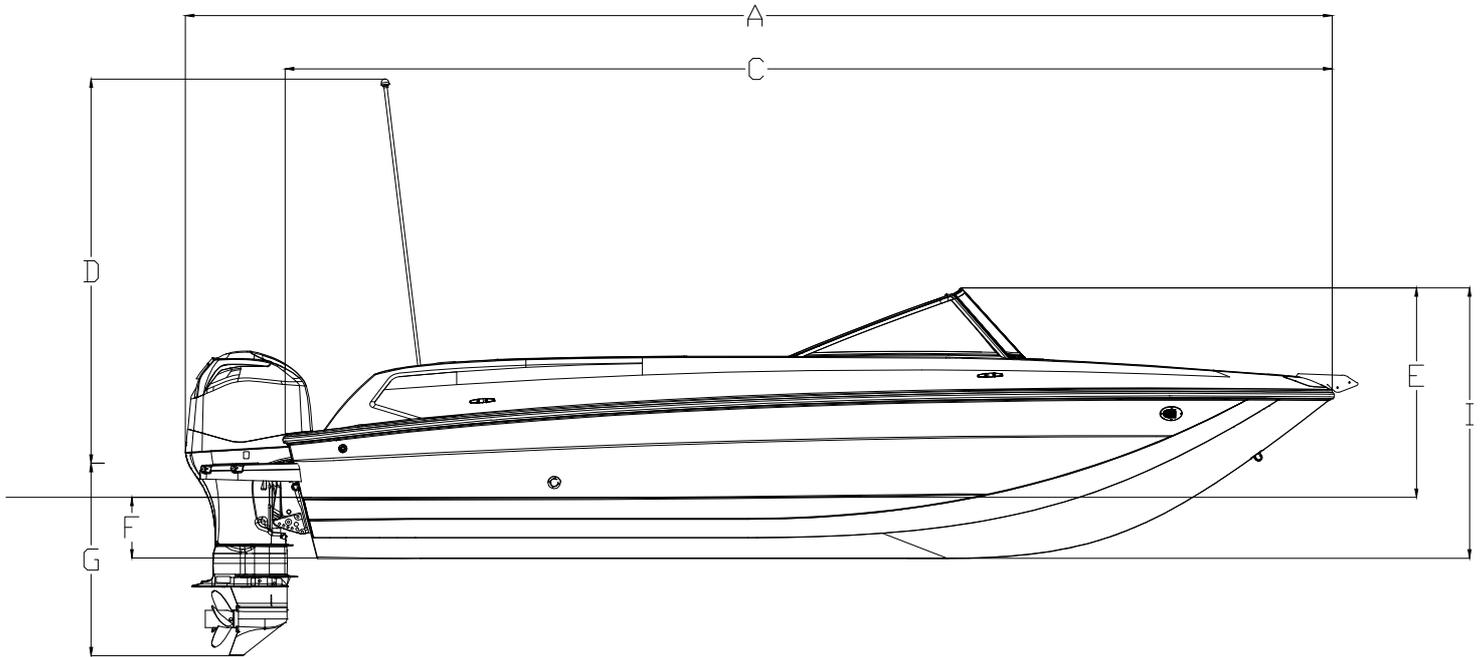
United States Coast Guard
Office of Boating Safety (G-OPB-3)
2100 Second Street SW
Washington, DC 20593
www.uscgboating.org
1-800-368-5647

National Marine Manufacturers
Association (NMMA)
200 East Randolph Drive
Suite 5100
Chicago, IL 60601-9301
www.nmma.org
312-946-6200

American Boat & Yacht Council,
Inc. (ABYC)
613 Third Street
Suite 10
Annapolis, MD 21403
www.abycinc.org
410-990-4460

Chapter 2: Locations

Dimensions and Specifications



E21/E7 Specifications:

(A) Length Overall	.....	22' 4,5"	.....	6.81 m
(B) Beam	.....	7' 9"	.....	2.36 m
(C) Length of Hull	.....	20' 8"	.....	6.29 m
(D) Bridge Clearance	.....	7' 11"	.....	2.41 m
(E) Height From LWL	.....	4' 1"	.....	1.25 m
(F) Draft (Hull)	.....	1' 2,9"	.....	0.38 m
(G) Draft (Maximum)	.....	3' 2,2"	.....	0.97 m
(I) Overall Height	.....	5' 4"	.....	1.63 m
Fuel Capacity	.....	44 gallons	.....	167 liters
Dry Weight	.....	2172 lbs	.....	985.00 kg
Dead Rise	.....	23°	.....
Trailer Mass	.....	2645 lbs	.....	1200.00 kg

Stability **WARNING**

Wet decks are slippery.
 You can be seriously injured if you slip and fall.
 Wear slip resistant footwear secured to your feet and hold on to rails or boat structure.

 **WARNING**

Boat motion can be erratic.
 You can fall overboard or be injured by hitting something in or on the boat.
 All persons must be in cockpit area or cabin and be prepared for sudden boat movement.
 Use front or bow deck area only during anchoring, mooring or emergencies

When persons are on the working deck area, for anchoring, mooring, or in emergencies, they must be holding on and be positioned so as to prevent falling. In bad weather and/or rough water, if it is essential to be on deck, persons should be closely tied to cleats, railing stanchions or other securely fastened boat hardware. Your boat was manufactured to specific stability and flotation standards for the capacity shown on the certification plate. Any increase from the recommended load capacities will put your boat in jeopardy of capsizing, swamping and/or sinking.

In Addition:

- Stability may be substantially reduced if equipment is added above the deck.
- Stability is substantially reduced by loose fluids or weight within the hull. Keep bilge area as dry as possible, and close all openings, hatches and windows in rough weather.

 **DANGER**

Roating propellers can injure or kill you.
 shut off engine when persons are in water near boat, or on swim platform or ladder.

 **WARNING**

Distribute passengers and gear as uniformly as possible from front to rear and left to right.
 The manufacturer's load rating is the maximum allowed under calm conditions.
 Reduce boat loading if weather, water or other conditions are adverse.

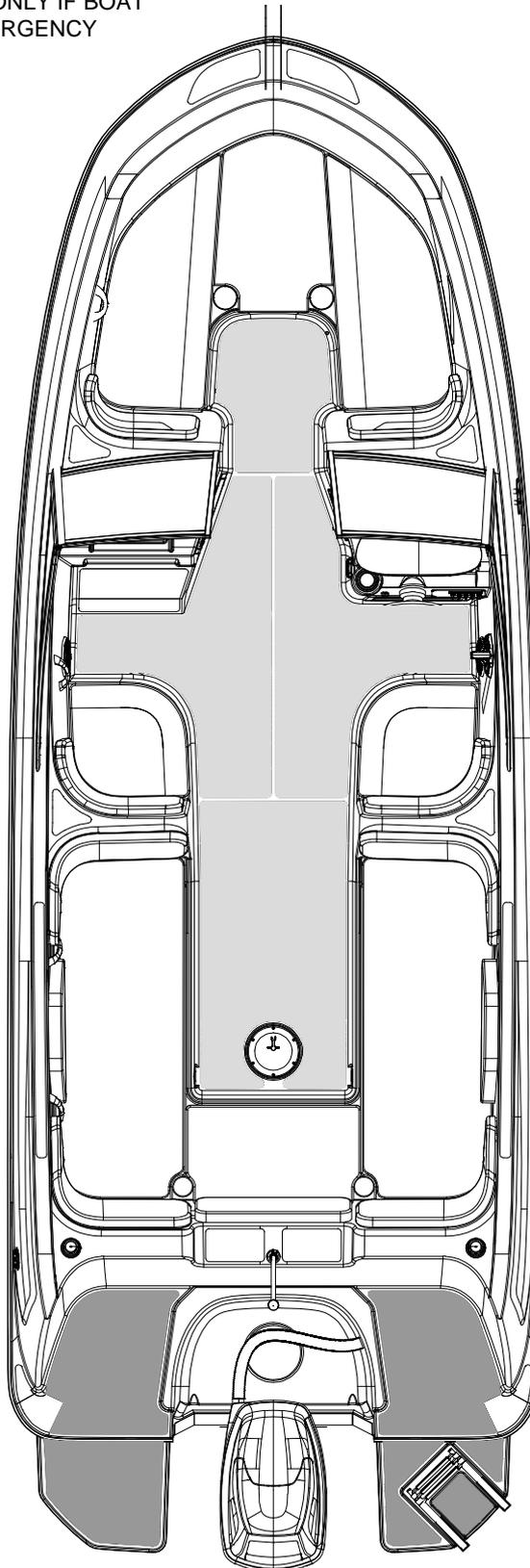
Deck Occupation Areas



WORKING DECK
(DECK AREA INTENDED FOR
OCCUPATION DURING NORMAL
OPERATION)



DECK AREA INTENDED FOR ONLY IF BOAT
ANCHOR OR MOORING, EMERGENCY
OPERATION ONLY



Load Capacity


WARNING

Never carry more weight or passengers than indicated on the certification plate, regardless of weather or water conditions.
The boat can capsize, swamp or sink.

If present, the capacity information plate (located near the helm) indicates maximum weight and number of persons your boat can handle under calm sea conditions. Do not exceed the load capacities stated. The number of people on board must be reduced if you go out in poor weather and rough water.

The type of capacity plate will vary depending upon the local governing authority.

A. United States - The United States Coast Guard only provides specific numbers for passenger capacity or cargo weight for recreational vessels up to 20', (6.1 meters). NMMA provides capacity for boats under 26' (7.9 meters).

B. Canada - Transport Canada only provides specific numbers for passenger capacity or cargo weight for recreational vessels up to 6 meters (19.7').

C. Australia - The Australian Transport Council provides specific numbers for passenger capacity and cargo weight for all recreational vessels.

D. European Union - CE regulations provide specific information for passenger capacity and cargo weight for all recreational vessels.

Capacity Plate (Domestic Certification)

MAXIMUM NUMBER OF PASSENGERS

MAXIMUM LOAD CAPACITY

U.S. COAST GUARD

MAXIMUM CAPACITIES

10 PERSONS OR 1653

2606 LBS LBS. PERSONS, GEAR

THIS BOAT COMPLIES WITH U.S. COAST GUARD SAFETY STANDARDS IN EFFECT ON THE DATE OF CERTIFICATION

MANUFACTURER: BAYLINER MARINE LAKE FOREST, IL
MODEL: XXL

DESIGN COMPLIANCE WITH NMMA REQUIREMENTS IS VERIFIED,
MANUFACTURER RESPONSIBLE FOR PRODUCTION CONTROL



NATIONAL MARINE MANUFACTURERS ASSN

Capacity Plate (International Certification)

DESIGN CATEGORY

MAXIMUM NUMBER OF PASSENGERS



BAYLINER MARINE
LAKE FOREST, IL, USA

BOAT MANUFACTURER

MAXIMUM

10  +  +  = 1182 kg

 = 110 kw

MAXIMUM LOAD CAPACITY

0609

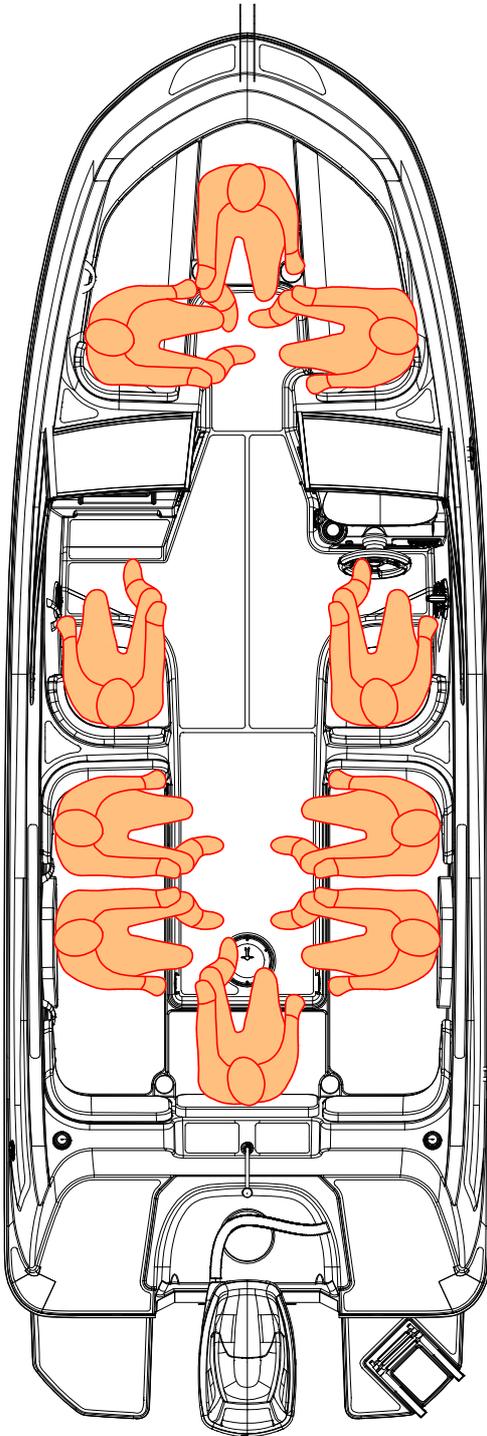


C

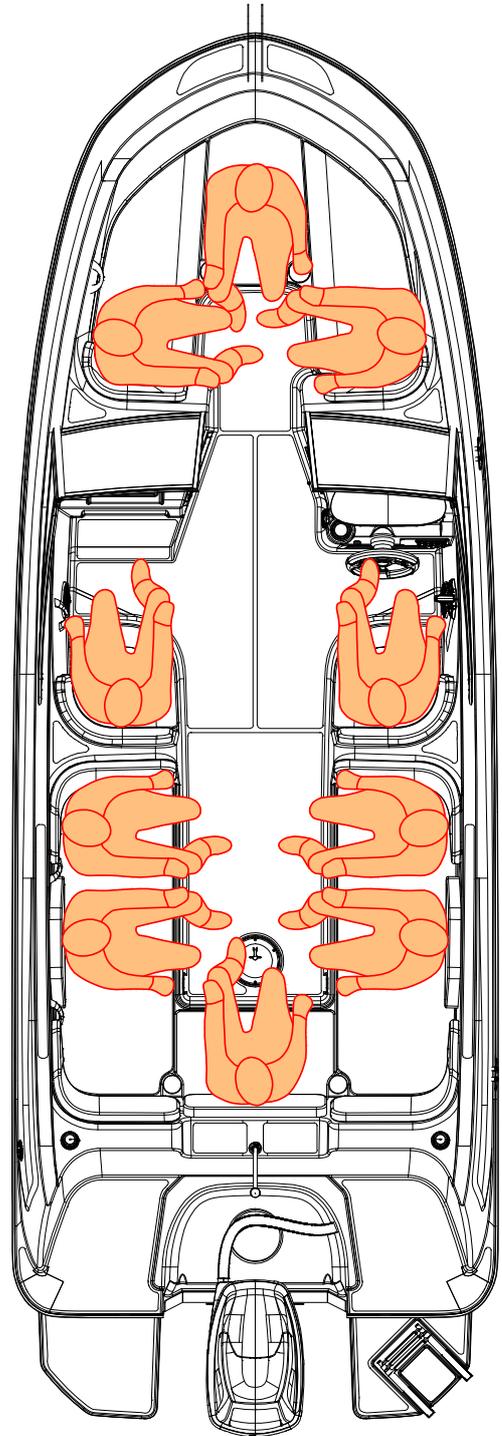
Passenger Locations

NOTICE

The maximum number of persons listed on the capacity plate may be affected by where the vessel is registered. See Load Capacity.



DOMESTIC



INTERNATIONAL, (CE)

Watercraft Design Category

A watercraft given design category C is considered to be designed for a wind force up to, and including 6 (Beaufort scale) and significant wave height up to, and including 2 m.



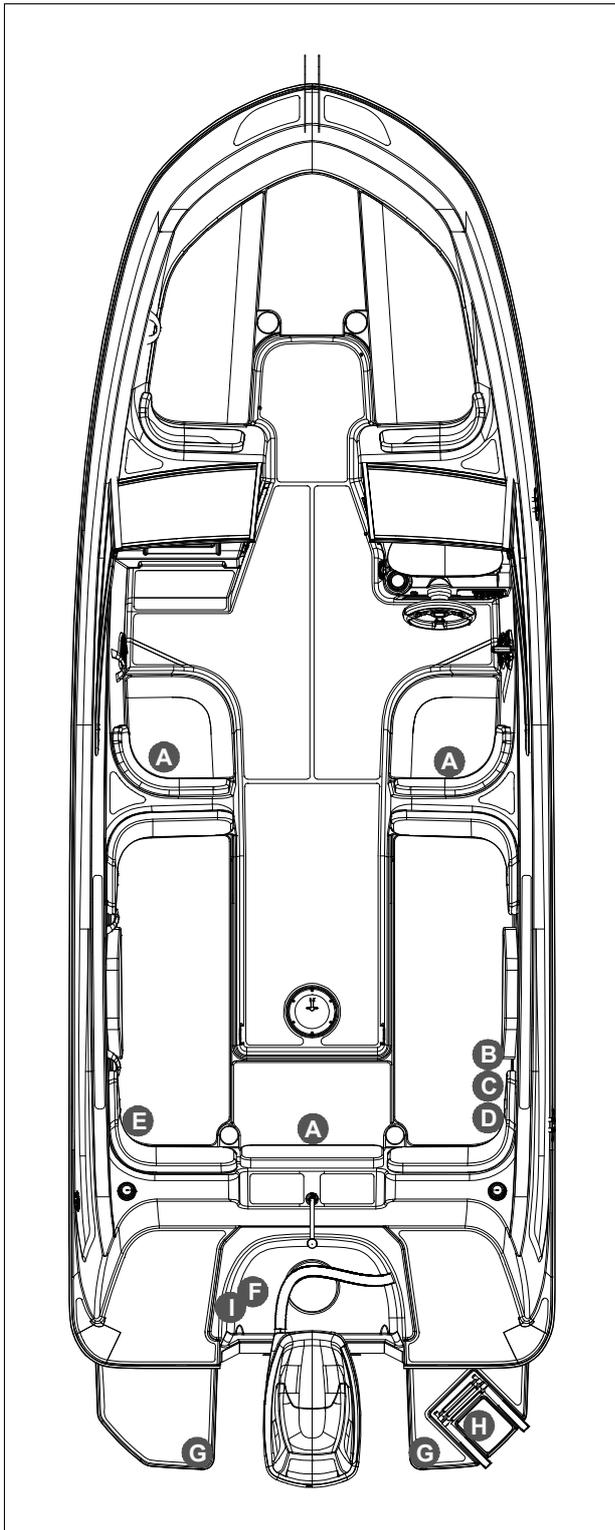
The wind speed and wave height specified as the upper limit for your category of boat does not mean that you or your passengers can survive if your boat is exposed to these conditions. It is only the most experienced operators and crew that may be able to operate a boat safely under these conditions.

You must always be aware of weather conditions and head for port or protected waters in sufficient time to avoid being caught in high winds and rough water. Do not take chances!

Maximum Propulsion Power

- “Maximum propulsion power rating for the craft: 110 kW.”
- “Do not operate this craft with an engine of rated power larger than that posted on the capacity label in the craft.”
- “Do not operate this craft at negative propulsion unit trim settings (bow down) at high speed. Craft may lean over on side. Instability in turns may result. Use negative trim to accelerate to planing speed from displacement speed and at lower planing speeds in choppy water (applicable to craft equipped with propulsion unit power trim).”
- “Do not operate at maximum speed while in congested high traffic waterways or in weather and sea conditions of reduced visibility, high winds or large waves. Reduce speed and wake as a courtesy and as a safety consideration to yourself and others. Observe and obey speed limit and no wake zones.”
- “Observe right-of-way as defined by Rules of the Road and required by COLREG.”
- “Always be certain to have sufficient distance to stop or manoeuvre if required to avoid collisions.”

Warning Labels



A **! WARNING**
 DO NOT STORE FUEL OR FLAMMABLE LIQUIDS HERE VENTILATION HAS NOT BEEN PROVIDED FOR EXPLOSIVE VAPORS

B **! WARNING**
 Gasoline vapors are explosive! Avoid serious injury or death from fire or explosion, resulting from leaking fuel.
 Inspect system for leaks at least once a year. The use of fuels containing ethanol higher than 10% (E-10) can damage your engine or fuel system and will void the warranty. Never use (E-85).
 Open flame appliances can ignite gasoline vapors causing death or injuries from the fire or explosion. Turn off all open flame appliances when refueling.

C **! WARNING**
 LEAKING FUEL IS A FIRE AND EXPLOSION HAZARD. INSPECT SYSTEM REGULARLY. EXAMINE FUEL TANKS FOR LEAKS OR CORROSION AT LEAST ANNUALLY.

D **! CAUTION**
 IF SWITCH IS TURNED OFF WHILE ENGINE IS RUNNING ALTERNATOR WILL BE DAMAGED.

E **NOTICE**
 CHECK BATTERY CELL FLUID LEVEL APPROXIMATELY EVERY 4 WEEKS, AND MORE OFTEN IN SUMMER AND HOT ZONES.

F **! WARNING**
 USE CAUTION WITH SKIER IN TOW AS TOW ROPE MAY BACKLASH INTO COCKPIT WHEN RELEASED

G **! DANGER**
 TO AVOID RISK OF SERIOUS INJURY OR DEATH SHUT OFF ENGINE WHEN NEAR SWIMMERS OR PRIOR TO USING SWIM PLATFORM AND BOARDING LADDER

I **PREVENT THE DISCHARGE OF POLLUTANTS**
 DISCHARGE OF OIL OR OILY WASTE INTO NAVIGABLE WATERS IS PROHIBITED IF SUCH A DISCHARGE CAUSES A FILM, SHEEN OR A DISCOLORATION OF THE SURFACE, OR CAUSES A SLUDGE OR EMULSION BENEATH THE SURFACE OF THE WATER. VIOLATORS ARE SUBJECT TO PENALTIES.

H **! DANGER**

 Carbon monoxide (CO) can cause brain damage or death. Engine and generator exhaust contains odorless and colorless carbon monoxide gas. Carbon monoxide will be around the back of the boat when engines or generators are running. Move to fresh air, if you feel nausea, headache, dizziness, or drowsiness.

Helm Warning Labels

A

U.S. COAST GUARD
MAXIMUM CAPACITIES

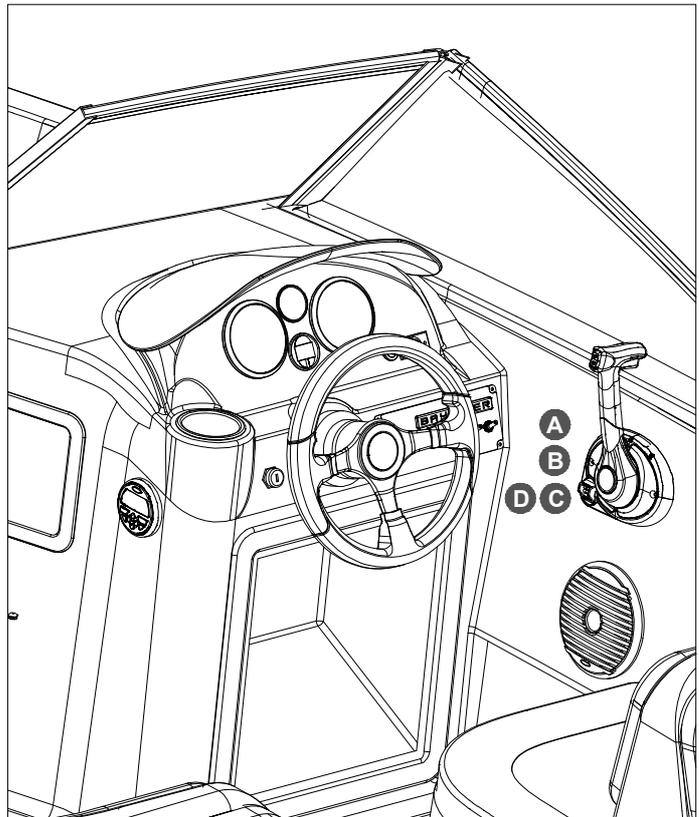
10 PERSONS OR 1653 LBS
 2606 LBS. PERSONS, GEAR

THIS BOAT COMPLIES WITH U.S. COAST GUARD SAFETY STANDARDS IN EFFECT ON THE DATE OF CERTIFICATION

MANUFACTURER: BAYLINER MARINE LAKE FOREST, IL
 MODEL: XXL
 DESIGN COMPLIANCE WITH NMMA REQUIREMENTS IS VERIFIED.
 MANUFACTURER RESPONSIBLE FOR PRODUCTION CONTROL



NATIONAL MARINE MANUFACTURERS ASSN



A

 0609  C	BAYLINER MARINE LAKE FOREST, IL, USA
	MAXIMUM 10  +  +  = 1182 kg
	 = 110 kw

B

THE UNITED STATES COAST GUARD (USCG) RECOMMENDS THAT ALL OCCUPANTS WEAR APPROVED PERSONAL FLOATATION DEVICES (PFDs).

⚠ DANGER
 PROPELLER(S) MAY CAUSE SERIOUS INJURY OR DEATH
 Shut-off engine(s) when near swimmers, prior to using sunpads, swim platform, or boarding ladder.

⚠ WARNING
 AVOID COLLISIONS-

- Maintain lookout as required by the "Rules of the Road"
- Visibility can be limited by high boat trim angles, persons, gear, weather and atmospheric conditions.
- At all times proceed at a safe speed, in order to take proper and effective action to avoid hazardous conditions.

SUCH ISSUES ARE UNDER THE CONTROL OF THE OPERATOR!
 AVOID SKI LINES AND TOW ROPES-
 Ski lines and tow ropes can backlash into the cockpit when released.

⚠ CAUTION
 AVOID INHALATION OF TOXIC FUMES-
 If fire extinguishing system discharge occurs, ventilate space before entering.

C

⚠ WARNING



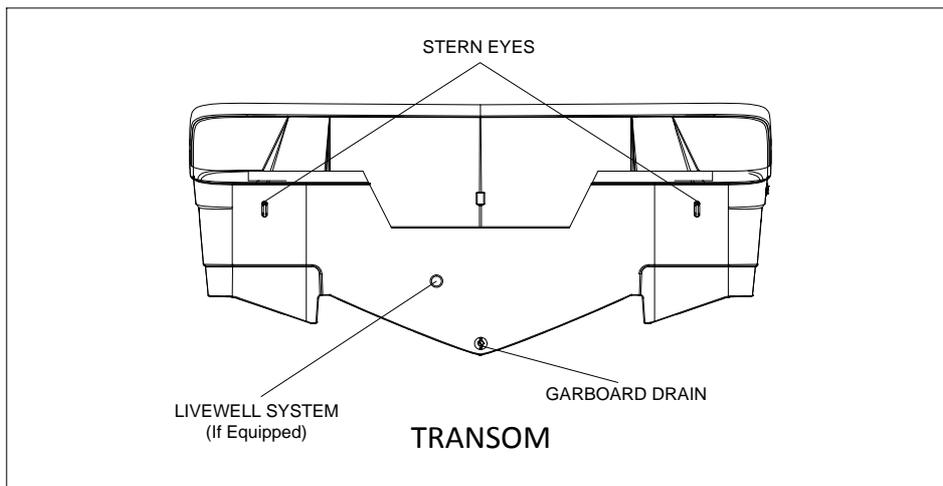
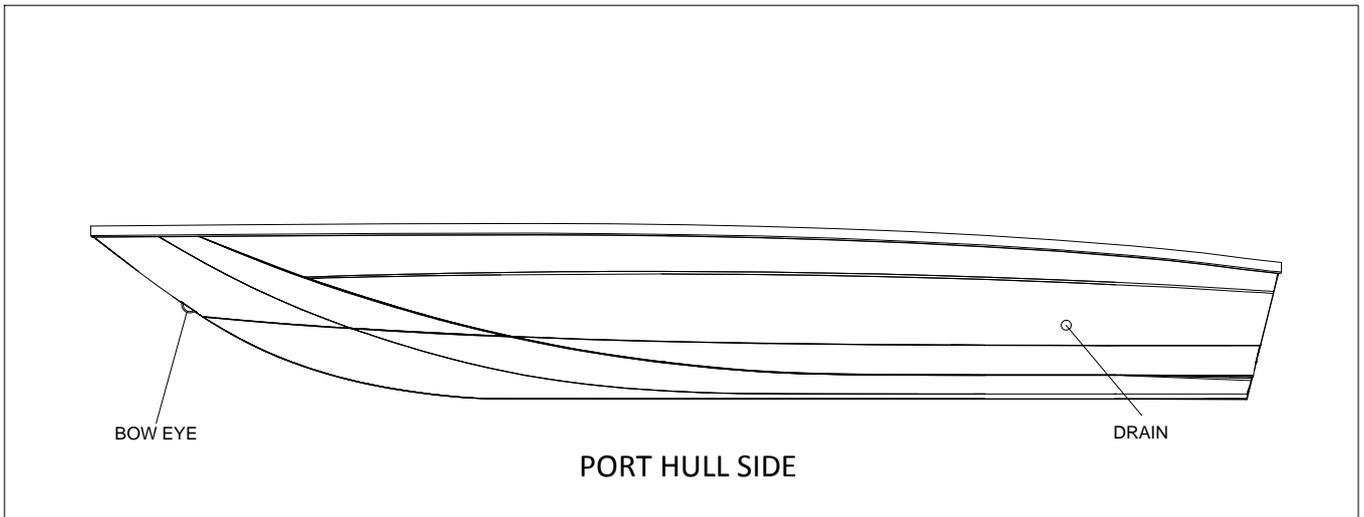
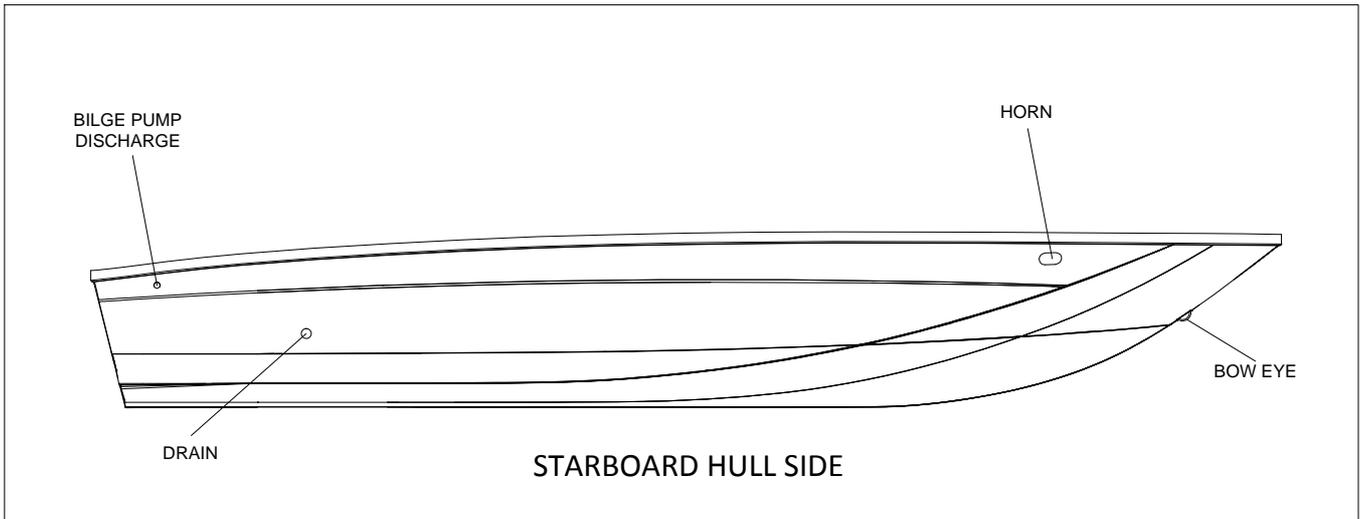
Carbon monoxide (CO) can cause brain damage or death.
 Engine and generator exhaust contains odorless and colorless carbon monoxide gas.
 Signs of carbon monoxide poisoning include nausea, headache, dizziness, drowsiness, and lack of consciousness.
 Get fresh air if anyone shows signs of carbon monoxide poisoning.
 See Owner's Manual for information regarding carbon monoxide poisoning.

D

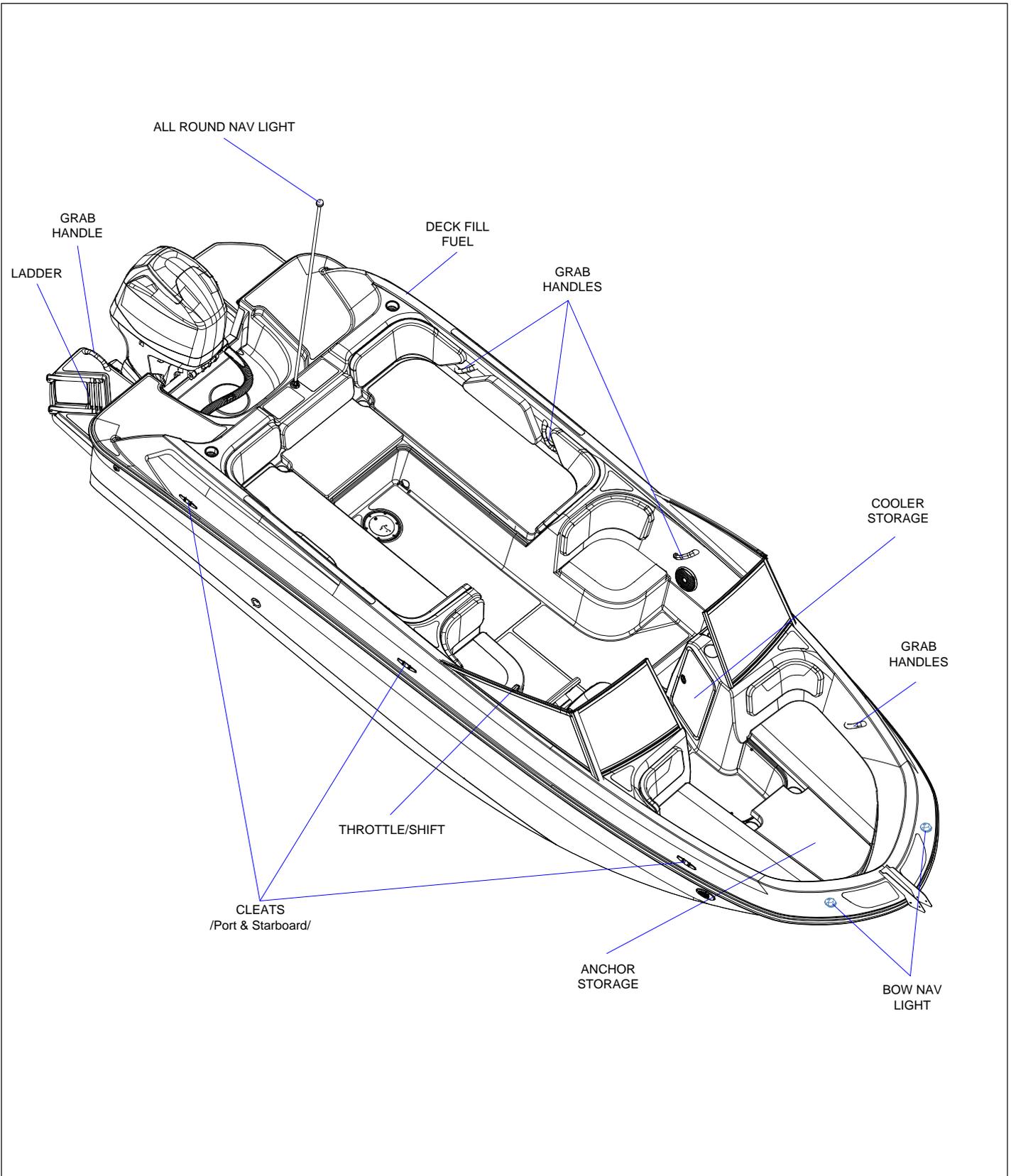
⚠ WARNING

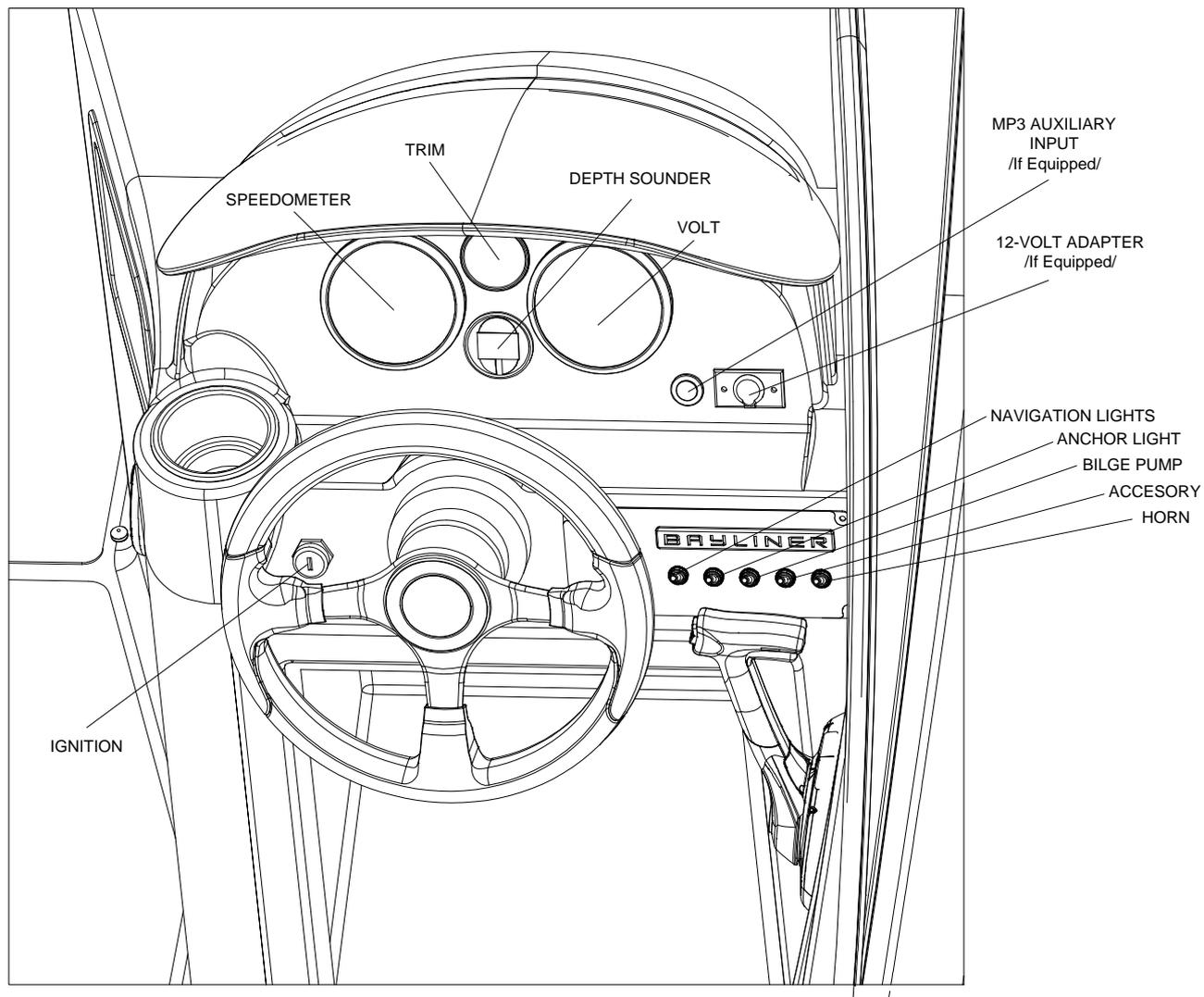
QUALIFIED OPERATOR TO BE IN CONTROL AT ALL TIMES. OPERATION BY AN UNQUALIFIED OPERATOR CAN CAUSE LOSS OF CONTROL. THIS MAY RESULT IN SEVERE INJURY, DEATH OR PROPERTY DAMAGE. BOAT STABILITY AND HANDLING WILL CHANGE WITH WEIGHT DISTRIBUTION.
 READ OWNERS MANUAL BEFORE USE.

Exterior Views Hull Views



Deck View



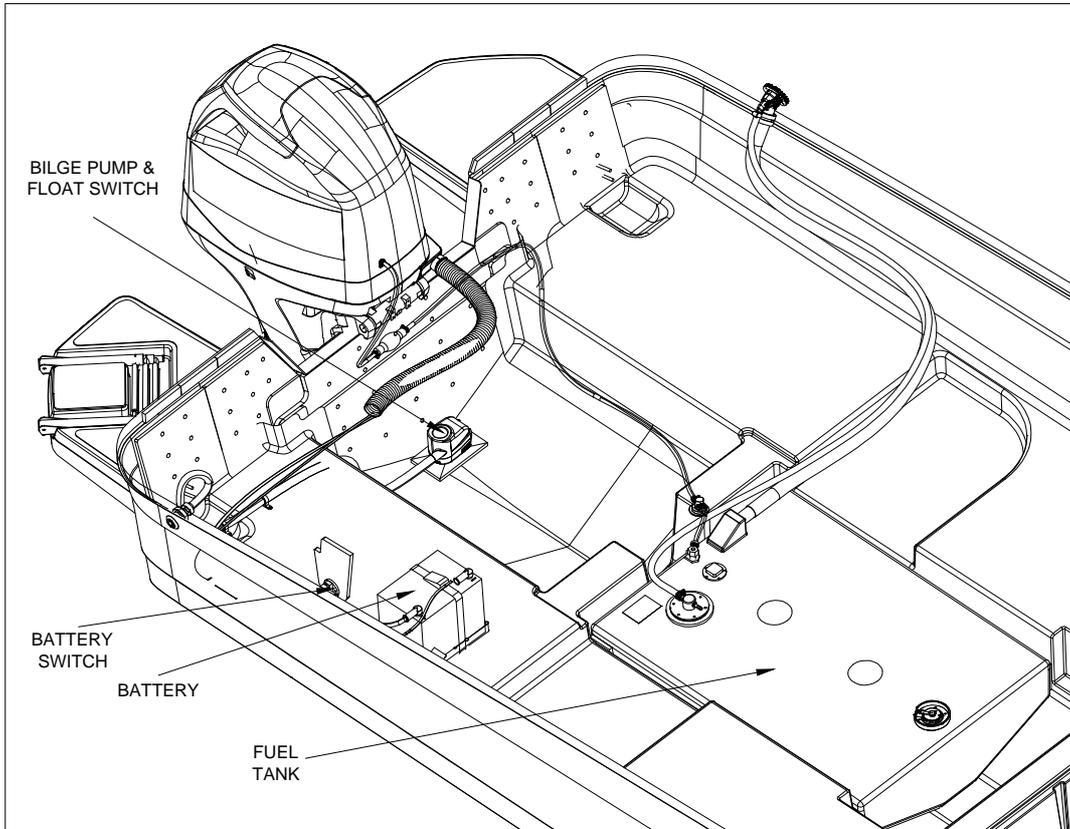
Helm View

Operator vision from the helm may be obstructed by high trim angles of the craft and other factors caused by one or more of the following variable conditions:

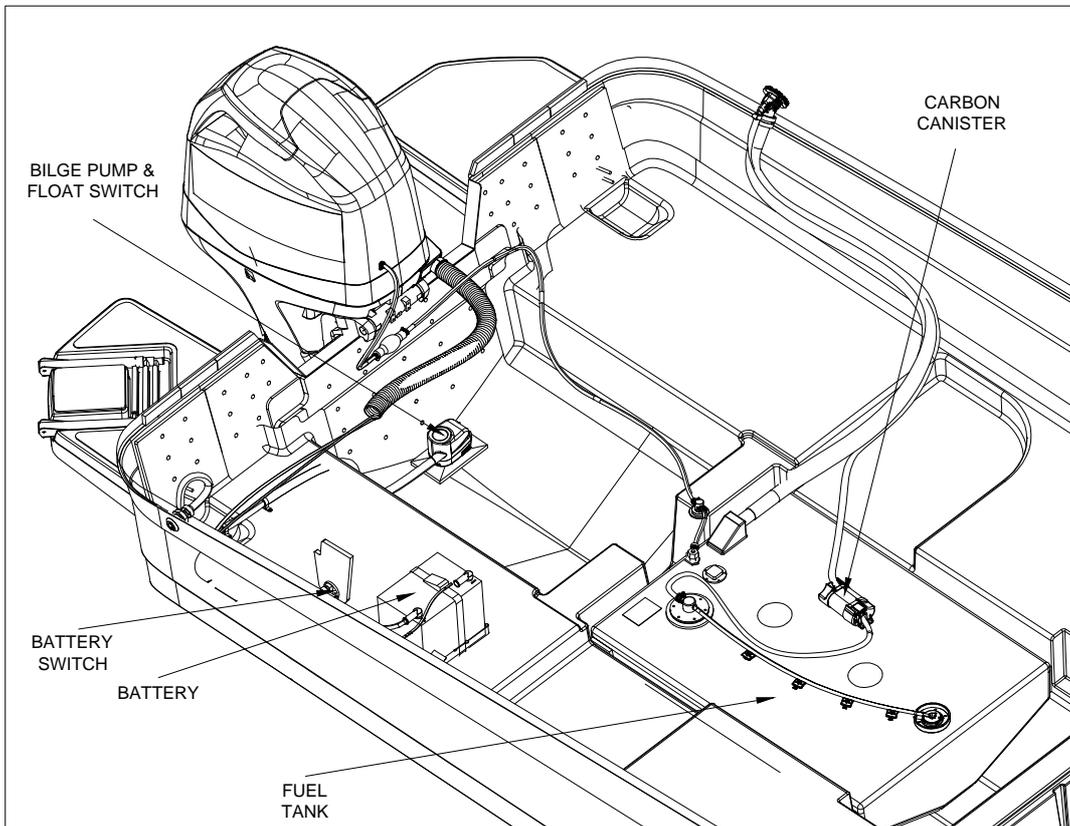
1. propulsion unit trim angles (on craft equipped with a power trim system on the propulsion unit);
2. hull trim plane angles (on craft equipped with power operated trim planes or trim tabs on the transom);
3. loading and load distribution;
4. speed;
5. rapid acceleration;
6. transition from displacement to planing mode;
7. sea conditions;
8. rain and spray;
9. darkness and fog;
10. interior lights;
11. position of tops and curtains;
12. persons or movable gear in the operator's field of vision.

The International Regulations for Preventing Collisions at Sea (COLREG) and the rules of the road require that a proper lookout be maintained at all times and observance of right of way be respected. Observance of these rules is essential.

Component Locations Bilge Components



INTERNATIONAL, (CE)



DOMESTIC

Chapter 3: Propulsion and Related Systems

Engine

NOTICE

Read the engine manual BEFORE starting or working on your engine

While the topics listed below may be included in this supplement and in the *Sport Boat Owner's Manual*, always refer to the engine manual first for specific information on these important subjects:

- Engine Break-in Procedure
- Engine Starting and Stopping
- Gear Shifting
- Fuel and Oil Recommendations
- Engine Maintenance
- Engine Storage/Winterization

Manual fire extinguishing system pull handle

The manual fire extinguisher system allows the operator to manually activate the automatic extinguisher in the engine compartment. Early detection and use of the manual override system will reduce fire damage by eliminating the time necessary for heat in the engine compartment to rise to a temperature necessary to activate the automatic fire extinguisher.

TO OPERATE:

1. Pull pin securing the handle.
2. Pull red FIRE handle quickly and briskly.

SAFETY PIN

The bottle safety pin is used on boats equipped with the Manual Fire Extinguishing System Pull Handle. The safety pin, located at the neck of the extinguisher bottle in the engine room, is for shipping and transfer of the bottle only. The bottle safety pin **MUST** be removed in order to manually operate the system.

Gasoline Fuel System

The gasoline fuel system consists of a fuel tank, fuel tank vent, anti-siphon valve, engine fuel supply line and fuel fill. Your vessel contains a new EPA certified fuel system. The system prevents spit back when filling the tank and lowers the out gassing emissions through the tank and vent.

! WARNING

FIRE, EXPLOSION, and OPEN FLAME HAZARD!

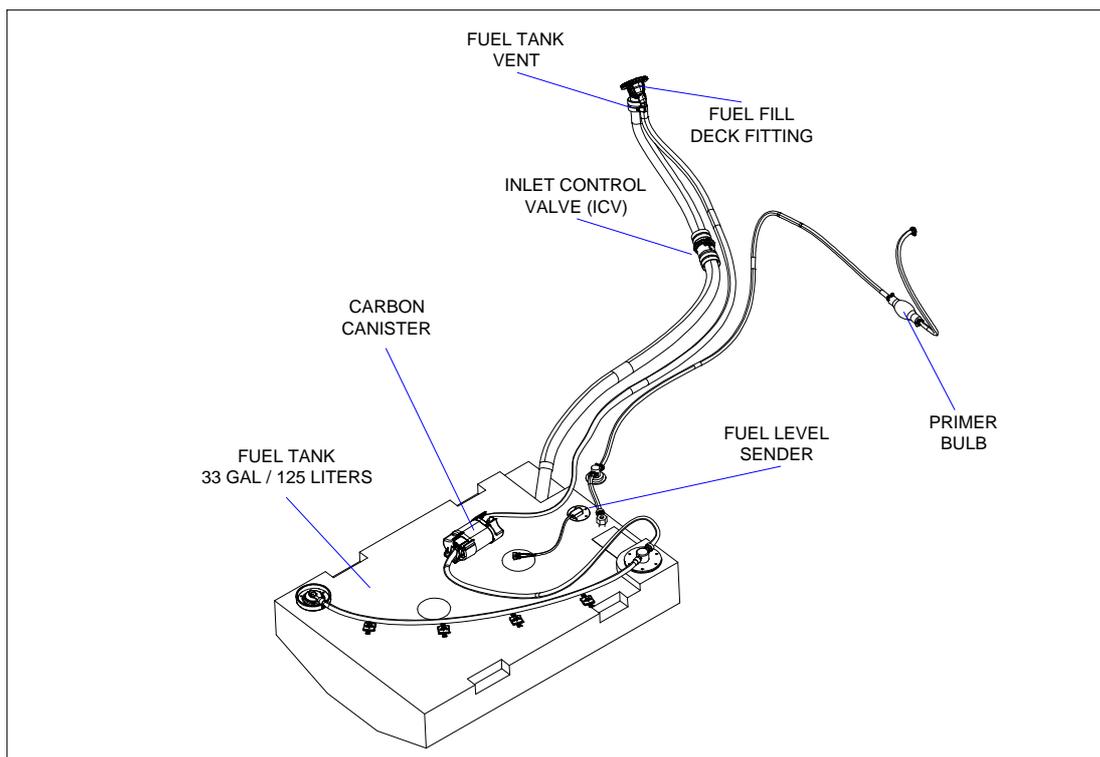
- Thoroughly inspect the fuel system for leaks every time you take on fuel.
- Follow both the *Sport Boat Owner's Manual* fueling instructions and the engine operation manual fuel recommendations.

! CAUTION

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 Tank Vent and Fuel Fill

Your boat is equipped with a fuel tank vent which serves as a pressure/vacuum release. Periodically check the vents to ensure that they are not clogged.

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.

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, turn Off the engine and then repair or replace the valve.
- Except in an emergency, NEVER run the engine without the anti-siphon valve.

The anti-siphon valve is a vital part of the fuel system.

If the fuel line ruptures, this valve prevents the siphoning of fuel 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 the fuel pump vacuum.

Carbon Canister Venting System

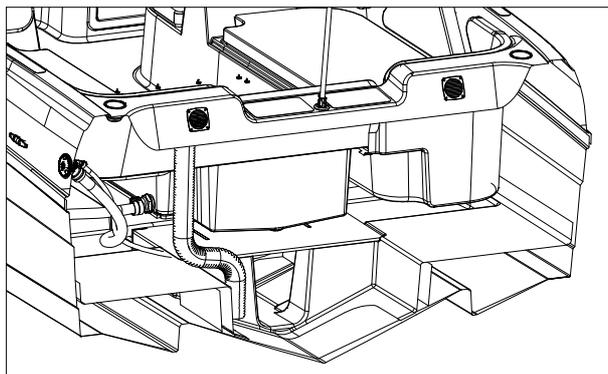
Your boat is equipped with a carbon canister. This canister filters all the hydrocarbons that pass through the canister. If the carbon canister is mounted in the engine compartment, the canister will have a heat shield. Periodically check that the shield has not become damaged.

Fuel Recommendations

The quality of the fuel is critical for satisfactory engine performance and long engine life. Care should be taken to select fuels having the octane rating recommended for the engine, as indicated in the owner's manual, for proper operation. Fuel should be clean and free of contamination. Your fuel tanks should be kept full of fuel whenever possible. This will reduce the amount of water condensation and reduce the possibility of contamination.

When filling the tank, do NOT attempt to top off the tank. When the fill nozzle shuts off, the tank is full. Continuing to fill past the fuel fill shut off will cause the system to spit back.

Do not obstruct or modify the ventilation system



Chapter 4: Controls and Gauges

Steering

- Boat steering is not self-centering.
- Your boat features a mechanical rack-and-pinion steering.
- Refer to the engine manual for steering system details.

Shift / Throttle Controls

 **WARNING**

LOSS OF CONTROL HAZARD !
Improper maintenance of the shift/throttle hardware may cause a sudden loss of control.

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 and Tilt

- The outboard engine 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.

Fuel Gauge

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

Chapter 5: Navigation Equipment

Read the manuals for all navigation and communication equipment before using these systems.

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 6: Plumbing

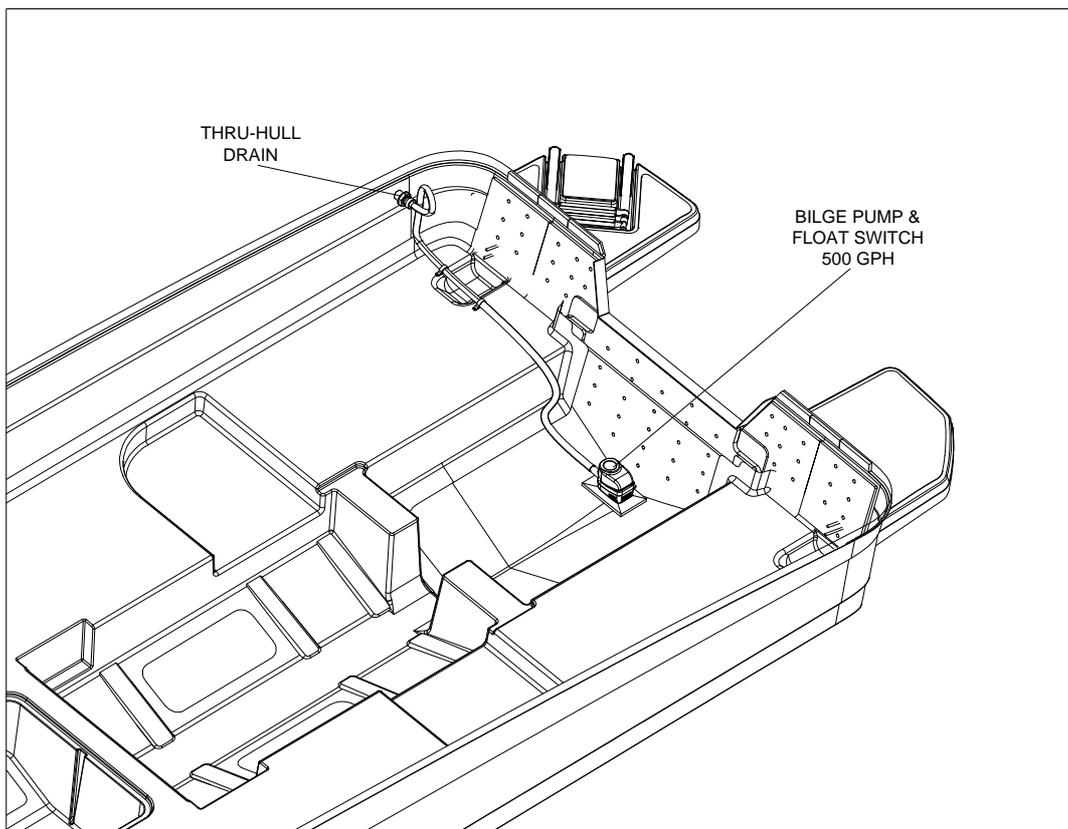
Bilge Pump

Your boat has a bilge pump for pumping water out of the bilge.

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.

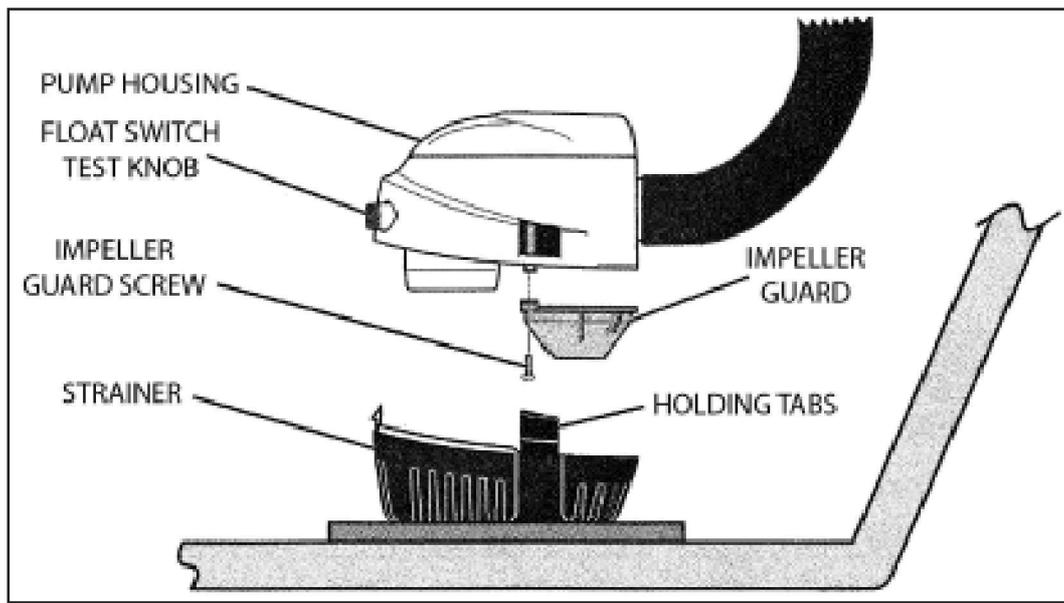
- The pump's built-in float switch turns On the bilge pump if bilge water rises above a preset level. Small amounts of water in the bilge are normal.
- You can also turn On the bilge pump using the switch at the helm.
- The bilge pump is wired directly to the battery. Unless the battery is dead, the bilge pump should work even when your boat is unattended.



Bilge Pump Testing

The bilge pump is vital to the safety of your boat. Test the bilge pump often as follows:

1. Turn On the bilge pump switch at the helm.
2. Make sure that water in the bilge is pumped overboard.
3. If there is water in the bilge and the pump motor is running but not pumping water, inspect the discharge hose for a kink or collapsed area.
4. If the discharge hose looks okay, check the bilge pump and strainer for clogging debris.



Drain System

Deck Drains

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

Bilge pump

Sahara S1100 GPH

Nominal voltage rating [V]	- 12
Waterflow at [l/min] 0 kPa [l/min]	- 67,5
Waterflow at [l/min] 10 kPa [l/min]	- 51,7
Waterflow at [l/min] 20 kPa [l/min]	- 38,8

Livewell System (If Equipped)

! WARNING

FLOODING and SWAMPING HAZARD!

- Close the seacocks when leaving your boat unattended for any length of time.
- If a seacock is left open, a hose failure could flood the bilge, swamp the batteries, and even sink your boat.
- BEFORE using any system that has a seacock, make sure that the system's seacock is Open.
- Inspect and lubricate all seacocks annually.

Read the Livewell System section in the *Sport Boat Owner's Manual*.

Filling and Using the Livewell:

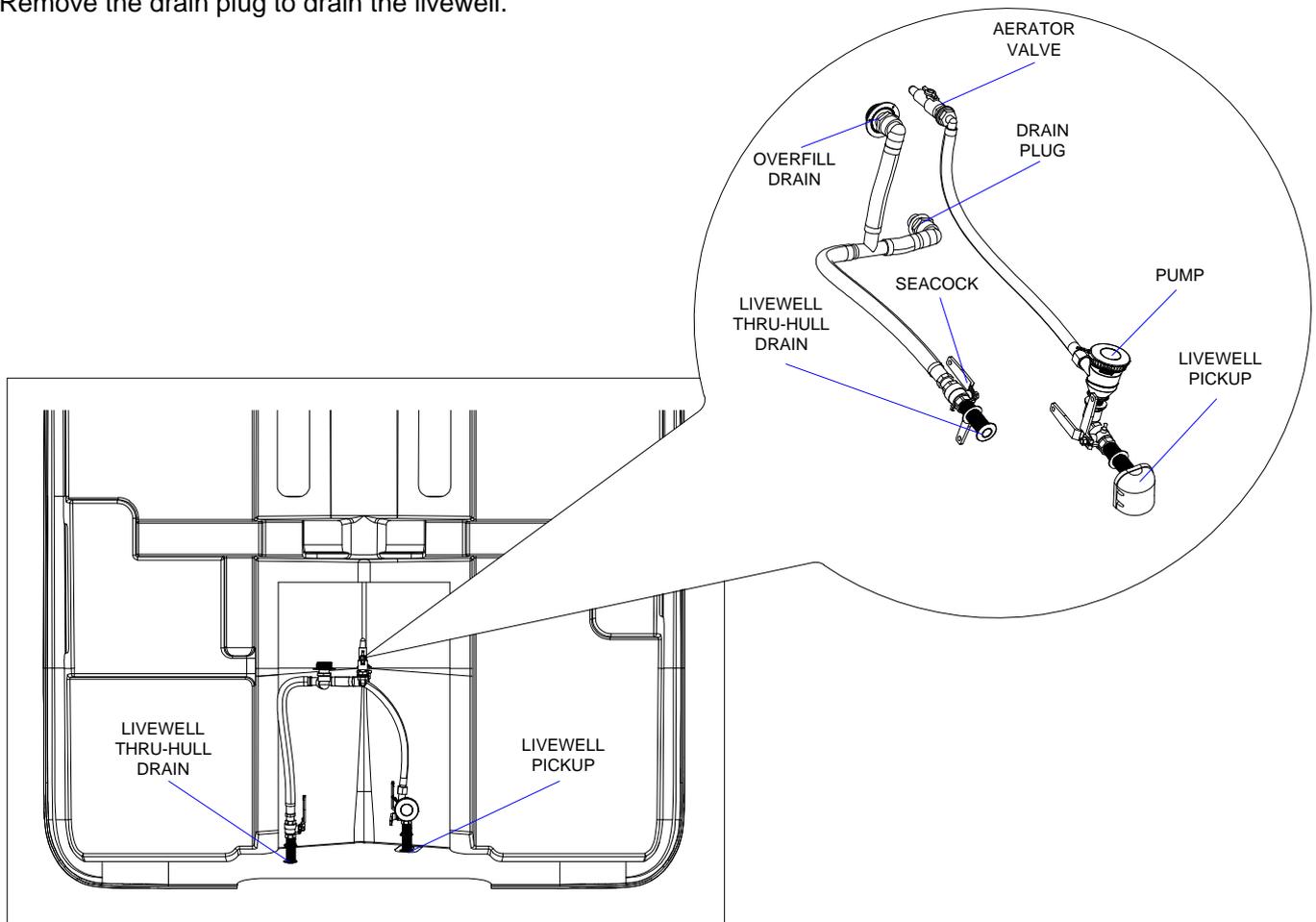
1. Insert the drain plug into the drain fitting at the bottom of the tank.
2. Open the seacocks.
3. Turn On the ACCESSORY switch on the helm port switch panel.

The tank should now be filling with water. If water is not pumping into the tank, possible causes are:

- A collapsed hose or clogging debris in the system.
- The seawater intake seacock is Closed.
- The livewell fuse is blown.

To Drain the Livewell:

Remove the drain plug to drain the livewell.



Chapter 7: Deck Equipment

Cleats and 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

The bow eye must be used to haul the boat onto a trailer. The stern eyes must be used as tie down points for trailering the boat. The bow and stern eyes may be used for short term lifting of the boat such as for service. Long term lifting with the bow and stern eyes may cause stress on the fiberglass and gel coat.

For long term storage, use flat, wide belt-type slings and spreaders long enough to keep pressure from unwaives. With fiberglass boats, severe gelcoat cracking or more serious hull damage can occur during launching and hauling if pressure is created on the gunwales by the slings. Cable-type slings should be avoided. Do not place the slings where they may lift on underwater fittings.

When lifting the boat, always keep the bow higher than the stern to drain the exhaust lines and to prevent water from running forward through the manifold and into the engine where it can result in water entering the engine cylinders, causing hydrostatic lock and resulting in possible engine failure. Even a small amount of water in the engine can cause rust and is to be avoided.

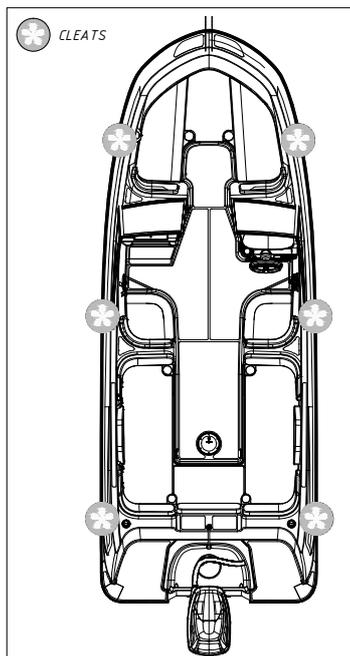
Never hoist the boat with an appreciable amount of water in the bilge. Fuel and water tanks should preferably be empty, especially if large capacity.

Caution :

Always tow or be towed at a slow speed. Never exceed the hull speed of a displacement craft when being towed. A tow line shall always be made fast in such a way that it can be released when under load.

Responsibility :

It is the owner's/operators responsibility to ensure that mooring lines, towing lines, anchor chain(s), anchor lines and anchor(s) are adequate for the vessel's intended use, i.e. the lines or chains do not exceed 80 % of the breaking strength of the respective strong point. Owners should also consider what action will be necessary when securing a tow line on board.



Ropes Specification				
Recommended Mechanical properties of 3-strand hawser-laid synthetic ropes		Nominal Diameter	Minimum breaking strength (ISO 1140)	Ultimate Minimum Strength
Mechanical properties of 3-strand hawser-laid synthetic ropes				
		mm	kN	kN
mooring	Polyamide ropes	12	29,4	23,8
	Polyester ropes	12	24	
	Polypropylene ropes	14	29,9	
anchoring & towing	Polyamide ropes	18	65,7	54,1
	Polyester ropes	18	54,8	
	Polypropylene ropes	20	56,9	

- Permissible loads prior Breaking Strength of Strong Points
- Cleats and Stern Eyes – 1905KG (mooring application)
- Bow Eye – 4330KG (anchoring and towing)

Ski - Tow Tower (If Equipped)

WARNING
**PERSONAL INJURY and/or PRODUCT or
PROPERTY DAMAGE HAZARD!**

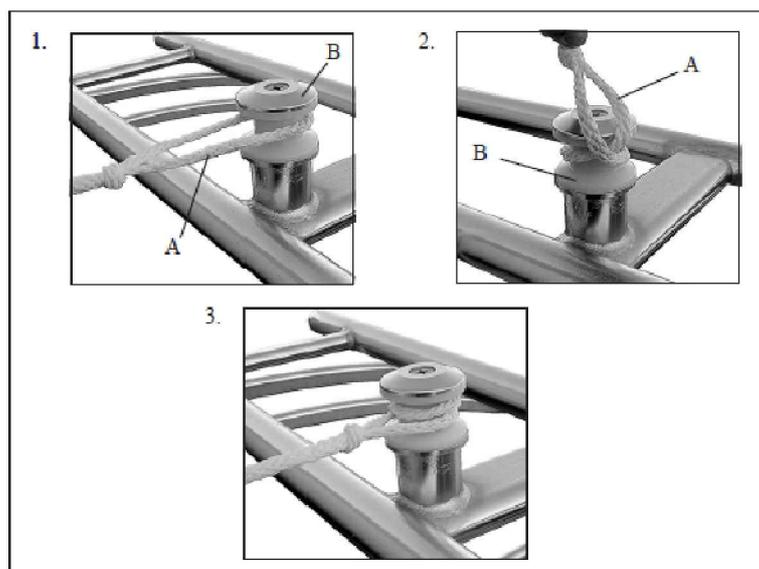
- Failure to follow these guidelines can result in injury or death:
- Read ALL warning labels on ski-tow tower.
- BEFORE each use of the boat and BEFORE each use of the folding ski-tow tower, make sure the lock-down bolts are tightened firmly.
- ONLY tow water skis, wakeboards, or kneeboards.
- Do NOT exceed the MAXIMUM tow weight of 400 pounds.
- Do NOT tow parasail's, kites, tubes, rafts or other boats.
- Do NOT tow more than one person at a time.
- Do NOT climb on, sit on, stand on, jump off or dive off tower.
- NEVER allow passengers to sit behind tow rope attachment point.
- Use caution with skier in tow as tow rope may snap back into cockpit when released.
- NEVER allow loose tow rope ends to dangle off tower.
- When tower is up, watch for low obstacles such as tree limbs, bridges, or power lines.

Attaching the ski-tow rope

Place the ski-tow rope's loop (A) over the ski-tow pylon (B).

Put a twist in the ski-tow rope's loop (A) and slide the loop over the ski-tow pylon (B) again.

Pull firmly on the ski-tow rope to tighten.

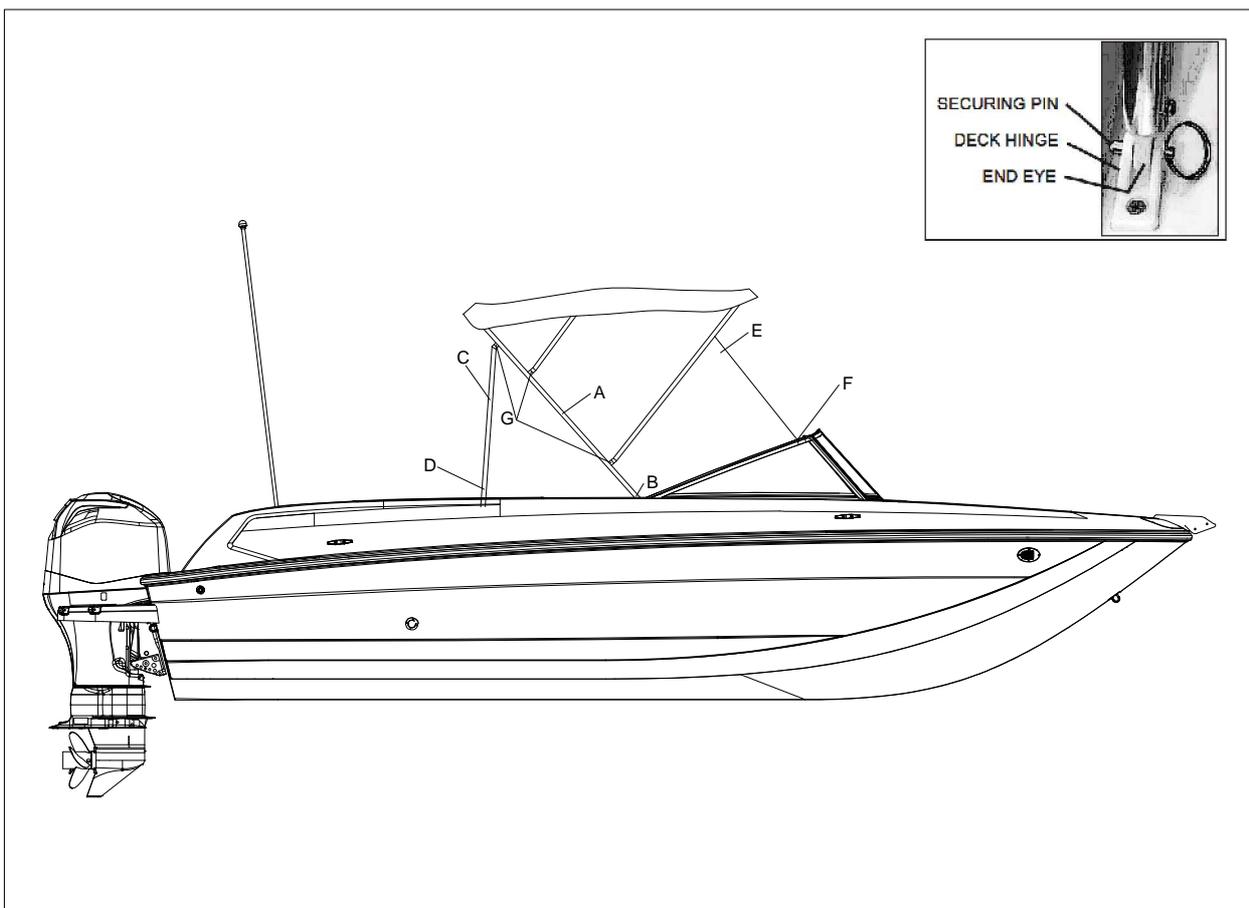


Canvas (If Equipped)**CAUTION****PRODUCT or PROPERTY DAMAGE HAZARD!**

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

Bimini Top (If Equipped)

1. Insert the end eyes of the main bow (A) into the forward deck hinges (B) and insert the securing pins.
 2. Insert the end eyes of the aft braces (C) into the aft deck hinges (D) and insert the securing pins.
 3. Unfold the canvas and attach the forward straps (E) to the deck strap eyes (F).
 4. Adjust the straps to remove any slack.
- The jaw slides (G) should not need to be adjusted.
 - If you decide to adjust the jaw slide positions, obtain the correct measurements from your selling dealer.



Canvas Care

- 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

 **CAUTION**

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, etc. from embedding in the fabric. Generally, it is easiest to wash the canvas while it is installed on your boat.

1. Use a soft-bristled brush to remove all dust and loose dirt.
2. Hose down the canvas with freshwater.
3. Gently wash the canvas with a solution of lukewarm water (no more than 100° F) and non-detergent mild soap, such as Ivory Snow®, Dreft®, or Woolite®.
4. Rinse thoroughly to remove the soap.
5. 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 (1 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 Snow®, Dreft®, or Woolite® 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.

Chapter 8: Entertainment System

Audio System (If Equipped)

NOTICE

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

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

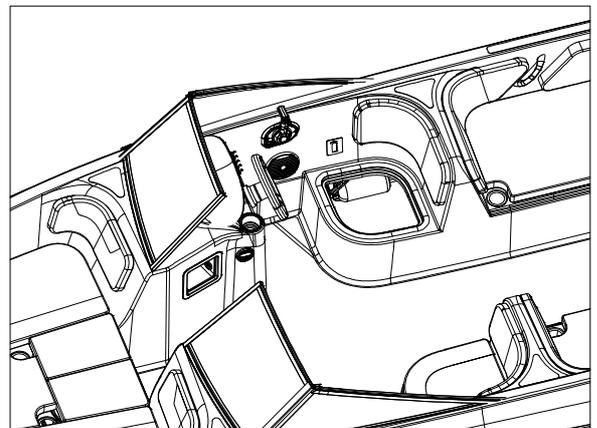
Fire Extinguisher

Portable Fire Extinguisher Rating: 13A 89C , 2kg Capacity
In case of replacement always use Marine Type extinguisher
(Corrosion resistant).

Specific warnings

Never

- obstruct passageways to exits and hatches,
- obstruct safety controls, e.g. fuel valves, gas valves, switches of the electrical system,
- obstruct portable fire extinguishers stowed in lockers,
- leave the craft unattended when cooking and/or heating appliances are in use,
- modify any of the craft's systems (especially electrical, fuel and gas) or allow unqualified personnel to modify any of the craft's systems,
- fill any fuel tank or replace gas bottles when machinery is running, or when cooking or heating appliances are in use,
- smoke while handling fuel or gas.



Designated place of portable fire extinguisher

A fire blanket, in accordance with EN 1869, shall be placed within reach of any open-flame cooker or deep fat fryer, but not so located that it may be inaccessible in the event of a fire.
The fire blanket shall be readily accessible and ready for immediate use.

Chapter 9: 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:

- There may be a blown fuse - *replace the fuse.*
- The bulb may be burned out - *carry spare replacement bulbs, making sure the wattage is correct.*
- A wire may be damaged or may have come loose - *repair as required.*
- The bulb base may be corroded - *clean the base and coat it with non-conductive electrical lubricant.*

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

Interior and Exterior Lights



CAUTION

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.

Read the navigation light section in the *Sport Boat Owner's Manual*.

Chapter 10: Electrical System



DANGER

EXTREME FIRE, SHOCK and EXPLOSION HAZARD!

- NEVER install non-ignition protected 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 laws that minimize the risks of fire and explosion.
- NEVER change the electrical systems or relevant drawings.
- Allow ONLY trained personnel to install batteries and/or do electrical system work.



WARNING

FIRE and EXPLOSION HAZARD!

Fuel vapors can explode! BEFORE turning on electrical devices or working on the electrical system:

Check the bilge areas for fuel vapors or leaking fuel. If you see leaking fuel or smell fuel vapors:

- Do NOT start the engine, do NOT turn On any electrical devices, put out ALL cigarettes, cigars, and other sources of flame or ignition.
- Get everyone off your boat.
- Get trained help to find and fix the problem.



CAUTION

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.

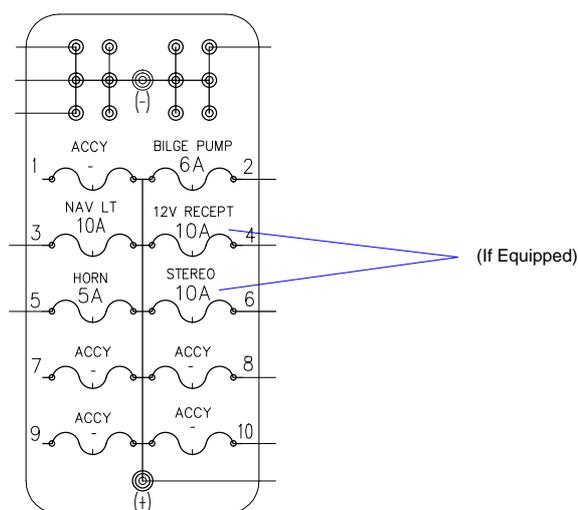
The Electrical section in the *Sport Boat Owner's Manual* provides battery care and maintenance instructions.

Fuses

Replace fuses **ONLY** with a fuse of the same rating. Fuses for the accessories are on the fuse block.

See the Component Locations section in Chapter 2 for the location of the fuse block. Fuses for the engine control and gauges are on the engine. See the engine operation manual.

Some equipment may have secondary fuse protection at the unit or at the battery.



12-Volt DC Accessory Outlet (if Equipped)

! **CAUTION**

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.
- See the Component Locations section in Chapter 2 for the location of the 12-Volt DC accessory outlet.

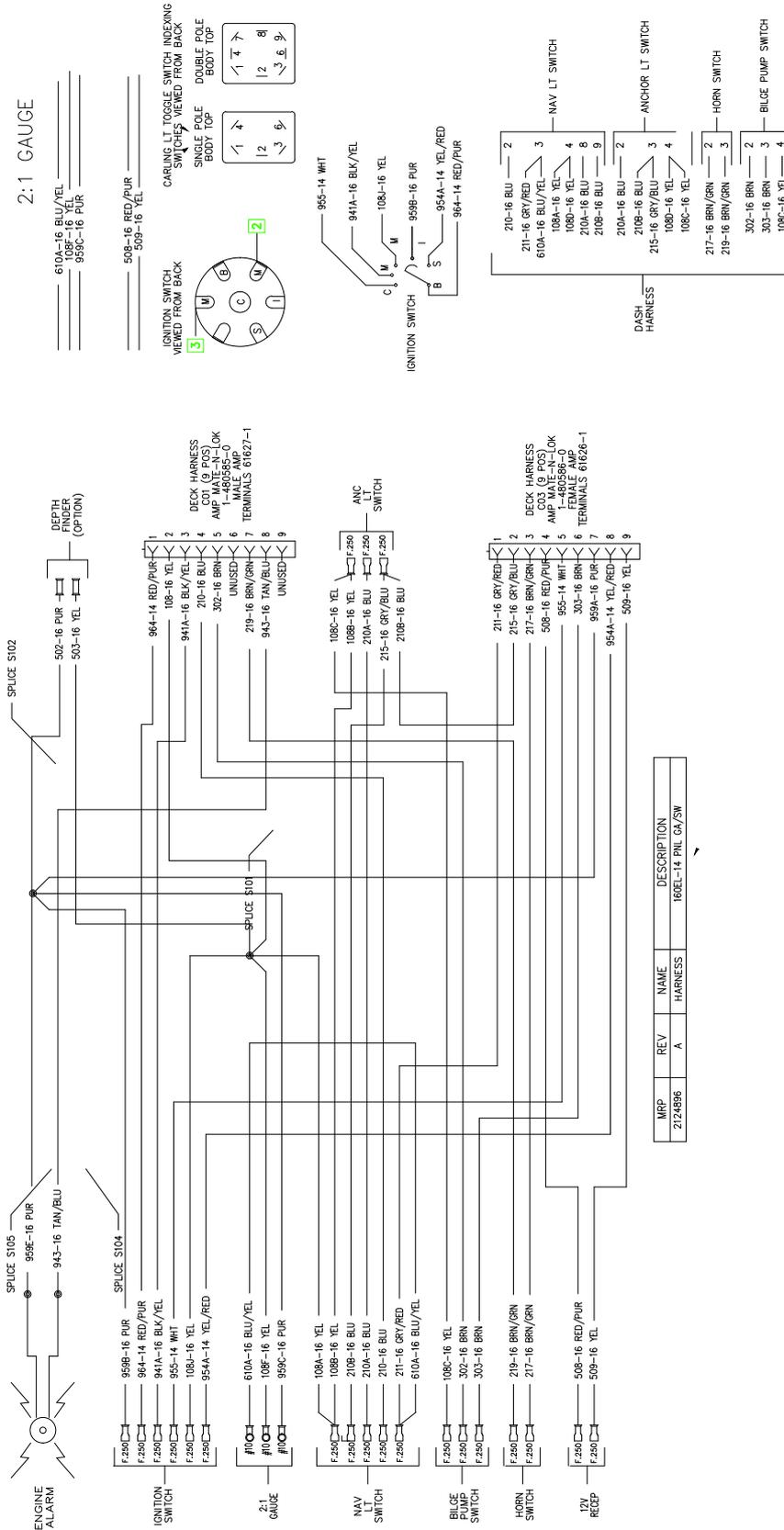
Alternator

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

WARNING — Never:

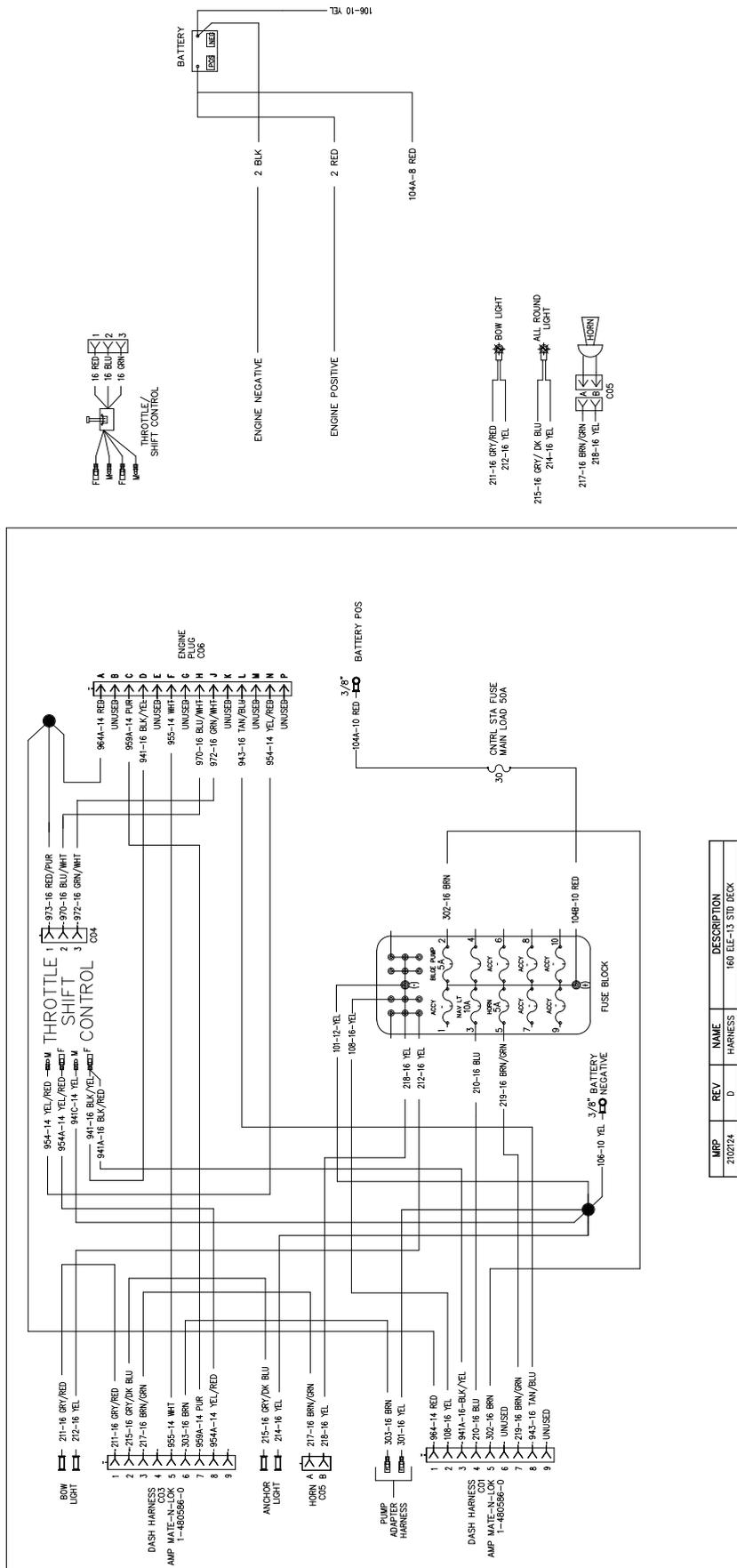
- work on the electrical installation while the system is energized;
- modify the craft's electrical system or relevant drawings. Installation, alterations and maintenance should be performed by a competent marine electrical technician;
- alter or modify the rated current amperage of overcurrent protective devices;
- install or replace electrical appliances or devices with components which exceed the rated current amperage of the circuit;
- leave the craft unattended with the electrical system energized, except automatic bilge pump, fire protection and alarm circuits.

DC Wiring Schematics (1 of 3)

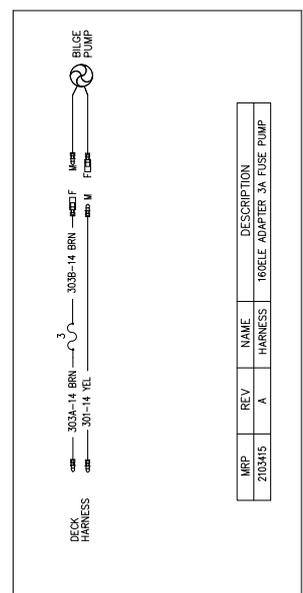


NOTES:
1. DWG 09-902 FOR CONTROL STATION INSTRUMENT/SWITCH PANEL INSTALLATION.
2. CONNECT WIRE 108J-16 YEL TO THIS "M" CONNECTOR.
3. CONNECT WIRE 941A-16 BLK/YEL TO THIS "M" CONNECTOR.

DC Wiring Schematics (2 of 3)



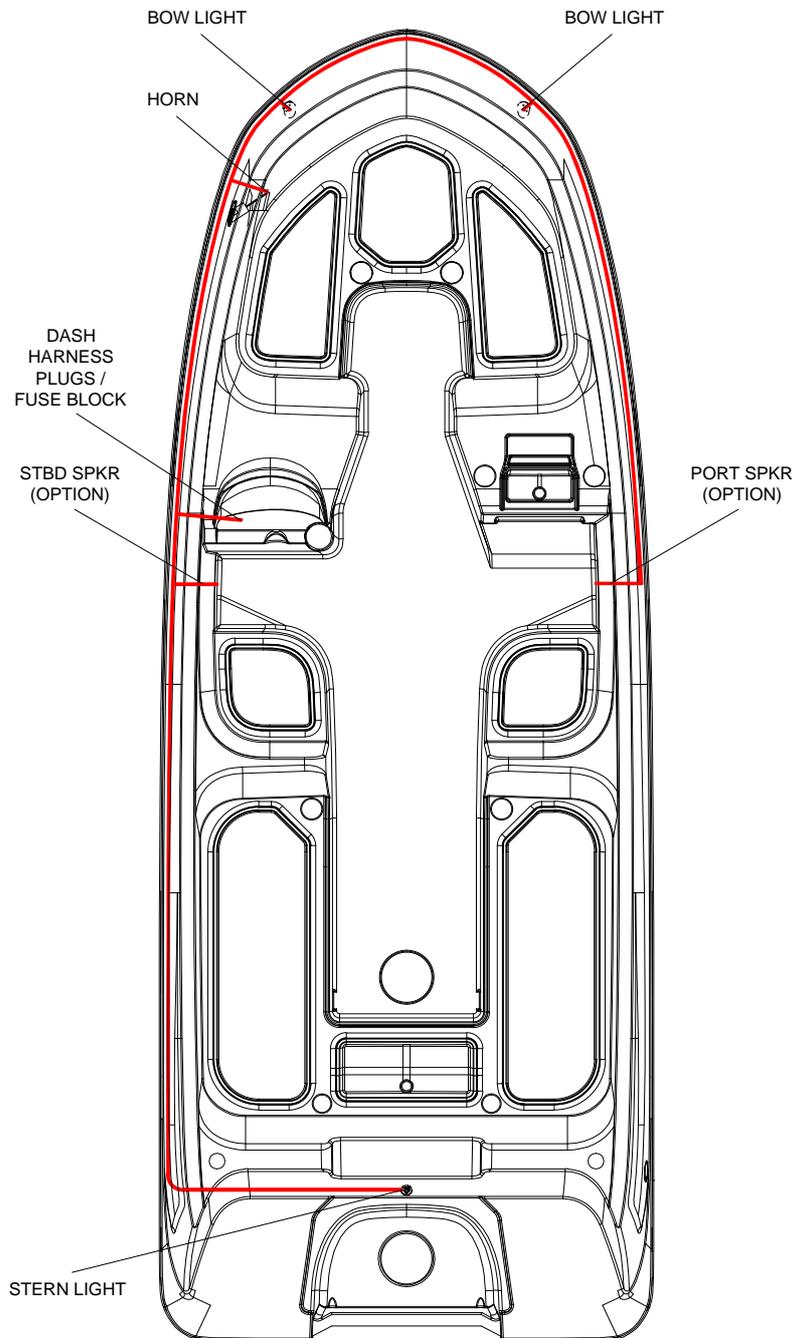
MRP	REV	NAME	DESCRIPTION
210214	D	HARNESS	160 ELE-19 STD DECK



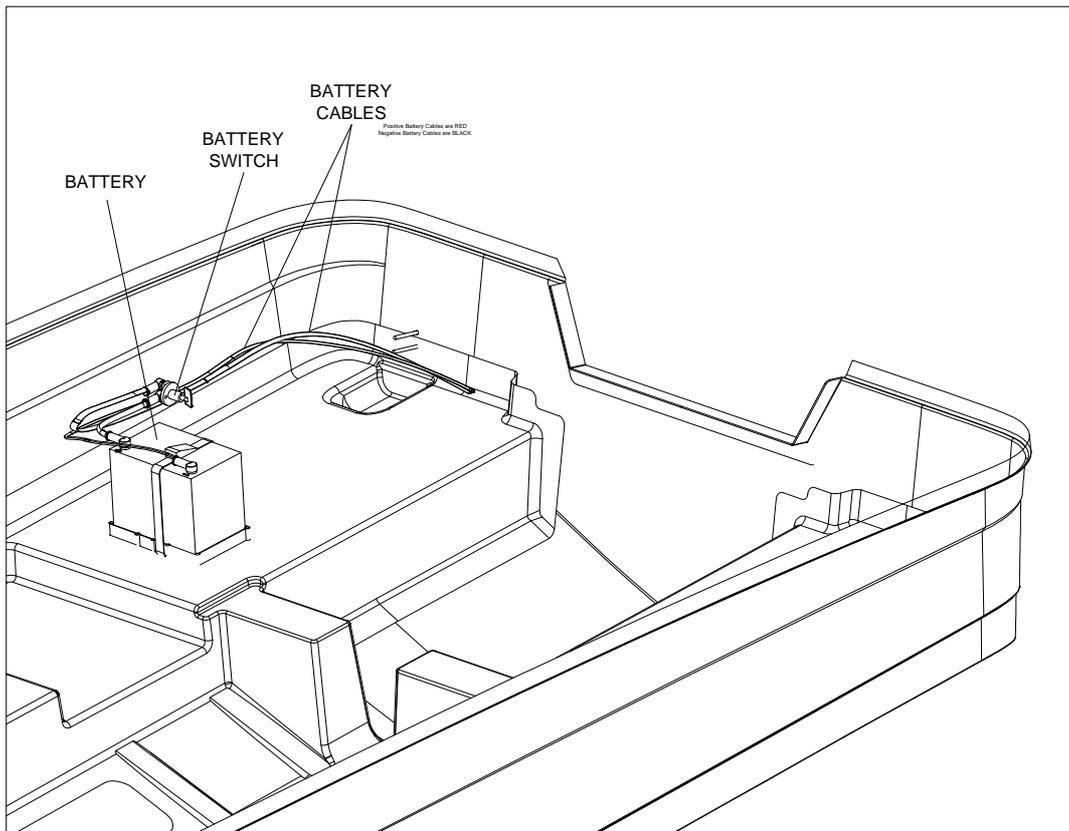
MRP	REV	NAME	DESCRIPTION
210315	A	HARNESS	169ELE ADAPTER 3A FUSE PUMP

Electrical Routings

12-Volt DC Deck Harnesses

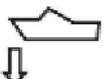
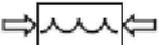


Battery Cable Routings



Key to symbols controls prints

These symbols may be found on your controls and gauges and/or used in this owner's manual. This page is to help you understand what the symbols mean.

 EMERGENCY START SWITCH (TWIN ENGINE ONLY)	 ENGINE EXHAUST CONTROL	 ENGINE ROTATIONAL SPEED	 ENGINE COOLANT	 ENGINE (COOLANT) WATER JACKET TEMPERATURE	 ENGINE OIL PRESSURE	 ENGINE
 FUEL, GENERAL	 DIESEL FUEL	 FUEL LEVEL	 FUEL FILTER	 LEADED FUEL	 UNLEADED FUEL	 ENGINE START
 BILGE BLOWER	 BILGE PUMP	 OIL	 ELAPSED TIME	 LIGHT	 INTERIOR LIGHT	 ENGINE STOP
 RUNNING LIGHTS UNDER POWER	 ANCHOR LIGHT	 FRESHWATER BASED COOLANT	 WASTE WATER/SEWAGE	 WINDSHIELD WIPER	 WINDSHIELD WASHER	 PROPELLER
 WINDSHIELD WIPER AND WASHER	 COMPASS	 ANCHOR	 HORN	 PROPULSION SYSTEM TRIM	 PROPULSION SYSTEM TRIM BOW UP	 LIFT POINT OR PROPER LOCATION OF SLING
 PROPULSION SYSTEM TRIM BOW DOWN	 TRIM TAB TRIMMING OPERATION	 SINGLE LEVER CONTROL (THROTTLE & SHIFT)	 CONTROL LEVER OPERATING DIRECTION	 ROTARY CONTROL (QUANTITY INCREASES WITH WIDTH OF SYMBOL)	 BATTERY	 LIFT POINT
 WARNING ELECTRICAL HAZARD	 FIRE RISK	 NO OPEN FLAME NO SMOKING	 WATER PUMP	 ACCESSORY		

Cruise 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 Craft

Registration/Documentation Number			Full Name		
Length	Make	Type	Male or Female	Age	Health
Hull Color		Trim Color		Full Name	
Fuel Capacity	Engine Type	Number of Engines	Male or Female	Age	Health
Distinguishing Features			Full Name		
Distinguishing Features			Male or Female	Age	Health
Distinguishing Features			Full Name		
Distinguishing Features			Male or Female	Age	Health

Operator of Craft

Full Name			Full Name		
Male or Female	Age	Health	Male or Female	Age	Health
Address			Full Name		
Address			Male or Female	Age	Health
Phone/FAX/E-mail			Full Name		
Operator's Experience			Male or Female	Age	Health

Persons Onboard

Full Name			Full Name		
Male or Female	Age	Health	Male or Female	Age	Health
Full Name			Full Name		
Male or Female	Age	Health	Male or Female	Age	Health

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