

***TROPHY***  
**CENTER CONSOLE MODELS**

**OWNER'S MANUAL SUPPLEMENT**



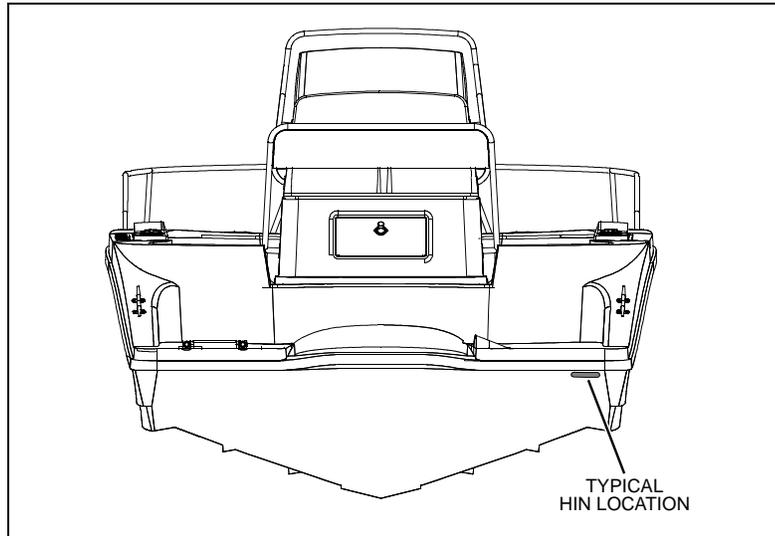
Port (or only) Engine Serial Number: \_\_\_\_\_

Starboard Engine Serial Number: \_\_\_\_\_

Hull Identification Number: \_\_\_\_\_

**Hull Identification Number**

- The Hull Identification Number (HIN) is located on the starboard side of the transom.
- Be sure to record the HIN (and the engine serial numbers) in the space provided above.
- Please refer to the HIN for any correspondence or orders.



**© 2005 Trophy Technical Publications. All rights reserved.**

No part of this publication may be reproduced, stored in any retrieval system, or transmitted in any form by any means, electronic, mechanical, photocopying, recording or otherwise, without prior written permission of Trophy.  
Printed in the United States of America.

**General Notes**

The material in this document is for information only and is subject to change without notice. While reasonable efforts have been made in the preparation of this document to assure its accuracy, Trophy assumes no liability resulting from errors or omissions in this document, or from the use of information contained herein.

Due to our commitment to product improvement, Trophy reserves the right to make changes in the product design, specifications, and equipment at any time without notice or obligation. Illustrations and/or photos may show optional equipment.

All Trophy 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.

**Proprietary Rights**

This document discloses subject matter in which Trophy has proprietary rights. The information and design disclosed herein were originated by and are the property of Trophy. Neither receipt nor possession thereof confers or transfers any right to reproduce, copy, alter or disclose the document or any part thereof, any information contained therein, or to construct boats or any item from it, except by written permission from or written agreement with Trophy. This document is to be returned upon request to Trophy.

# CONTENTS

---

## Chapter 1: Welcome Aboard!

- Dealer Service 1
- Warranty Information 1
- Boating Experience 1
- Engine & Accessory Guidelines 2
  - Engine & Accessory Literature 2
  - Propeller(s) 2
- Qualified Maintenance 3
- Special Care For Moored Boats 3
- Safety Standards 4
- Carbon Monoxide (CO) 5
  - CO Facts 5
  - Factors that Increase the Effects of CO Poisoning 5
  - Where & How CO Can Accumulate 6
  - How to Protect Yourself & Others From CO 6
  - CO Checklists 7
  - More Information 7

## Chapter 2: Product Specifications

- 1703 8
- 1903 8
- 2103 9
- 2503 9

## Chapter 3: Locations

- Exterior Views 10
  - 1703 Exterior Hull Views 10
  - 1903 Exterior Hull Views 11
  - 2103 Exterior Hull Views 12
  - 2503 Exterior Hull Views 13
  - 1703 Deck Views 14
  - 1903 Deck Views 15
  - 2103 Deck Views 16
  - 2503 Deck View 17
  - 1703 Helm View 18
  - 1903 Helm View 18
  - 2103 Helm View 19
  - 2503 Single Engine Helm View 20
  - 2503 Twin Engine Helm View 20
- Component Locations 21

## Chapter 4: Propulsion & Related Systems

- Engine(s) 38
- Fuel System 38
  - Fuel Fill & Vent 39
  - Fuel Filters 39

## Chapter 5: Controls & Gauges

- Steering 40
  - Hydraulic Steering System (If Equipped) 40
- Shift/Throttle Controls 40
- Power Trim & Tilt 40
- Trim Tabs (2103 & 2503 Only) 41
- Gauges 42
  - Cleaning the Gauges 42
  - Gauge Fogging 42
  - Radio Transmission Interference 42
  - Fuel Gauge 42
  - Twin Engine Readings (2503 Only) (If Equipped) 42

## Chapter 6: Navigation & Communication Equipment

- Compass 43
- Depth Finder (If Equipped) 43
- VHF Radio (If Equipped) 43

## Chapter 7: Plumbing

- Bilge Pump(s) 44
  - Bilge Pump Testing 45
  - Autofloat Switch(es) 46
- Seawater Systems 47
  - Seacocks 47
  - Seawater Strainers 47
- Baitwell System & Seawater Washdown Systems (If Equipped) 48
  - 1703 Baitwell & Seawater Washdown System 48
  - 1903 Baitwell & Seawater Washdown System 49
  - 2103 Baitwell & Seawater Washdown System 50
  - 2503 Baitwell & Seawater Washdown System 51
- Freshwater System (2103 & 2503 Only) (If Equipped) 52
  - Freshwater System Winterization 53
- Drain Systems 54
- Marine Head & Holding Tank (2503 Only) (If Equipped) 55
  - Macerator (2503 Only) (If Equipped) 56
- Portable Toilet (If Equipped) 56
  - Portable Toilet Pump-out (2103 & 2503 Only) (If Equipped) 57

## Chapter 8: Deck Equipment

- Cleats & Tow Eyes 58
- Windlass (2503 Only) (If Equipped) 58
- Canvas (If Equipped) 59
  - Canvas Care (see also 'Clear Vinyl Care' on next page) 60

## Chapter 9: Entertainment System

- Audio Equipment 61

---

## **Chapter 10: Lights**

Care & Maintenance **62**

Interior & Exterior Lights **62**

Navigation Lights **62**

## **Chapter 11: Electrical System**

12-Volt DC System **64**

*Battery(s)* **64**

*Battery Switch(es)* **64**

*Battery Switch Positions (2103 & 2503 Only)* **65**

*Fuses & Circuit Breakers* **65**

*12-Volt DC Accessory Outlet (10-Amp)* **66**

*12-Volt DC Accessory Outlet (20-Amp) (2503 Only)* **66**

*Alternator* **66**

*Battery Charger (2503 Only) (If Equipped)* **66**

110-Volt AC System (2503 Only) (If Equipped) **67**

*Shore Power* **67**

*Connecting to Shore Power* **68**

Electrical Routings **69**

*12-Volt DC Deck Harness - 1703* **69**

*12-Volt DC Deck Harness - 1903* **70**

*12-Volt DC Deck Harness - 2103* **71**

*12-Volt DC Deck Harness - 2503* **72**

*12-Volt DC Hull Harness - 2503* **73**

*12-Volt DC Dash Harness - 1703* **74**

*12-Volt DC Dash Harness - 1903* **74**

*12-Volt DC Dash Harness - 2103* **75**

*12-Volt DC Dash Harness - 2503* **75**

*12-Volt DC T-Top Harness - 2503 (If Equipped)* **76**

*Battery System - 1703 & 1903* **76**

*Battery System - 2103* **77**

*Battery System - 2503* **78**

Wiring Diagrams **79**

*12-Volt DC Electrical System - 1703 & 1903* **79**

*12-Volt DC Electrical System - 2103* **80**

*12-Volt DC Electrical System - 2503* **81**

*Engine Electrical System - 2503* **82**

*110-Volt AC Shore Power System - 2503 (If Equipped)* **83**

**Important Records 84**

**Float Plan 85**

## Hazard Boxes & Symbols

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

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

 **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.

 FIRE HAZARD!	 EXPLOSION HAZARD!	 NO OPEN FLAME!	 ELECTRICAL HAZARD!	 HOT HAZARD!
---	--	---	--	--

 FALLING HAZARD!	 ROTATING PROPELLER HAZARD!	 RUN BILGE BLOWERS FOR 4 MINUTES!
--	---	--

  
**DANGER**  
CARBON MONOXIDE  
CO POISONING HAZARD!

## 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.

### 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 Trophy dealer.

### Warranty Information

- Trophy offers a Limited Warranty on each new Trophy purchased through an authorized Trophy dealer.
- A copy of the Limited Warranty was included in your owner's packet.
- If you did not receive a copy of the Limited Warranty, please contact your Trophy dealer or call 360-435-8957 for a copy.

### Boating Experience

 <b>WARNING!</b>
<b>CONTROL HAZARD!</b>
<b>A qualified operator <i>MUST</i> be in control of your boat at <i>ALL</i> times. Do <i>NOT</i> operate your boat while under the influence of alcohol or drugs.</b>

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(s) and accessories were selected to provide optimum performance and service.
- Installing a different engine(s) or other accessories may cause unwanted handling characteristics.
- Should you choose to install a different engine(s) 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(s) and accessories installed on your boat come with their own operation and maintenance manuals.
- Read these manuals **before** using the engine(s) and accessories.
- Unless noted otherwise, **all** engine and accessory literature referred to in this *supplement* is included in your owner's packet.

### Propeller(s)



### CAUTION

#### **ENGINE DAMAGE HAZARD!**

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

Immediately contact your local Trophy dealer if:

- The engine(s) cannot reach the full rated RPM when full-throttle is applied, or;
- The engine(s) exceed the full rated RPM when full-throttle is applied.

- Keep the propeller(s) 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 integrity and safety of your boat, allow *ONLY* qualified personnel to perform maintenance on, or change, in any way, the:

- Steering system
- Propulsion system
- Engine control system
- Fuel system
- Environmental control system
- Electrical system
- Navigational system

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

## Special Care For Moored Boats

### NOTICE

- To help seal the hull bottom and reduce the possibility of gel coat blistering on moored boats, apply an epoxy barrier coating.
- The barrier coating should be covered with several coats of anti-fouling paint.
- Many states regulate the chemical content of bottom paints in order to meet environmental standards. Check with your local dealer about recommended bottom paints, and about the laws in effect in your area.

- Whether moored in saltwater or freshwater, your boat will collect marine growth on its hull bottom.
- This will detract from 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 swim platform while the engine(s) are running.
- Teak surfing, dragging, or water skiing within 20 feet of a moving watercraft can be fatal.

**⚠ DANGER!**

**PERSONAL SAFETY HAZARD!**

- **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(s) 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.

## Carbon Monoxide (CO)

 <b>DANGER!</b>	
	<ul style="list-style-type: none"><li>• Carbon monoxide gas (CO) is colorless, odorless, tasteless, and extremely dangerous.</li><li>• <i>ALL</i> engines, generators, and fuel burning appliances produce CO as exhaust.</li><li>• Prolonged exposure to low concentrations or very quick exposure to high concentrations <i>WILL</i> cause <i>BRAIN DAMAGE</i> or <i>DEATH</i>.</li><li>• Teak surfing, dragging, or water skiing within 20 feet of a moving watercraft can be fatal.</li></ul>

### **CO Facts**

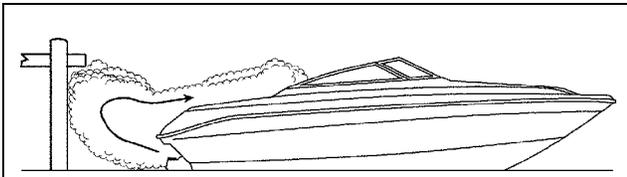
- CO poisoning causes a significant number of boating deaths each year.
- Called the "silent killer", CO is an extremely toxic, colorless, odorless and tasteless gas.
- CO can harm or even kill you inside or outside your boat.
- CO can affect you whether you're underway, moored, or anchored.
- CO symptoms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

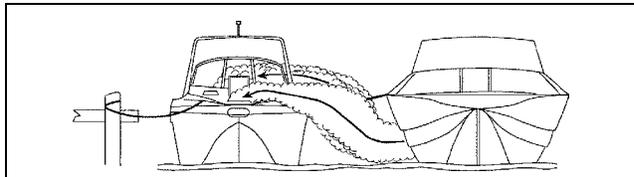
- Age
- Smokers or people exposed to high concentrations of cigarette smoke
- Consumption of alcohol
- Lung disorders
- Heart problems
- Pregnancy

## Where & How CO Can Accumulate

Stationary conditions that increase CO accumulations include:



**A.** Using engine, generator, or other fuel burning device when boat is moored in a confined space.

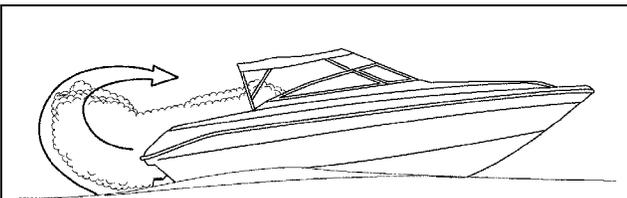


**B.** Mooring too close to another boat that is using its engine, generator, or other fuel burning device.

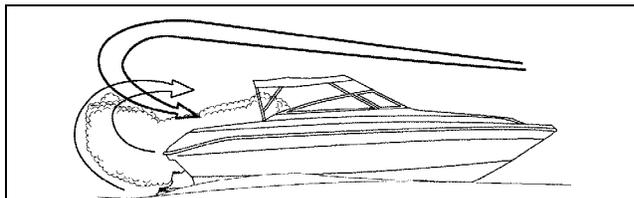
To correct stationary situations A and/or B:

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

Running conditions that increase CO accumulations include:



**C.** Running boat with trim angle of bow too high.



**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](http://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.
- 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 engine(s) is 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.

### 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  
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

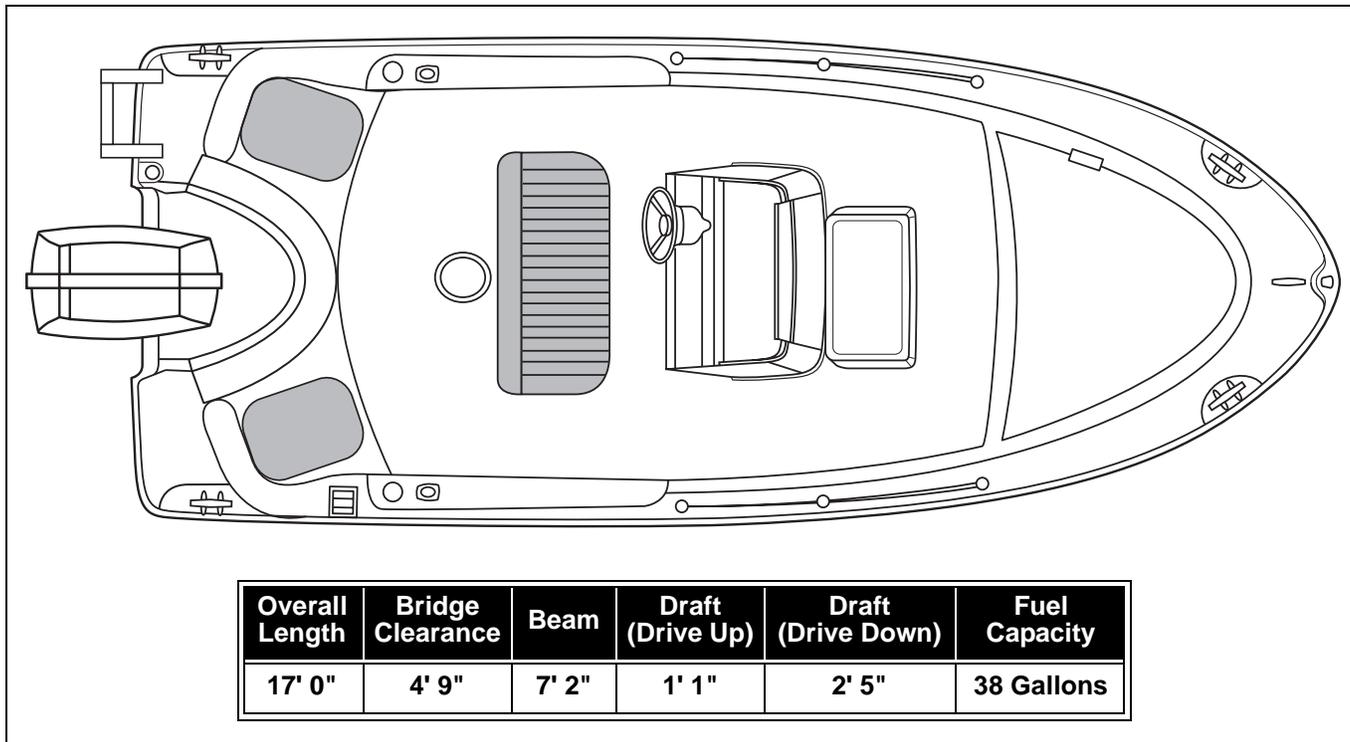
American Boat & Yacht Council, Inc.  
(ABYC)  
3069 Solomon's Island Road  
Edgewater, MD 21037-1416  
www.abycinc.org  
410-956-1050

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

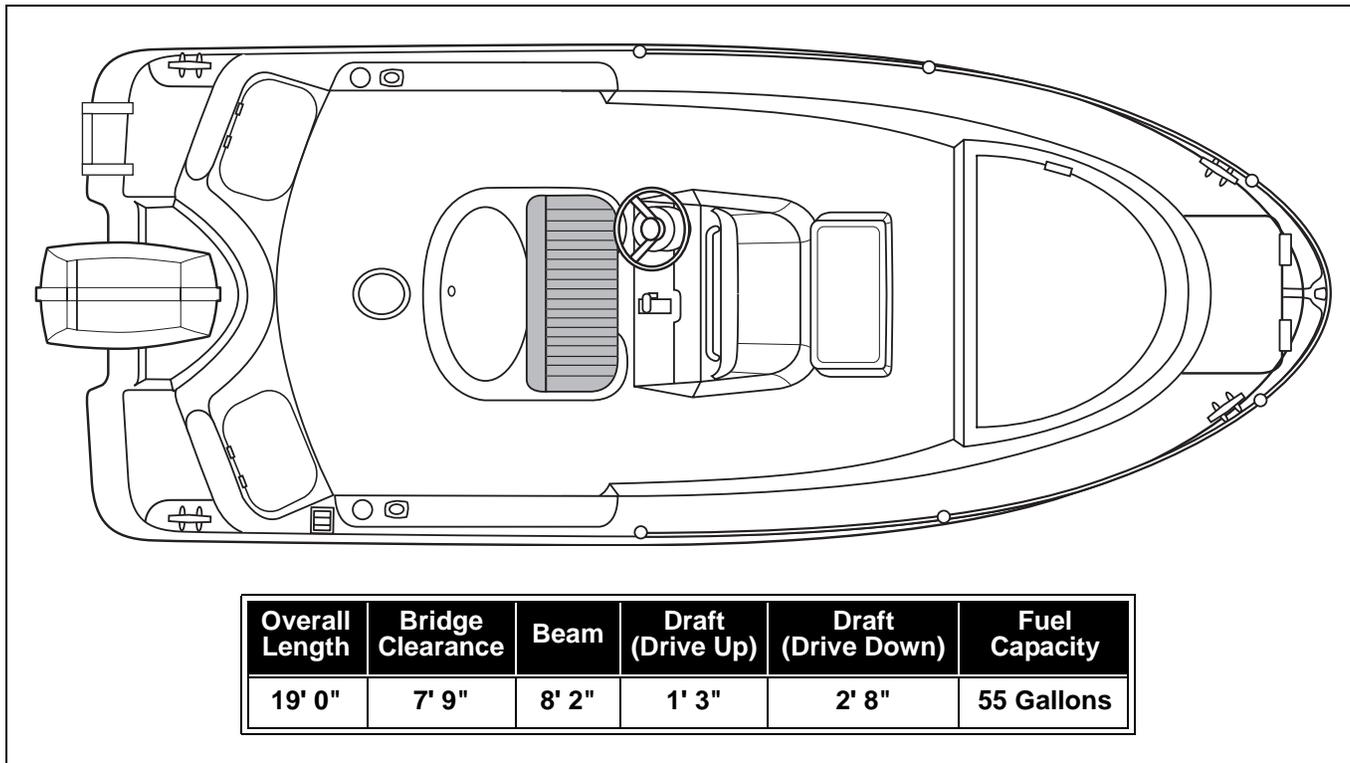
- U.S. Coast Guard Auxiliary: 1-800-368-5647 or on the Internet at: <http://www.cgaux.org>
- U.S. Power Squadrons: 1-888-FOR-USPS (1-888-367-8777) or on the Internet at: <http://www.usps.org>

## Chapter 2: Product Specifications

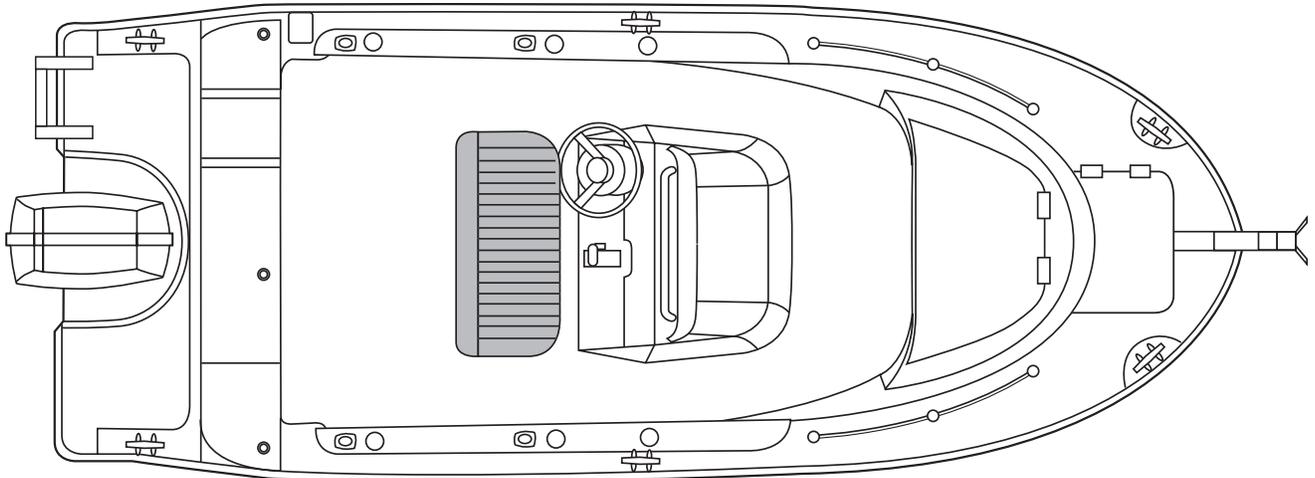
### 1703



### 1903

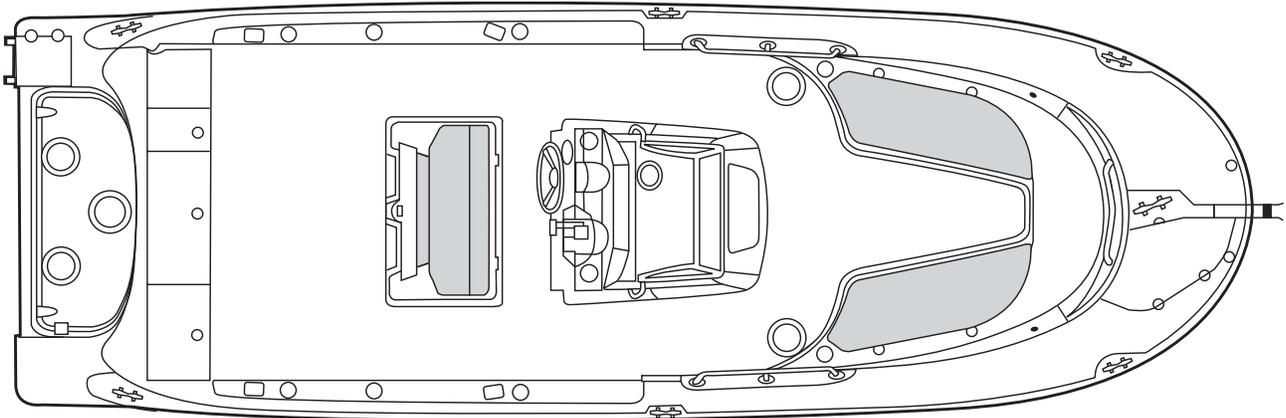


### 2103



Overall Length	Bridge Clearance	Beam	Draft (Drive Up)	Draft (Drive Down)	Fuel Capacity	Freshwater Capacity
22' 3"	8' 0"	8' 6"	1' 6"	2' 11"	110 Gallons	20 Gallons

### 2503

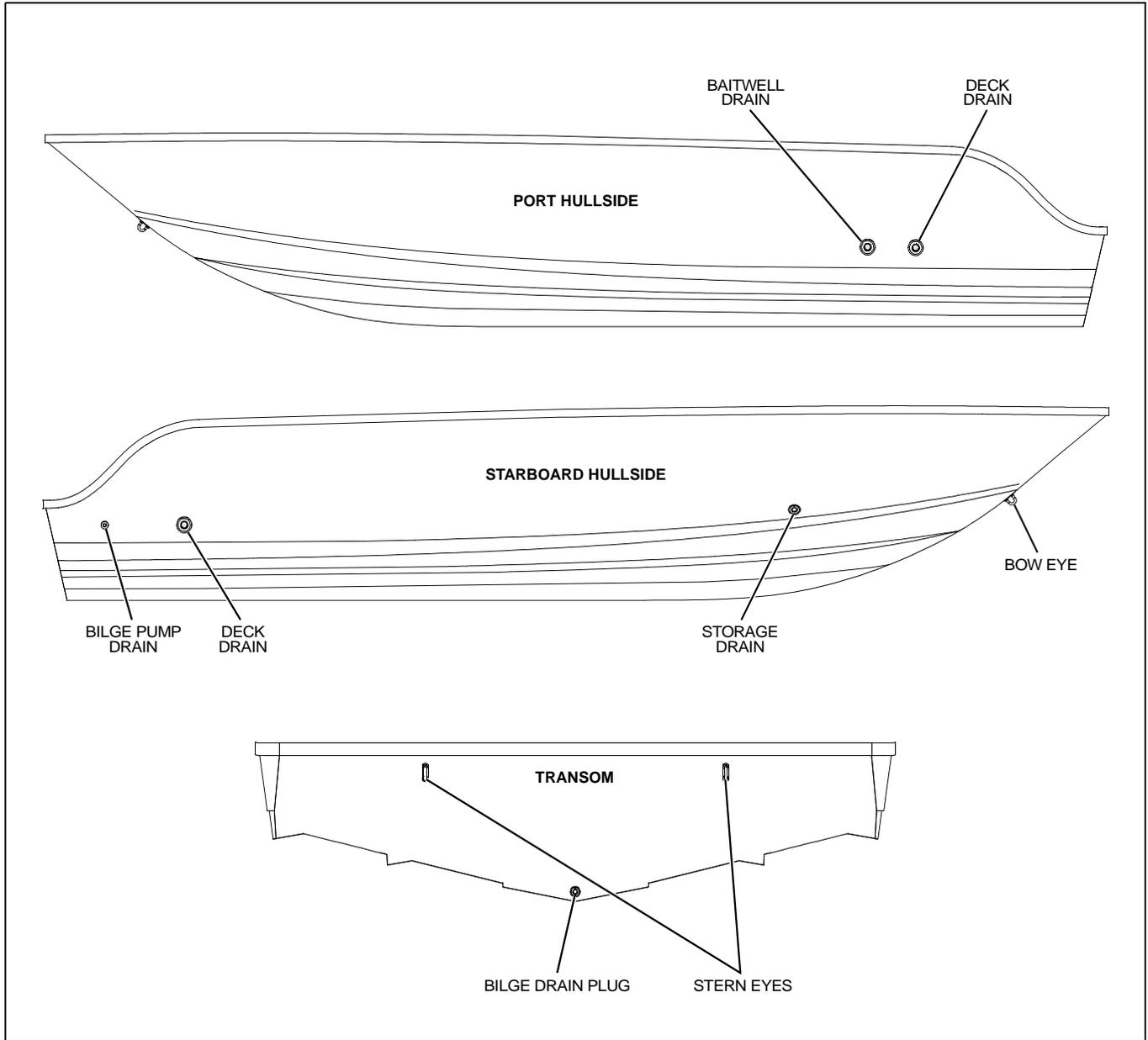


Overall Length	Bridge Clearance	Beam	Draft (Drive Down)	Draft (Drive Up)	Fuel Tank (gallons)	Freshwater Tank (gallons)	Holding Tank (gallons)
25'	8' 3"	8' 6"	3' 3"	1' 10"	163	20	15

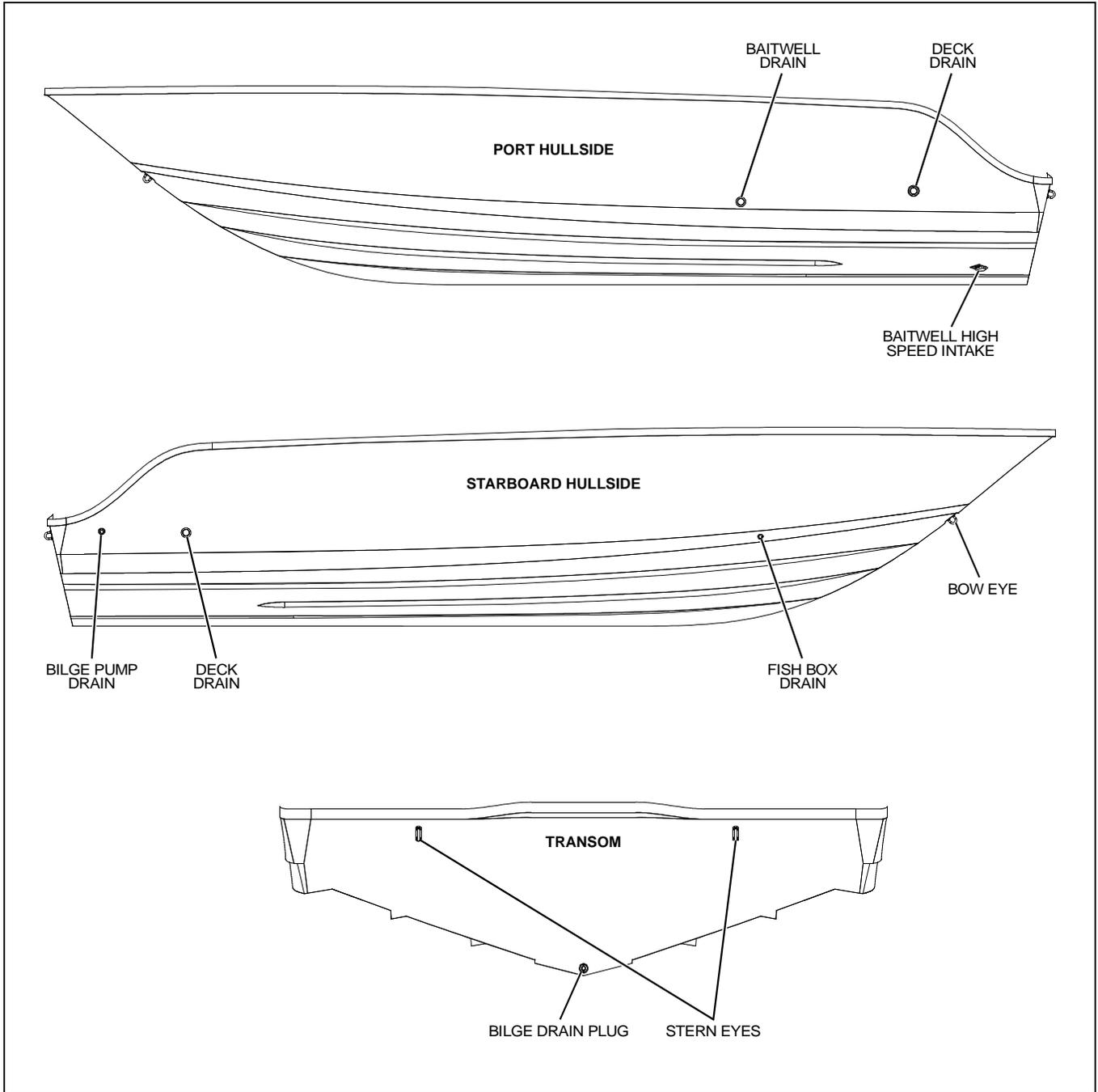
# Chapter 3: Locations

## Exterior Views

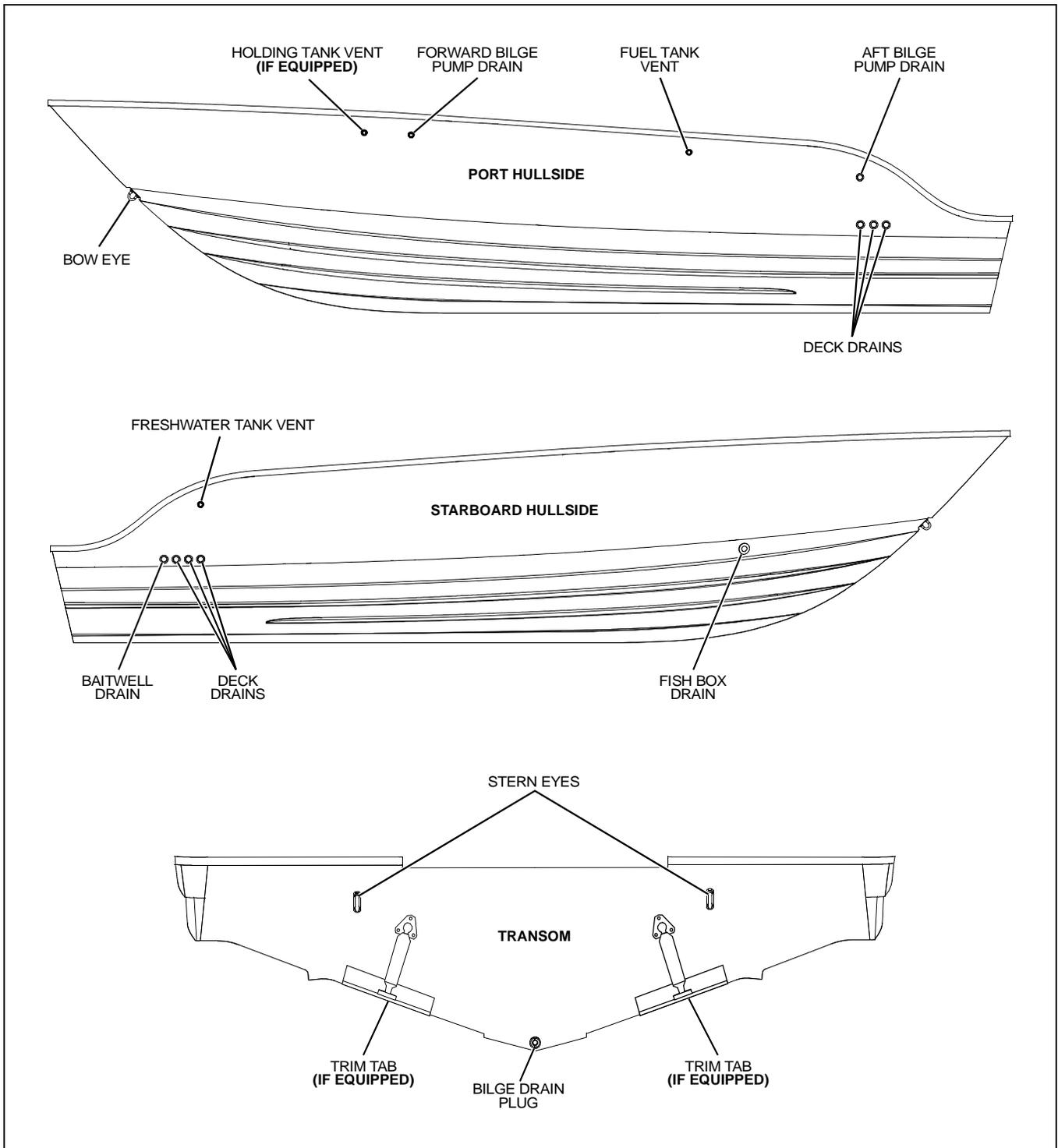
### 1703 Exterior Hull Views



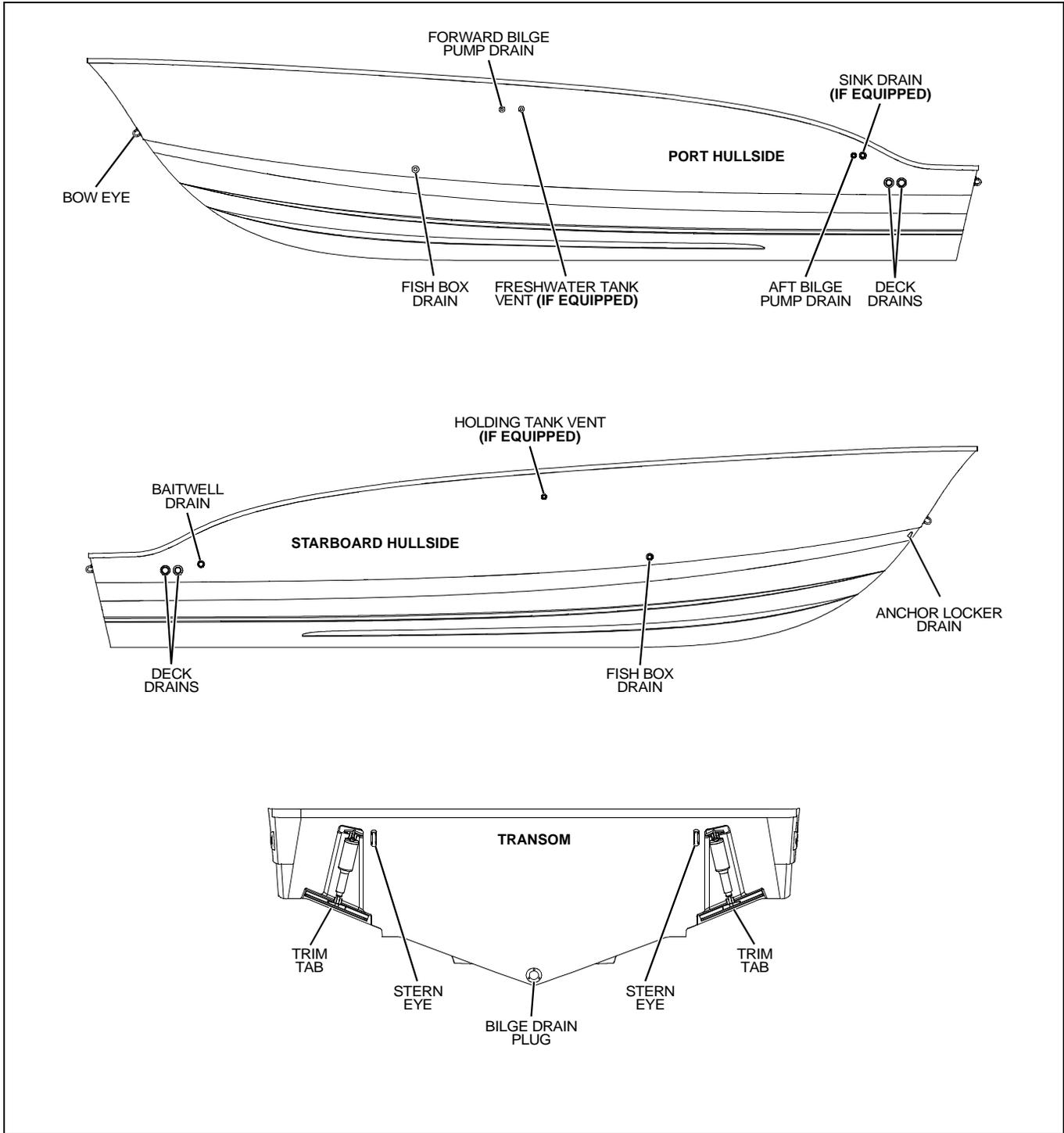
### 1903 Exterior Hull Views



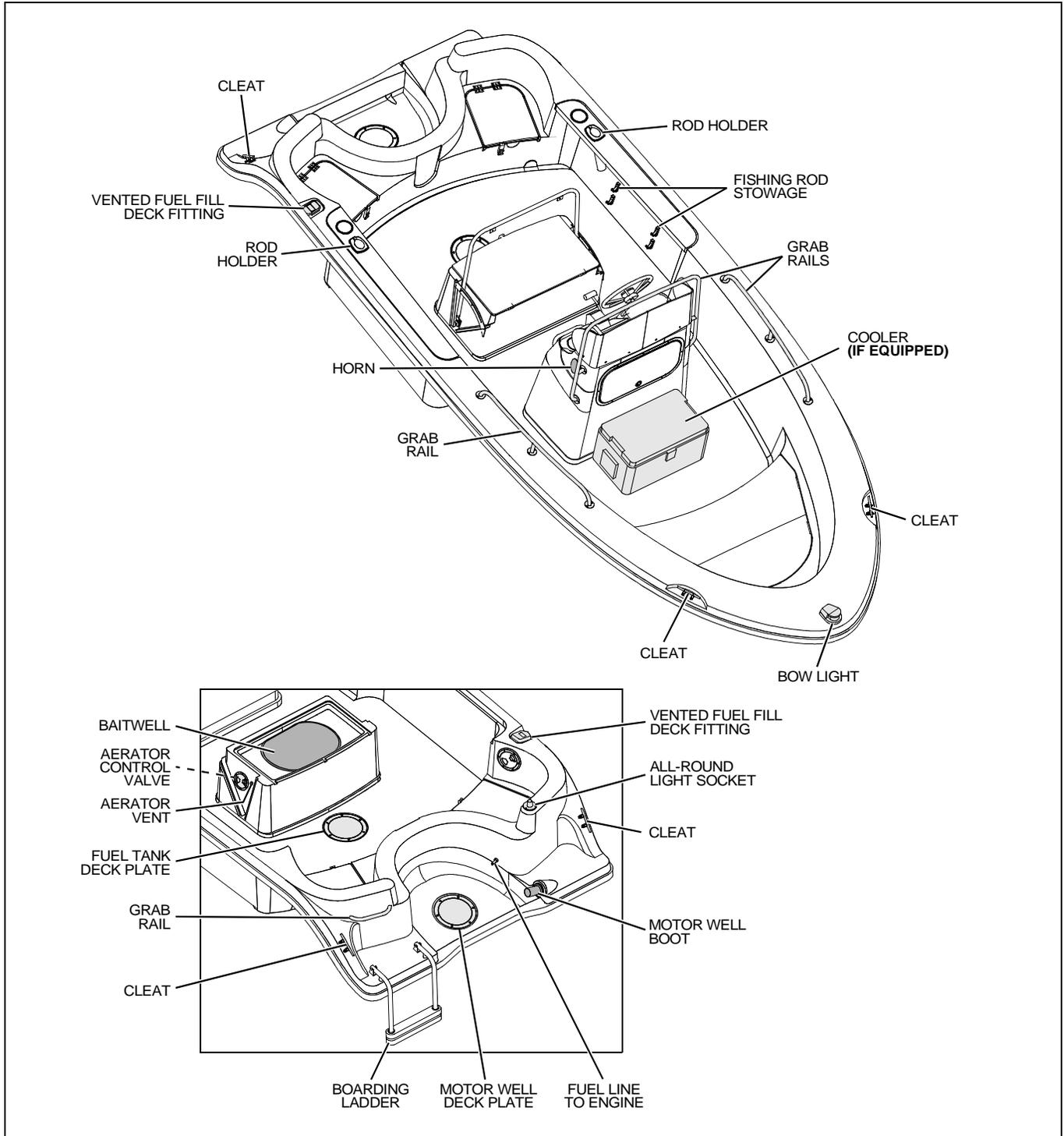
### 2103 Exterior Hull Views



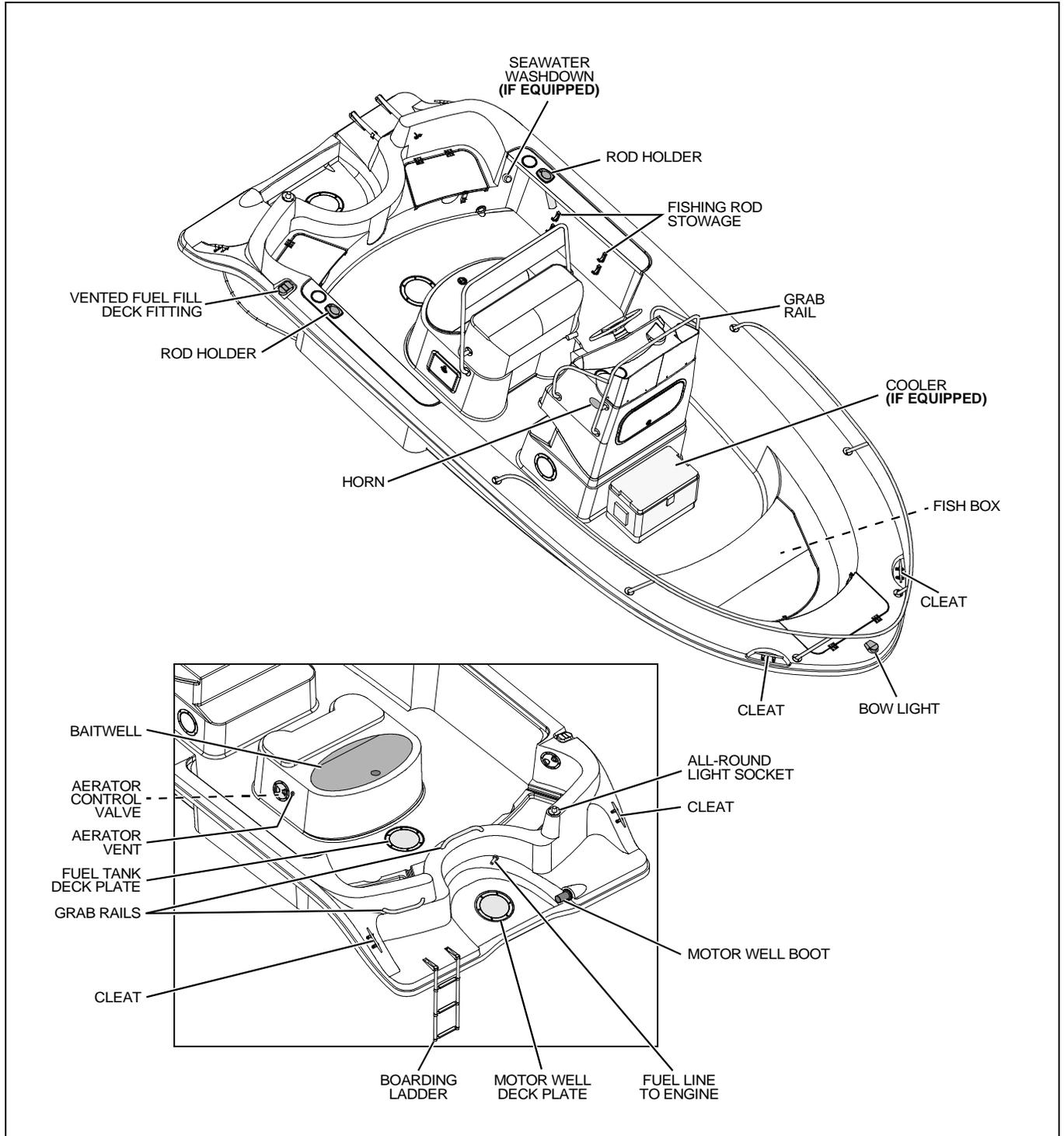
### 2503 Exterior Hull Views



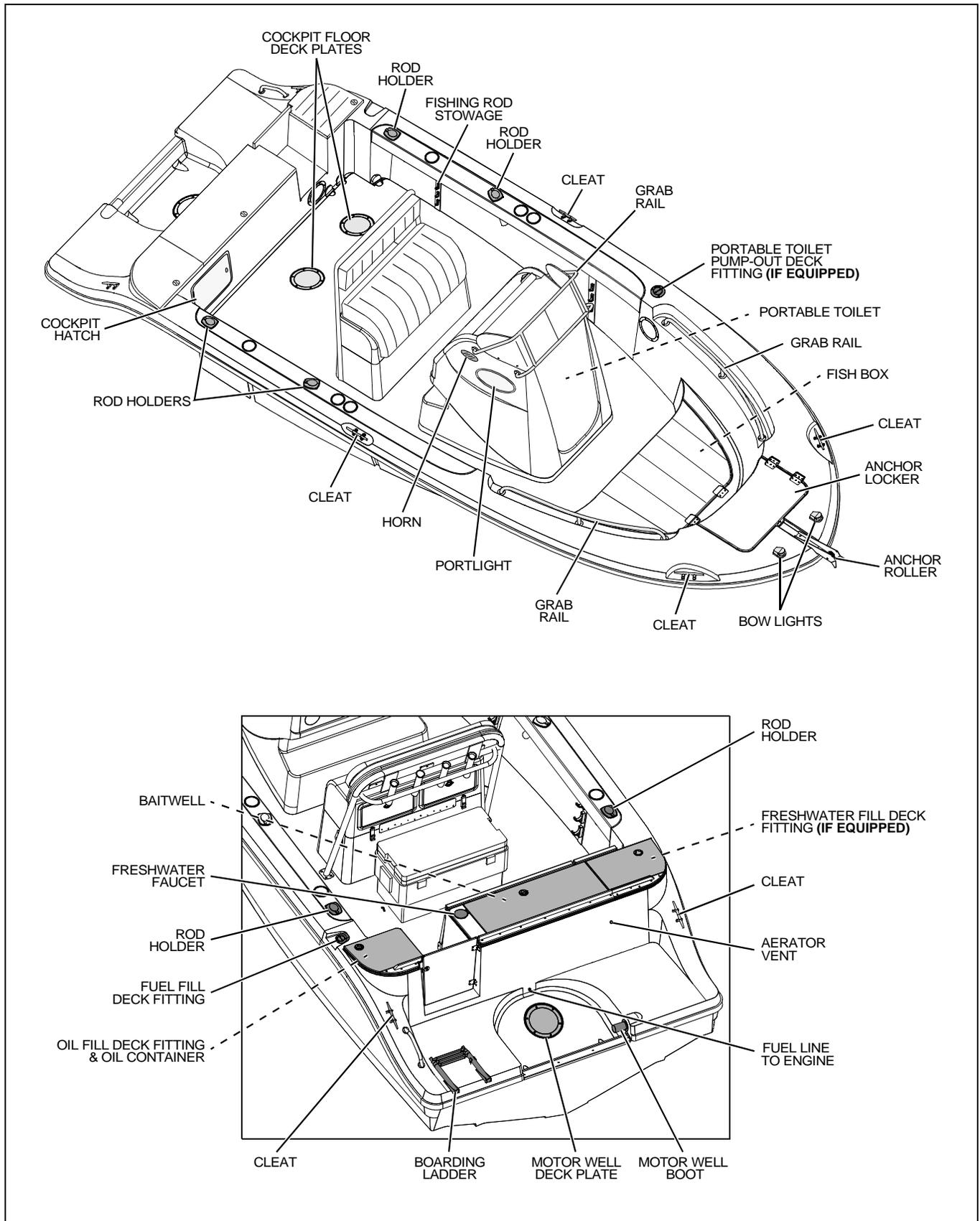
### 1703 Deck Views



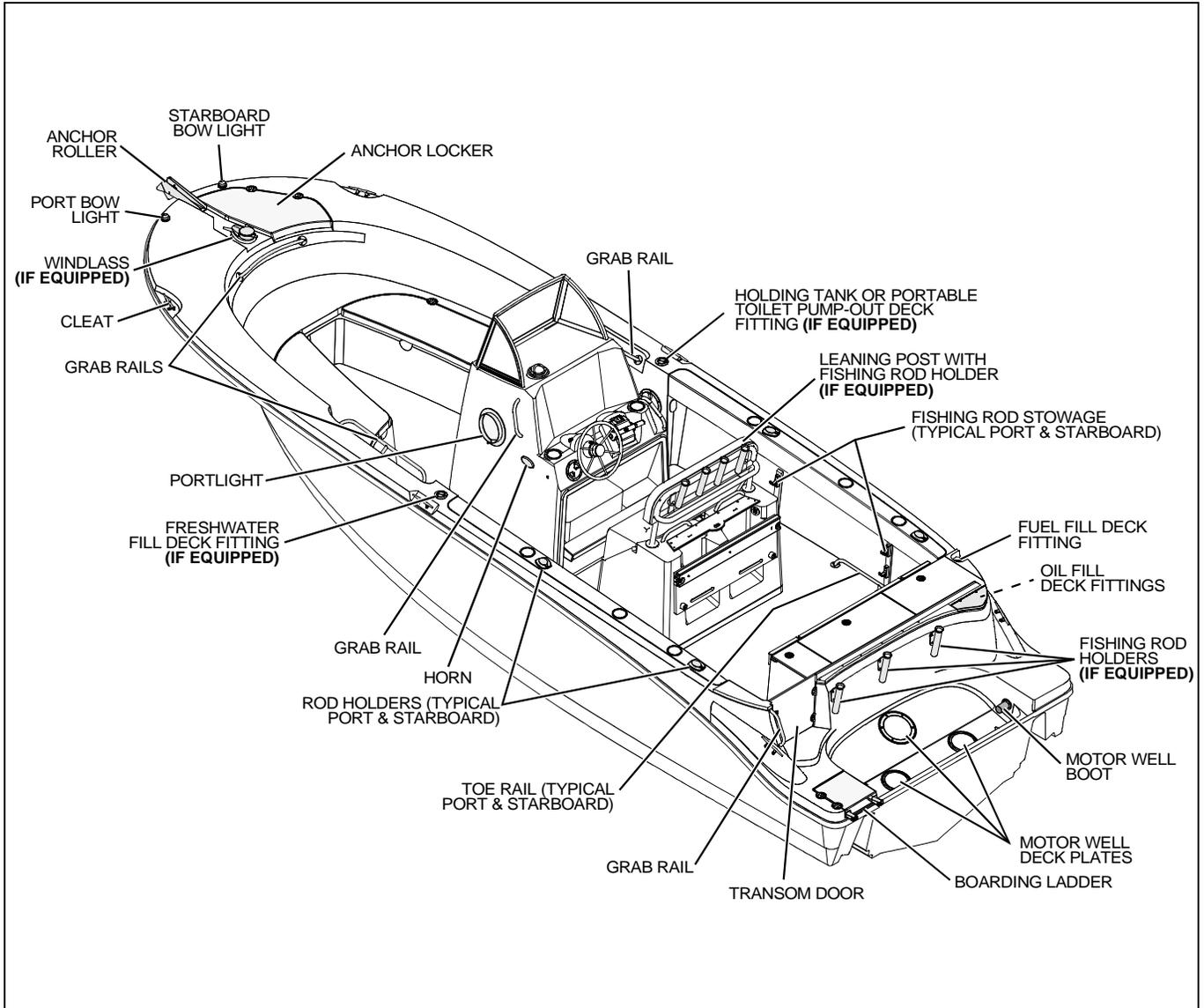
### 1903 Deck Views



### 2103 Deck Views

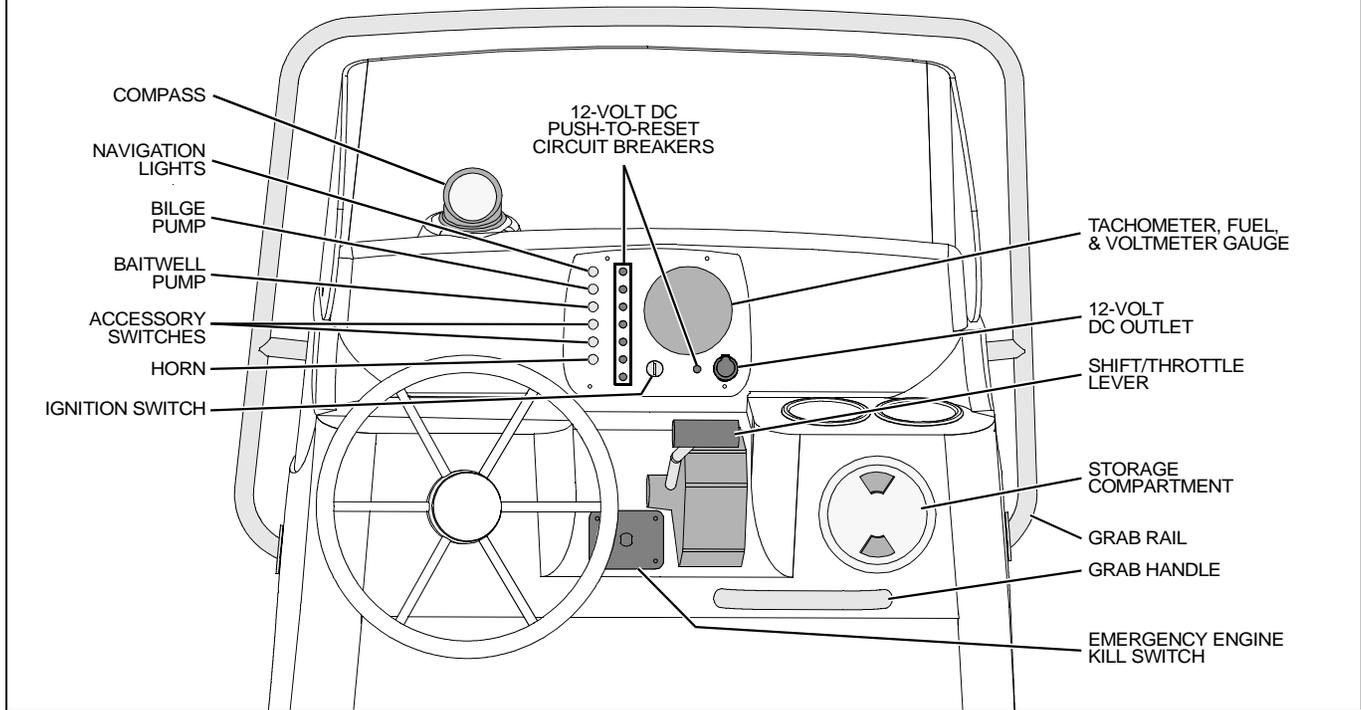


### 2503 Deck View



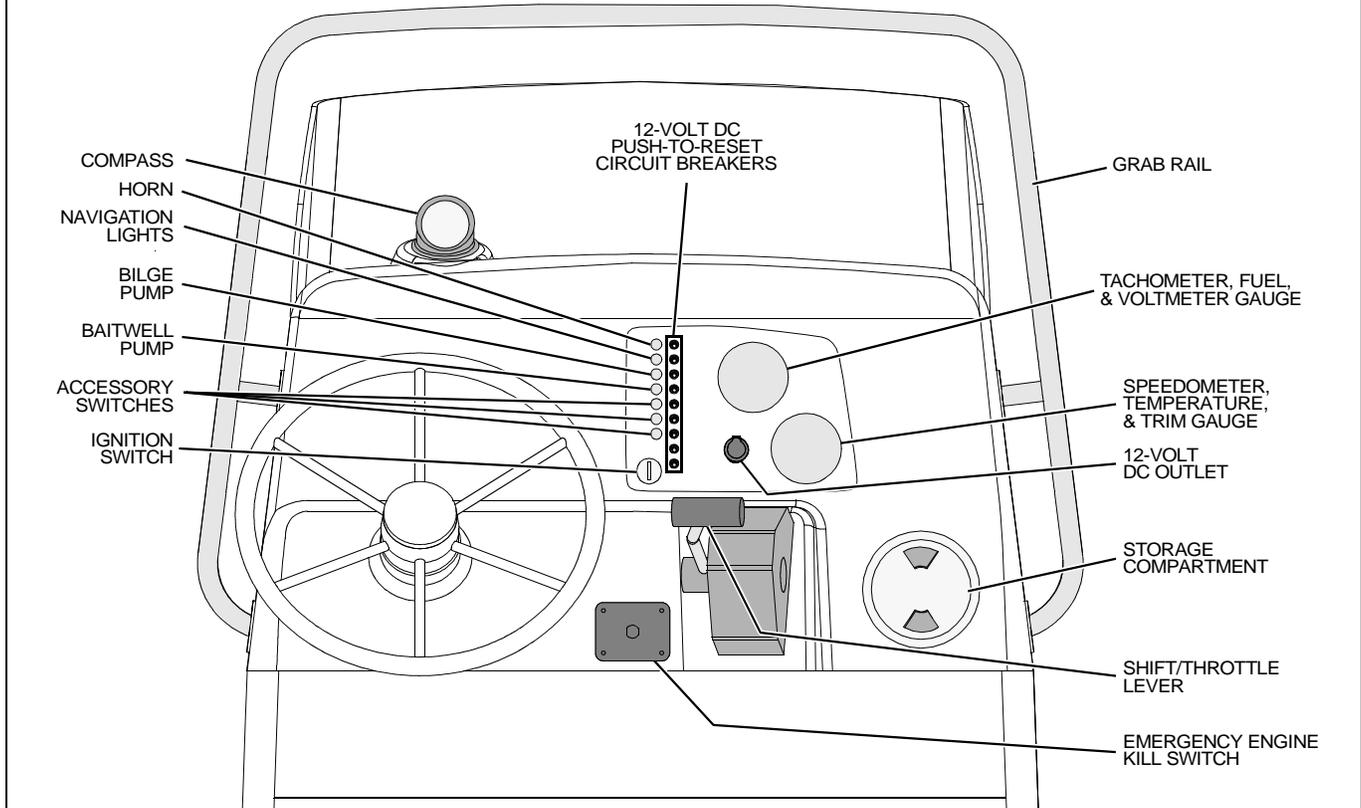
### 1703 Helm View

NOTE: TYPICAL HELM LAYOUT SHOWN. ACTUAL LAYOUT MAY VARY DEPENDING ON ENGINE AND ACCESSORY OPTIONS.

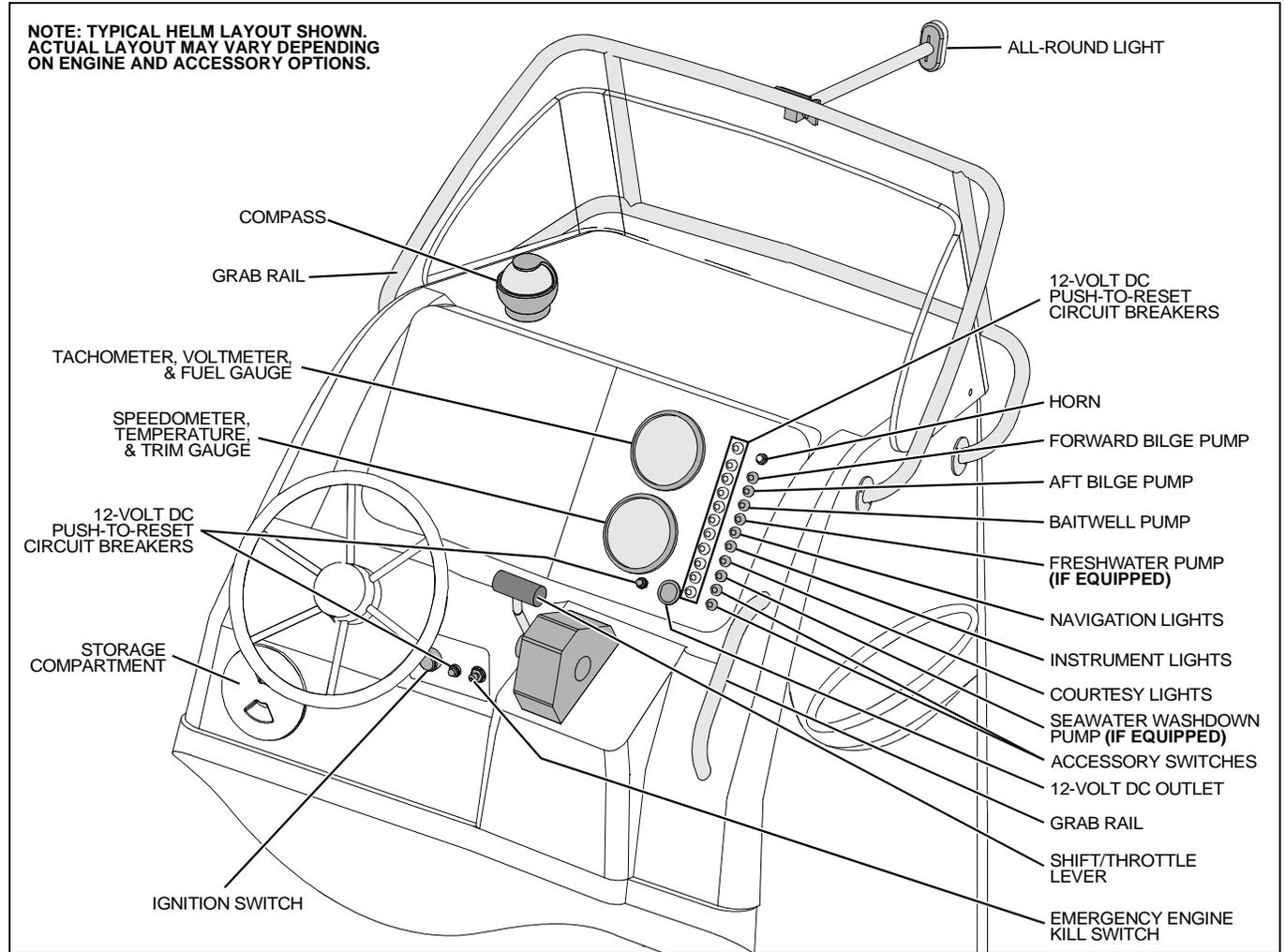


### 1903 Helm View

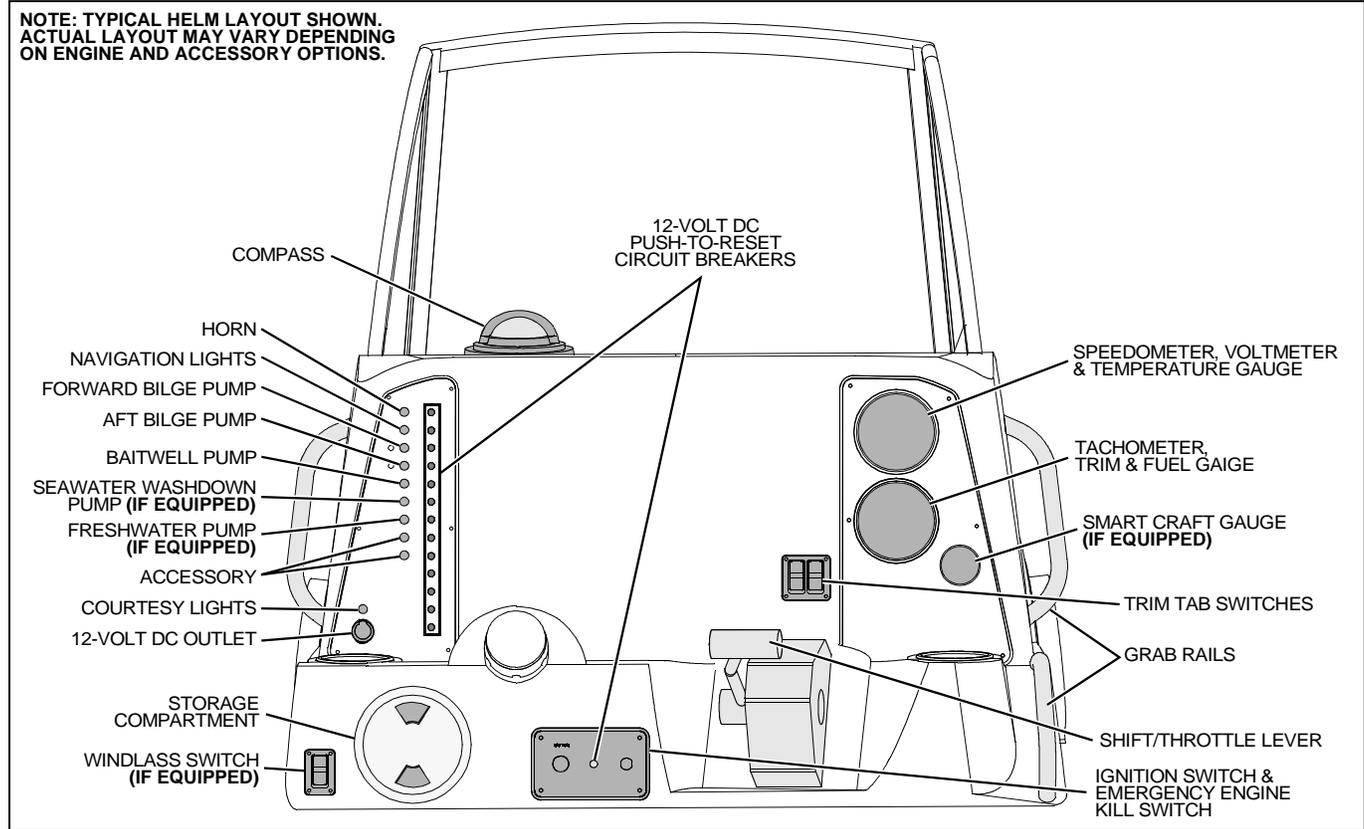
NOTE: TYPICAL HELM LAYOUT SHOWN. ACTUAL LAYOUT MAY VARY DEPENDING ON ENGINE AND ACCESSORY OPTIONS.



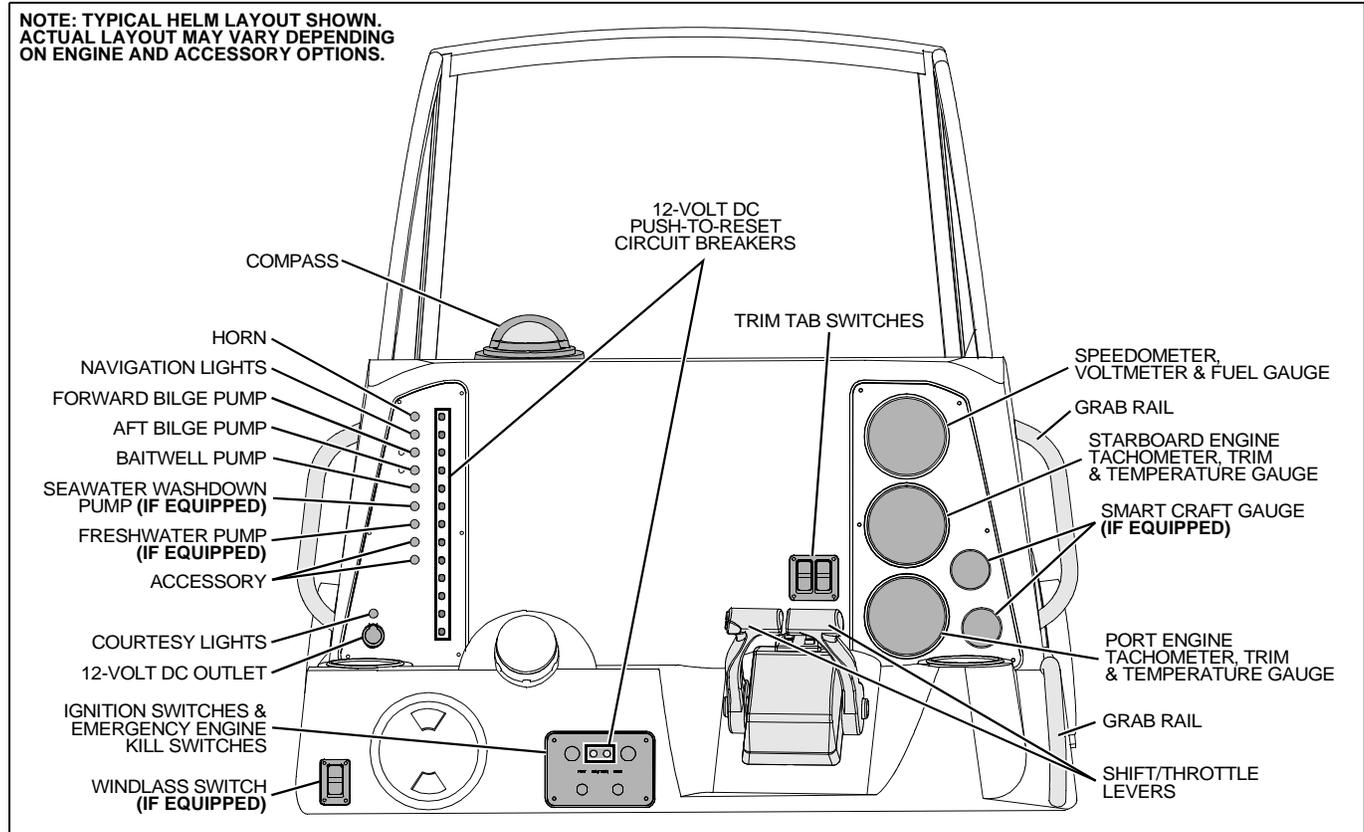
### 2103 Helm View



### 2503 Single Engine Helm View

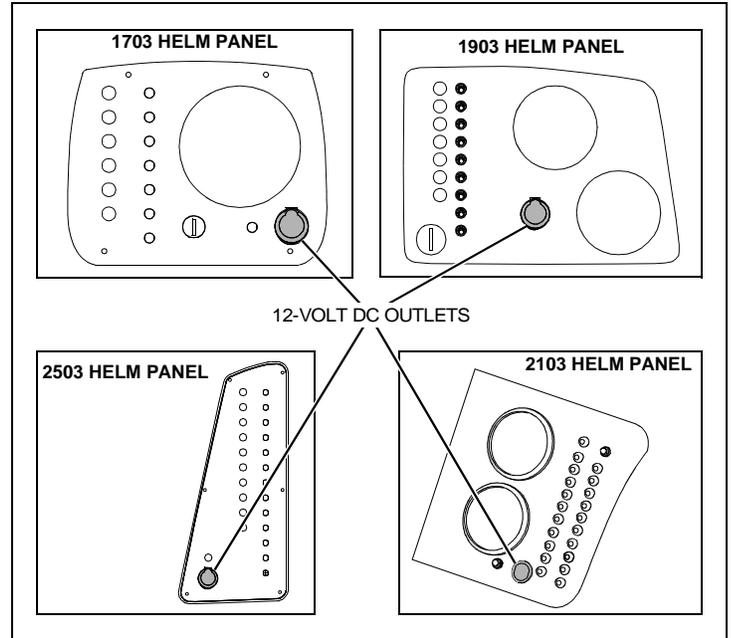


### 2503 Twin Engine Helm View

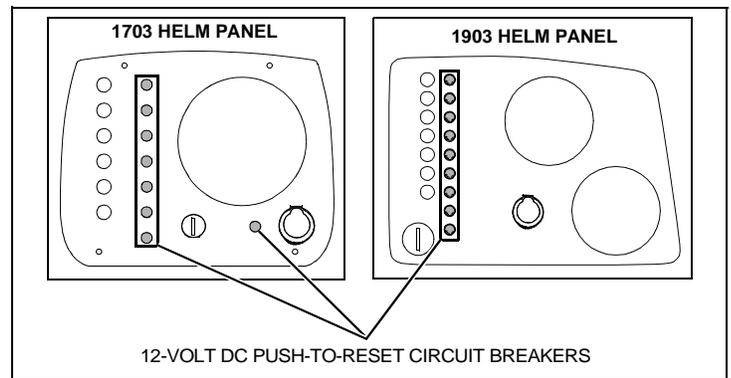


## Component Locations

**12-Volt DC Accessory Outlet:** Located at the helm.



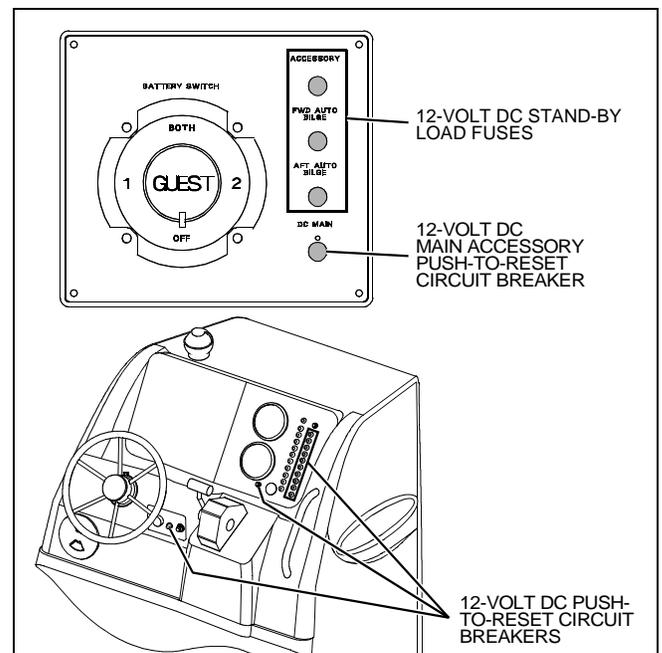
**12-Volt DC Push-to-Reset Circuit Breakers - 1703 & 1903:** Located at the helm.



**12-Volt DC Push-to-Reset Circuit Breakers - 2103:**

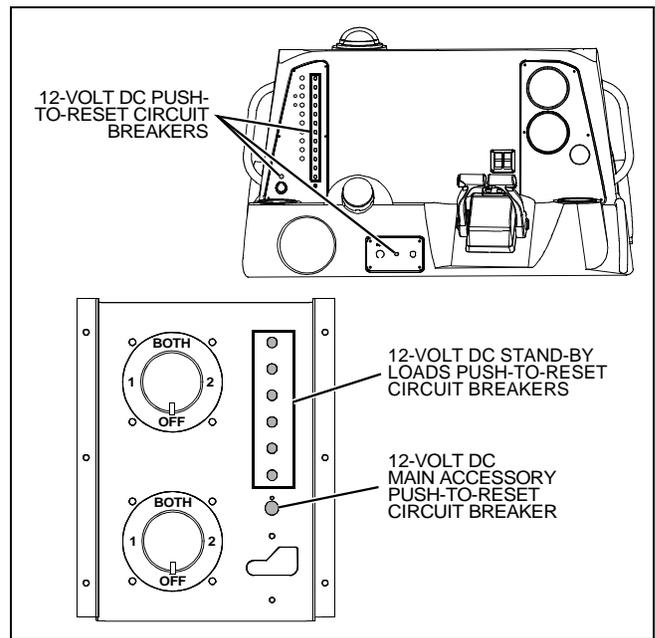
- The 12-volt DC push-to-reset circuit breakers are located at the helm.
- The 12-volt DC main accessory push-to-reset circuit breaker is located on the battery switch panel.

**12-Volt DC Stand-by Loads Fuses - 2103:** Located on the battery switch panel.



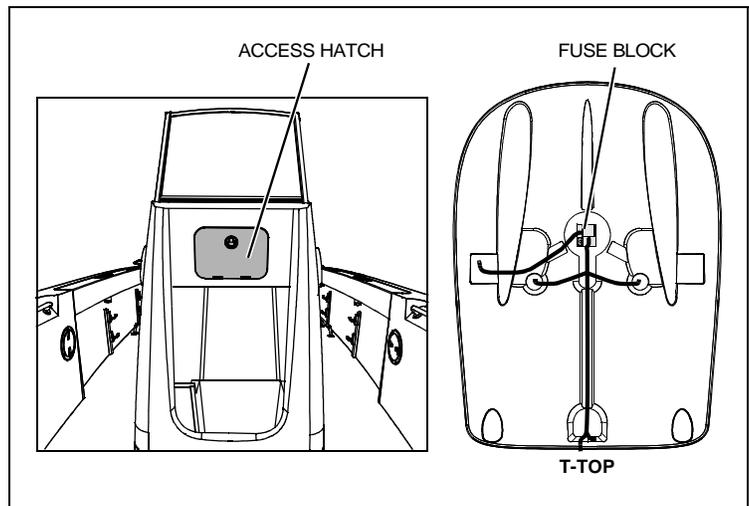
**12-Volt DC Push-to-Reset Circuit Breakers - 2503:**

- The 12-volt DC push-to-reset circuit breakers are located at the helm.
- The 12-volt DC main accessory push-to-reset circuit breaker and stand-by loads push-to-reset circuit breakers are located on the battery switch panel.

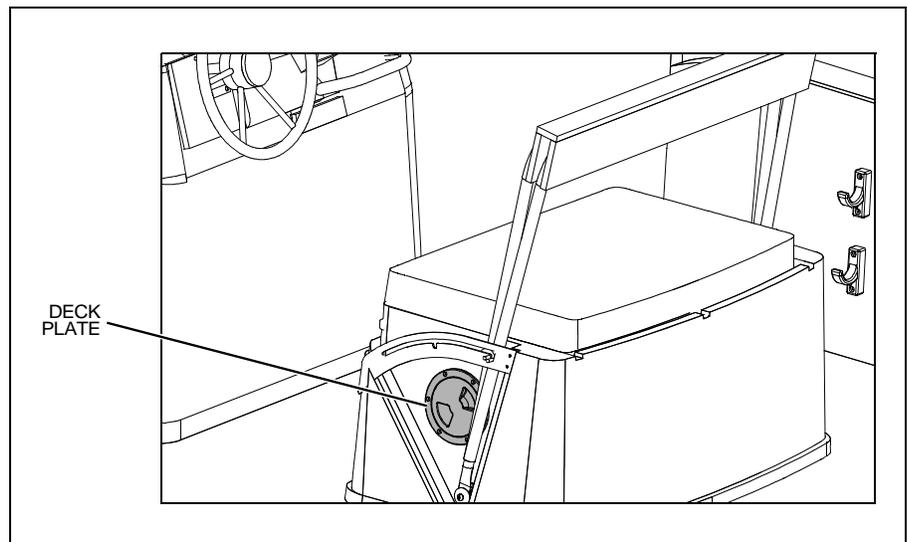


**12-Volt DC Fuse Blocks (If Equipped) - 2503:**

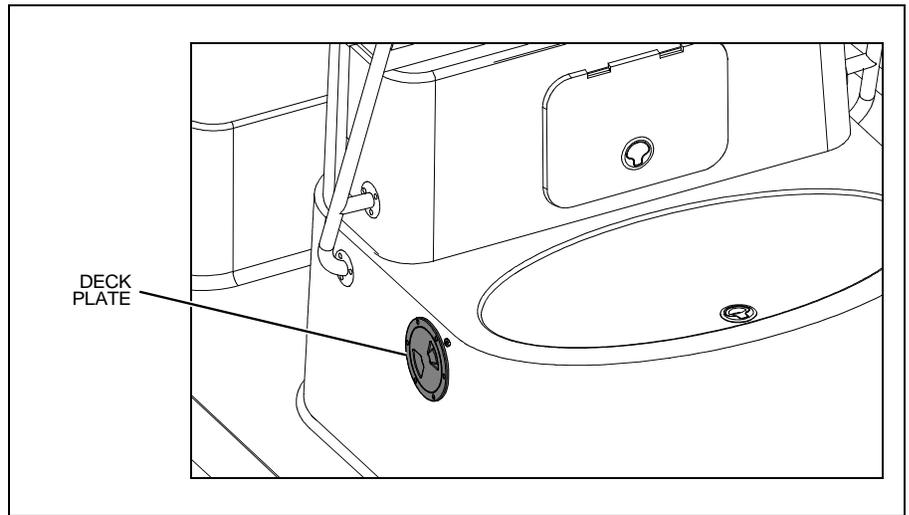
- One is located below the helm and can be accessed through a wall hatch in the aft wall of the head.
- One is located in the t-top (if equipped) and can be accessed by removing the center cover plate.



**Baitwell Aerator Control Valve - 1703:** Access through the deck plate on the port side of the helm seat base.



**Baitwell Aerator Control Valve - 1903:** Access through the deck plate on the port side of the helm seat base.

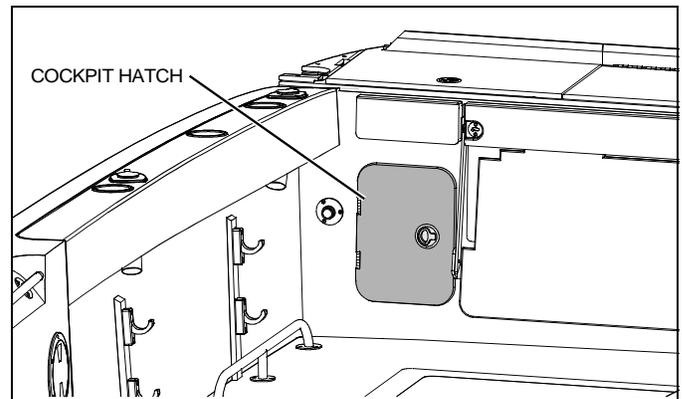


**Baitwell Aerator Control Valve - 2103 & 2503:** Located inside the starboard aft cockpit hatch.

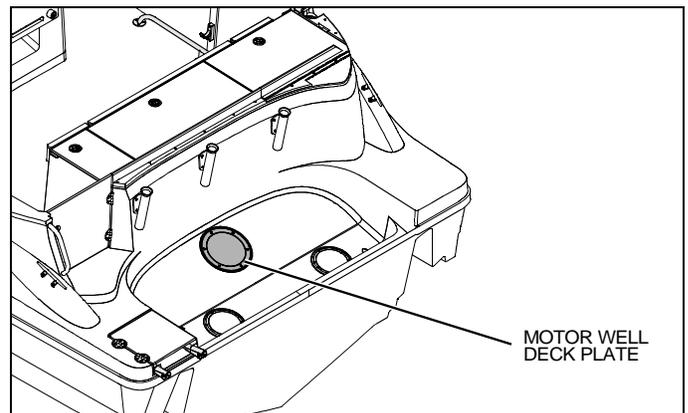
**Baitwell/Seawater Drain Control Y-Valve - 2103:** Located inside the starboard aft cockpit hatch.

**Baitwell/Seawater Drain Seacock - 2503:** Located inside the starboard aft cockpit hatch.

**Baitwell/Seawater Intake Pump - 2103 & 2503:** Located inside the starboard aft cockpit hatch.



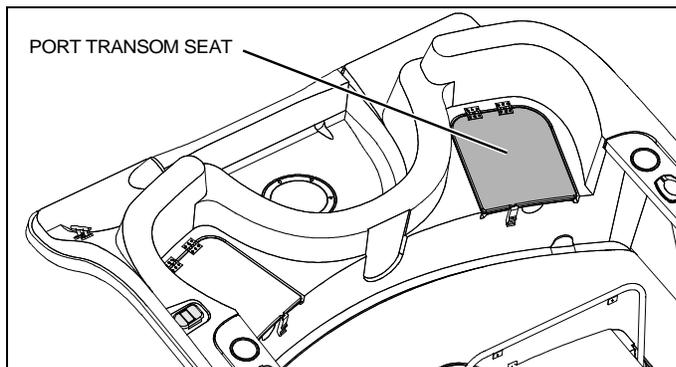
**Baitwell Intake Seacock - 2103 & 2503:** Access through the motor well deck plate.



**Baitwell/Seawater Washdown Intake Pump - 1703 & 1903:** Located under the port transom seat.

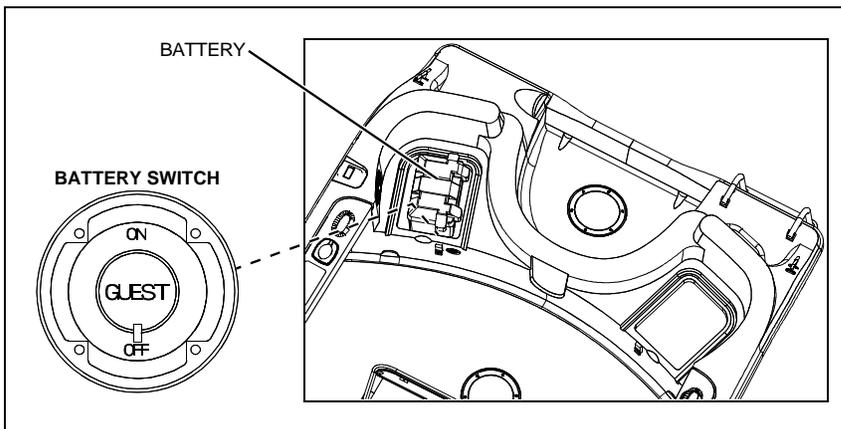
**Baitwell/Seawater Washdown Intake Seacock - 1703 & 1903:** Located under the port transom seat.

**Baitwell/Seawater Washdown Y-Valve (If Equipped) - 1703 & 1903:** Located under the port transom seat.



**Battery - 1703 & 1903:** Located under the starboard transom seat.

**Battery Switch - 1703 & 1903:** Located under the starboard transom seat.

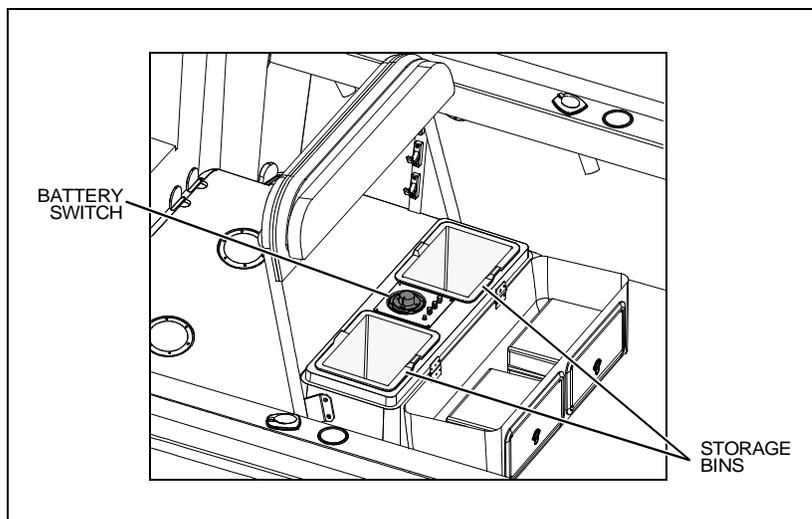


**Batteries - 2103:**

- Located under the leaning post seat.
- Access by opening the leaning post seat and removing the storage bins.

**Battery Switches - 2103:**

- Located under the leaning post seat.
- Access by opening the leaning post seat.

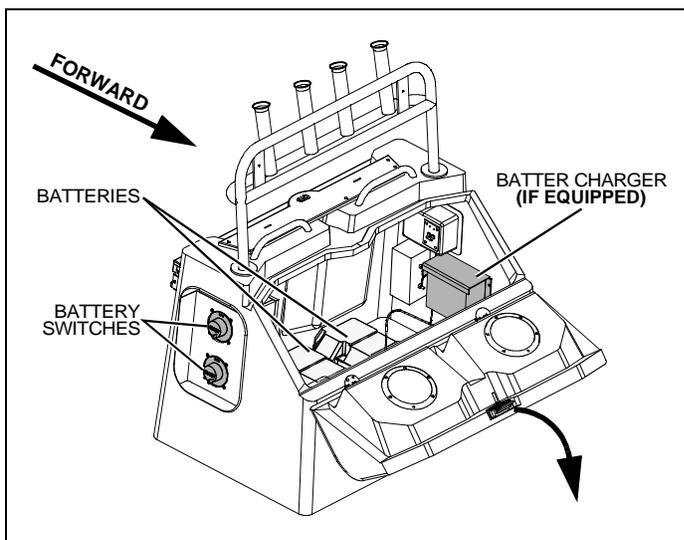


**Batteries - 2503:**

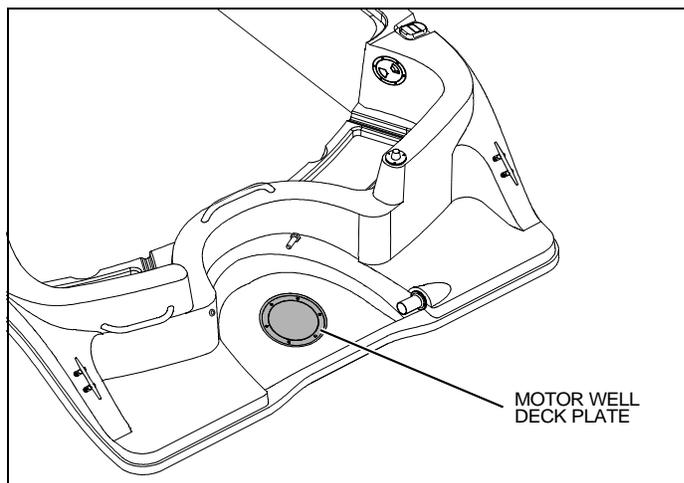
- Located inside the leaning post compartment.
- Access by opening the leaning post compartment seat.

**Battery Charger (If Equipped) - 2503:** Located inside the leaning post compartment.

**Battery Switches - 2503:** Located on the starboard side of the leaning post.

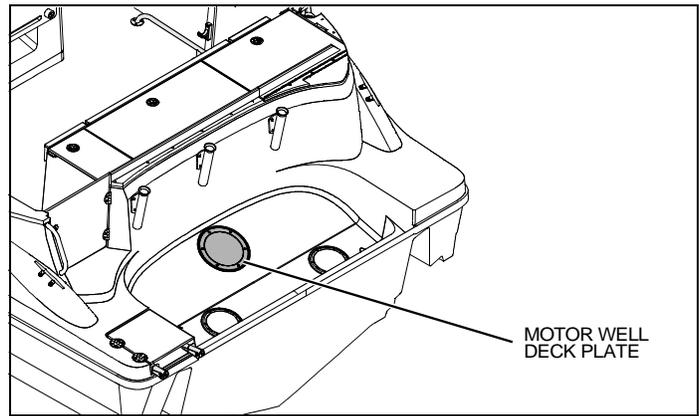


**Bilge Pump - 1703 & 1903:** Access through the motor well deck plate.

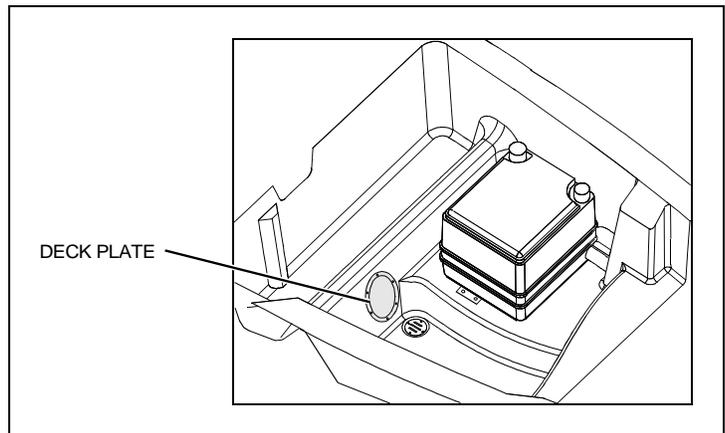


**Bilge Pumps (2 Total) - 2103:**

- The aft bilge pump is accessed through the motor well deck plate.

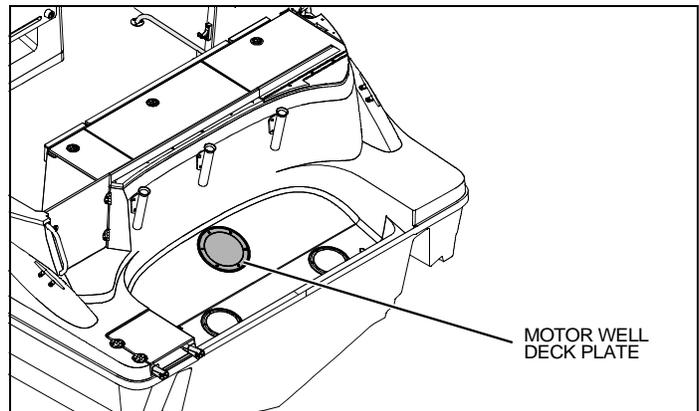


- The forward bilge pump is accessed through the deck plate in the portable head compartment.

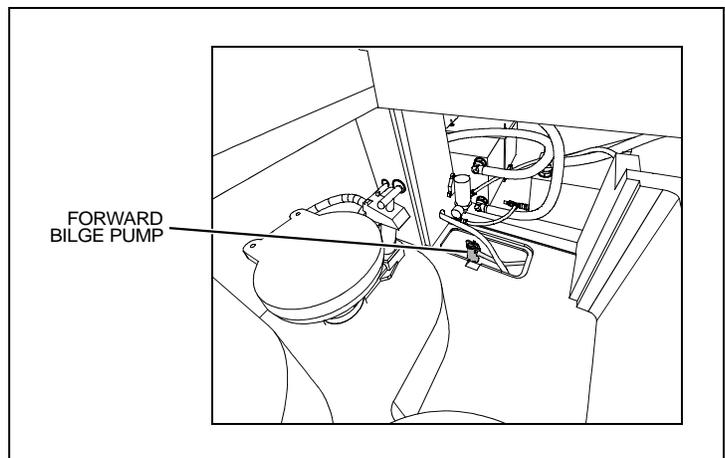


**Bilge Pumps (2 Total) - 2503:**

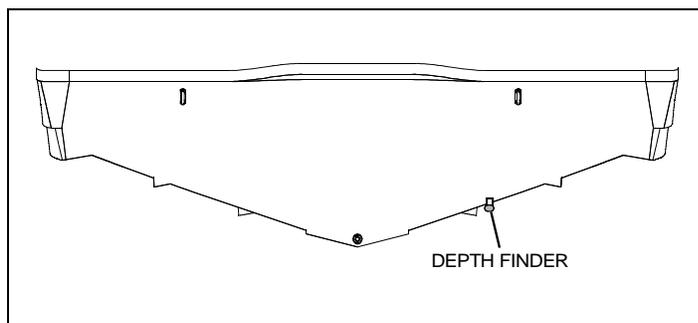
- The aft bilge pump is accessed through the motor well deck plate.



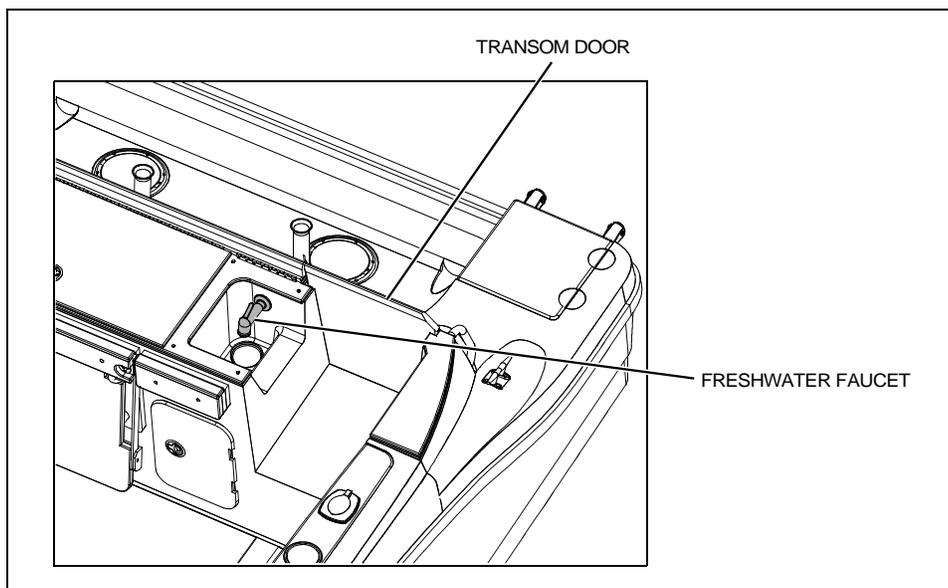
- The forward bilge pump is accessed through the wall hatch aft of the head and then through the floor hatch.



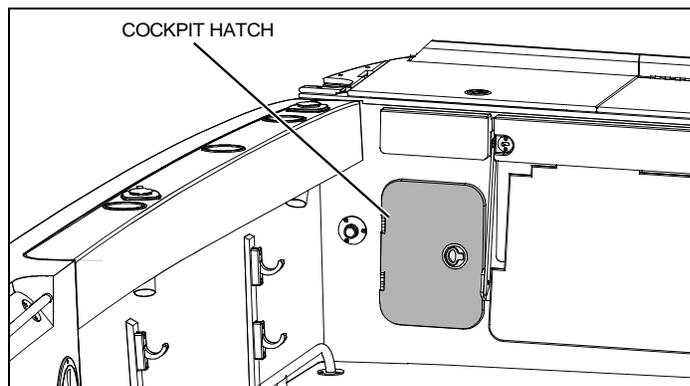
**Depth Finder Transducer (If Equipped):** Located on the lower starboard side of the exterior hull transom.



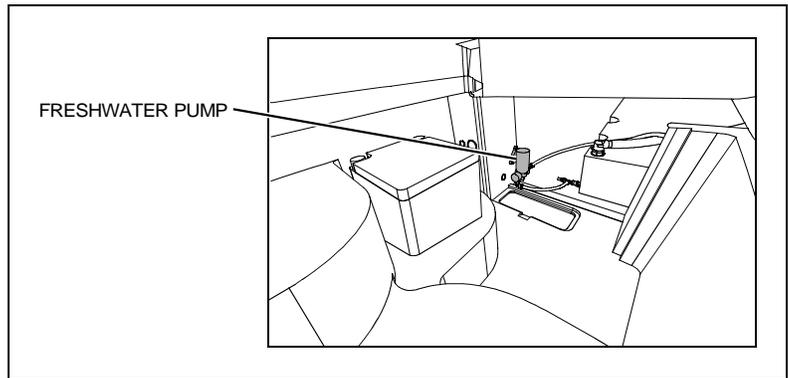
**Freshwater Faucet (If Equipped) - 2503:** Located inside the hatch, next to the transom door.



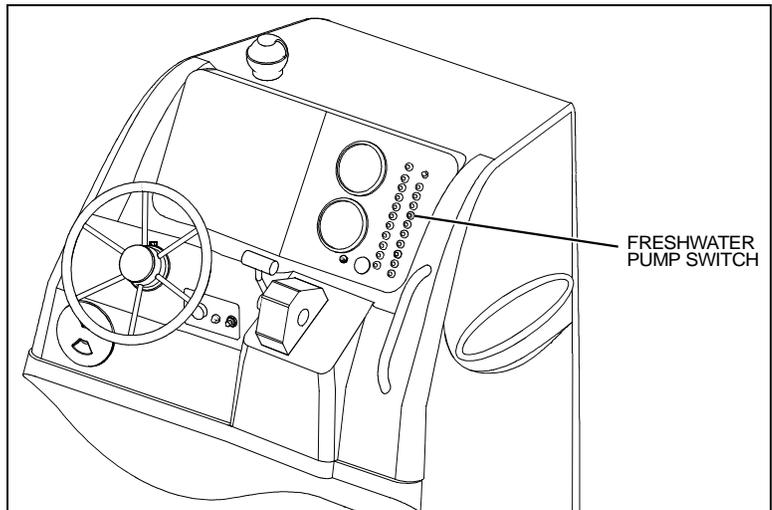
**Freshwater Pump (If Equipped) - 2103:** Located inside the starboard aft cockpit hatch.



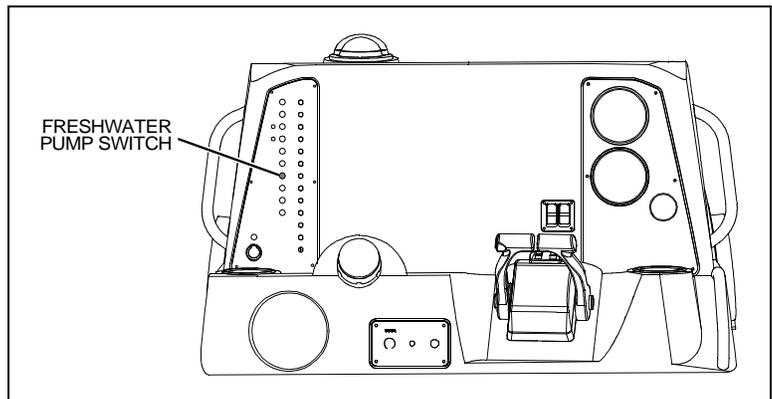
**Freshwater Pump (If Equipped) - 2503:**  
Access through the aft wall hatch in the head compartment.



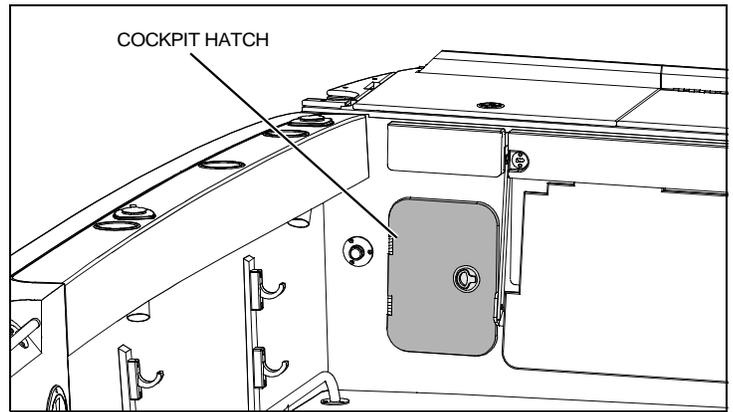
**Freshwater Pump Switch (If Equipped) - 2103:**  
Located at the helm.



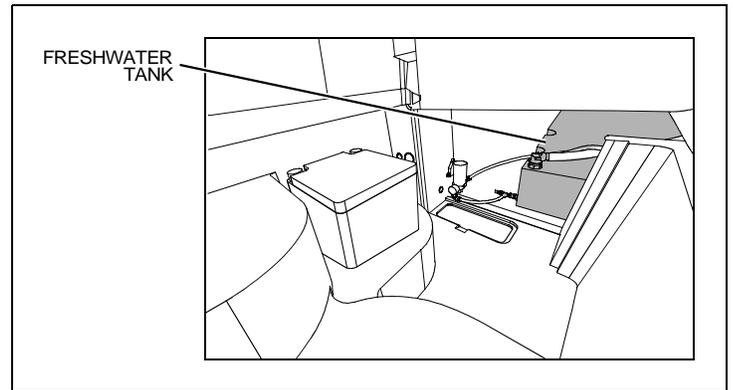
**Freshwater Pump Switch (If Equipped) - 2503:**  
Located at the helm.



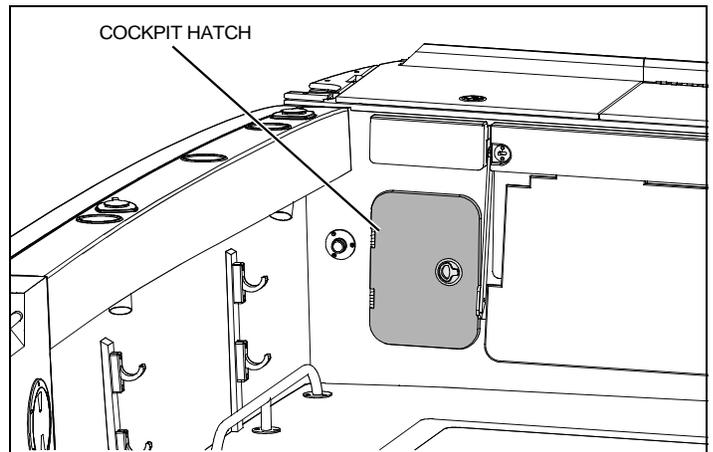
**Freshwater Tank (If Equipped) - 2103:** Access through the starboard aft cockpit hatch.



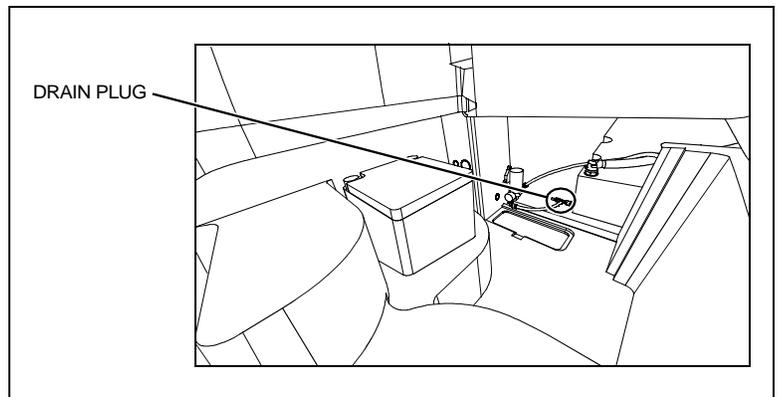
**Freshwater Tank (If Equipped) - 2503:** Access through the aft wall hatch in the head compartment.



**Freshwater Tank Drain Plug (If Equipped) - 2103:** Access through the starboard aft cockpit hatch.

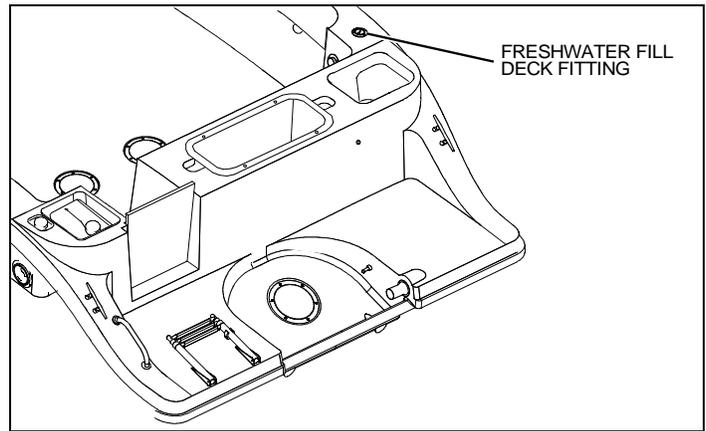


**Freshwater Tank Drain Plug (If Equipped) - 2503:** Access through the aft wall hatch in the head compartment.



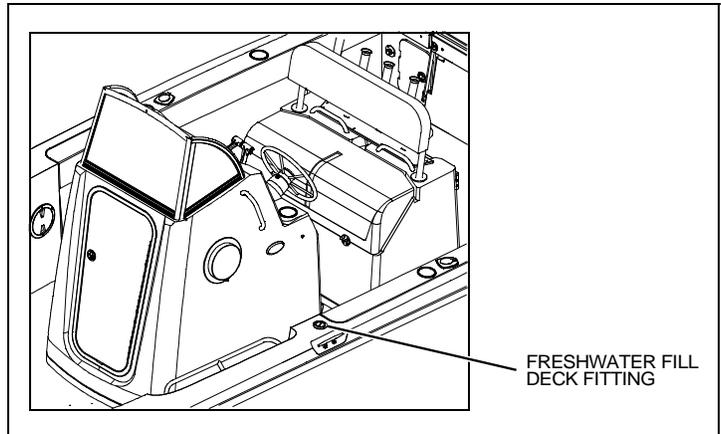
**Freshwater Fill Deck Fitting (If Equipped)- 2103:**

Located on the starboard aft deck.



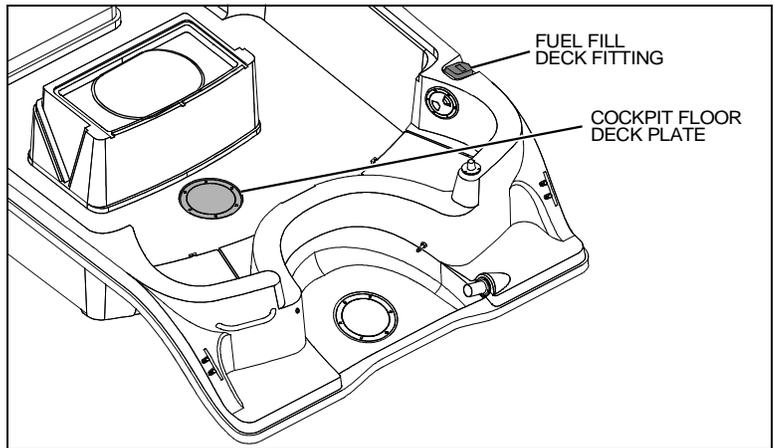
**Freshwater Fill Deck Fitting (If Equipped) - 2503:**

Located on the port deck.



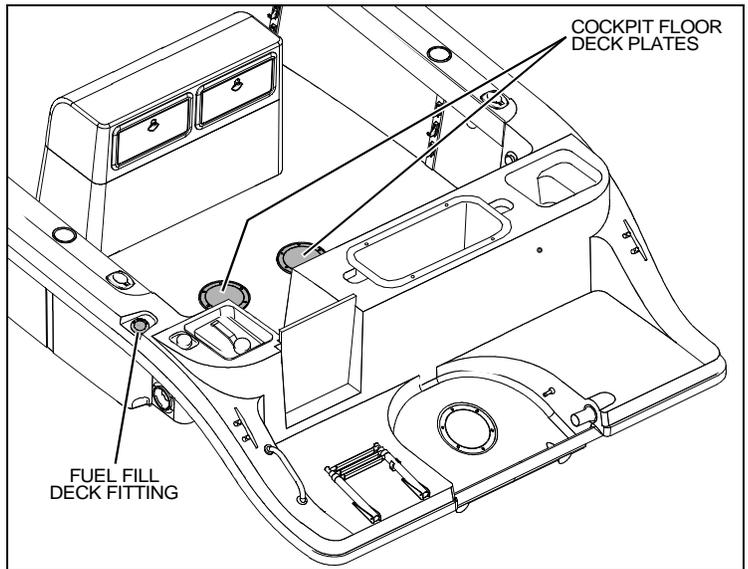
**Fuel Tank - 1703 & 1903:** Access through the cockpit floor deck plate.

**Fuel Fill Deck Fitting - 1703 & 1903:** Located on the starboard aft deck.



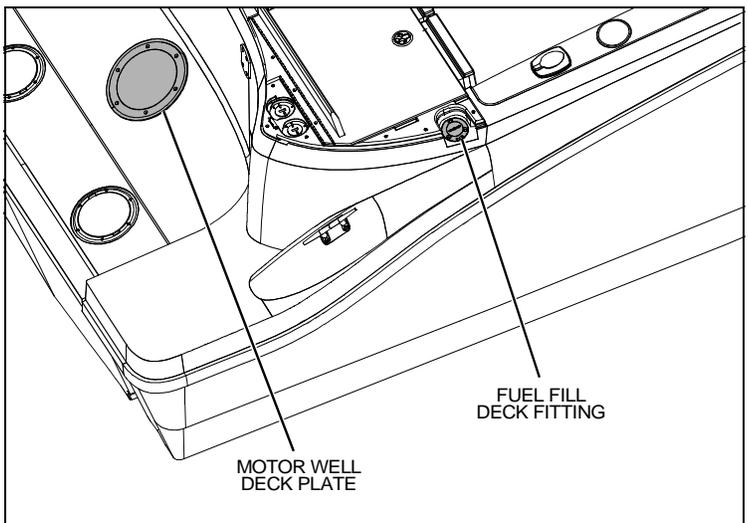
**Fuel Tank - 2103:** Access through the cockpit floor deck plates.

**Fuel Fill Deck Fitting - 2103:** Located on the port aft deck.

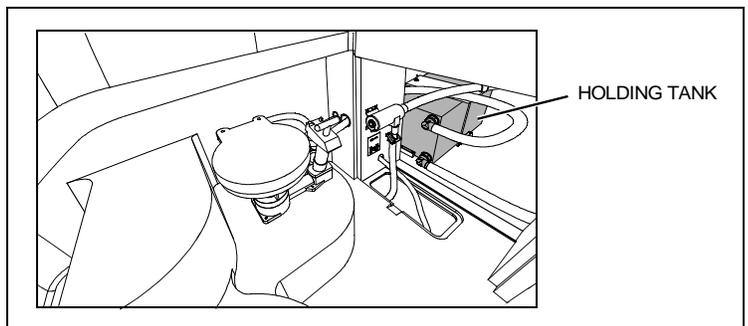


**Fuel Tank - 2503:** Access through the motor well deck plate.

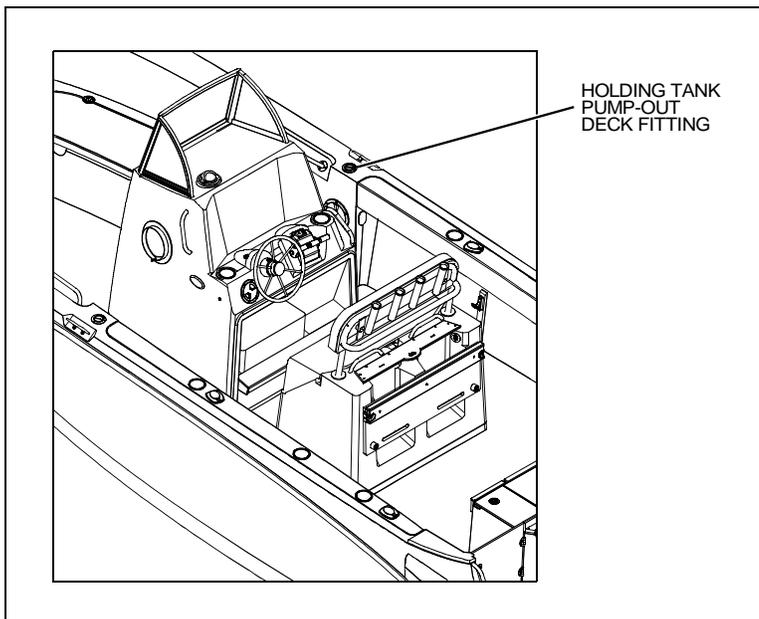
**Fuel Fill Deck Fitting - 2503:** Located on the starboard aft deck.



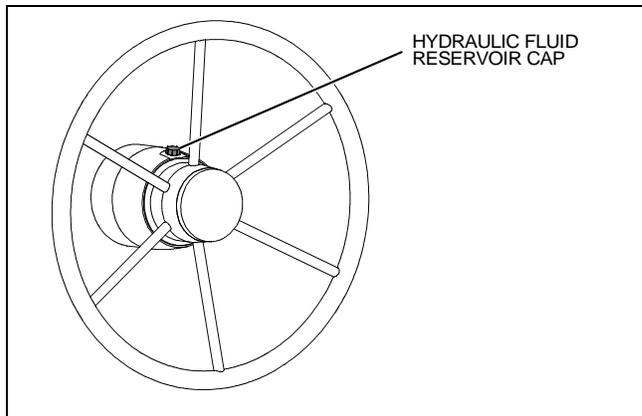
**Holding Tank (If Equipped) - 2503:** Access through the aft wall hatch in the head compartment.



**Holding Tank or Portable Toilet Pump-out Deck Fitting (If Equipped) - 2503:** Located on the starboard side deck.



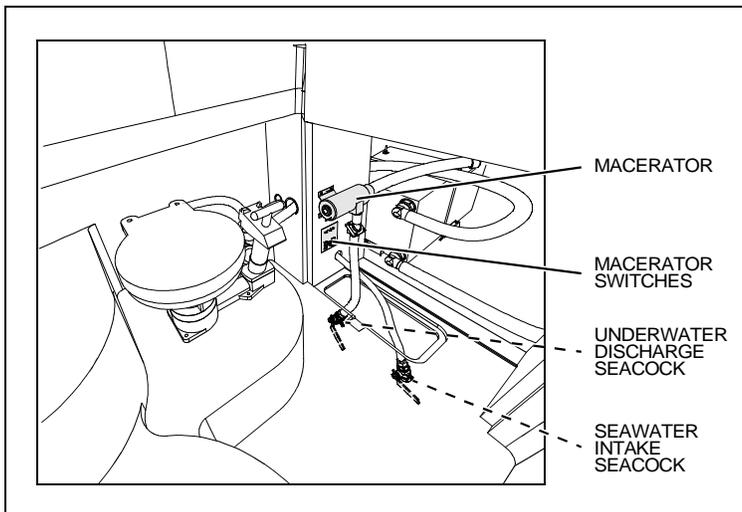
**Hydraulic Steering Fluid Reservoir (If Equipped):** Located on the steering column.



**Macerator Switch (If Equipped) - 2503:** Access through the aft wall hatch in the head compartment.

**Macerator Underwater Discharge Seacock (If Equipped) - 2503:** Access through the aft wall hatch in the head compartment.

**Marine Head Seawater Intake Seacock (If Equipped) - 2503:** Access through the aft wall hatch in the head compartment.

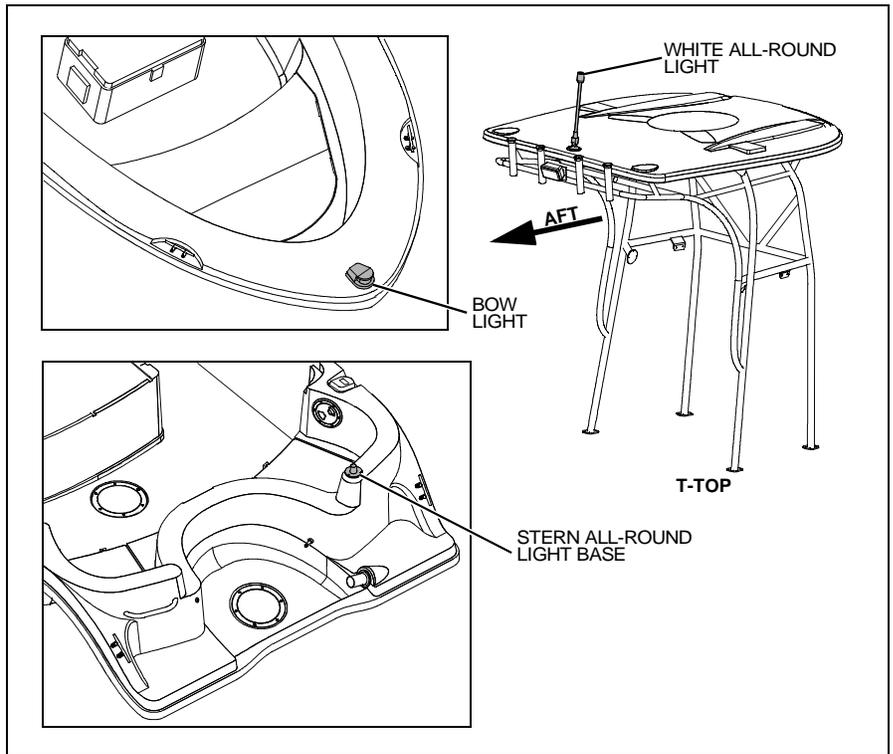


**Navigation Lights - 1703:**

- Red and green running light is located on the bow.
- White all-round light is located on the starboard side of the stern.

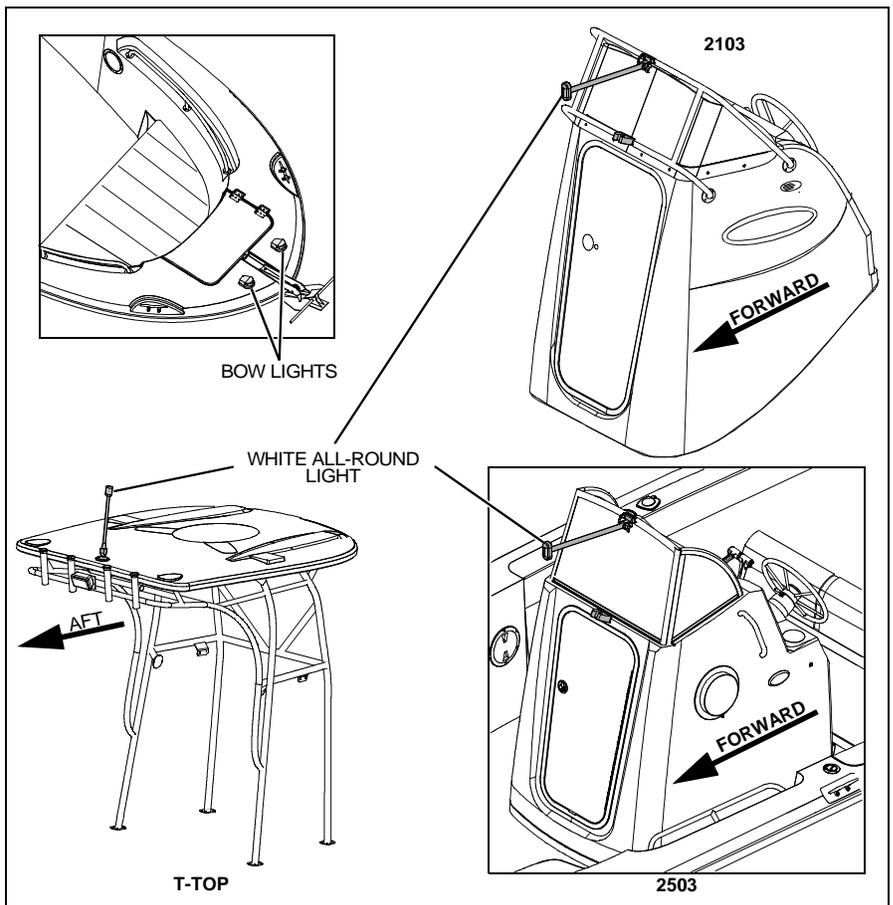
**Navigation Lights - 1903:**

- Red and green running light is located on the bow.
- White all-round light is located on the starboard side of the stern or on top of the t-top (if equipped).

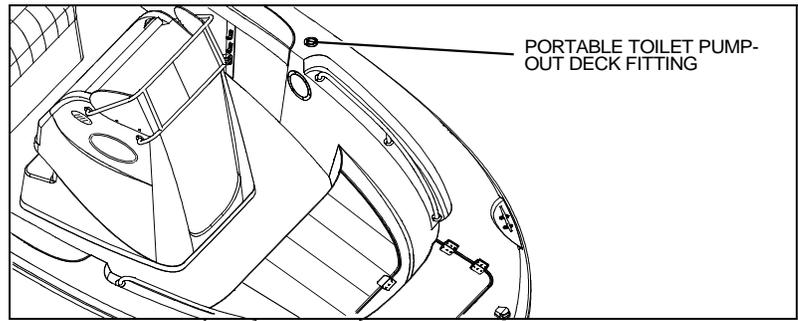


**Navigation Lights - 2103 & 2503:**

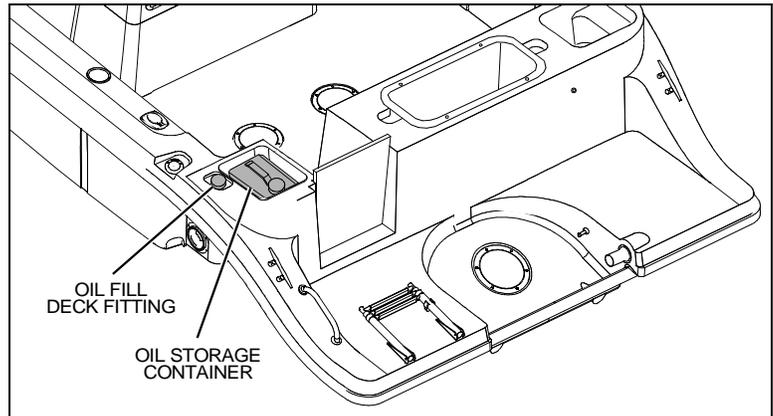
- Red and green running lights are located on the bow.
- White all-round light is mounted on the windshield or on top of the t-top (if equipped).



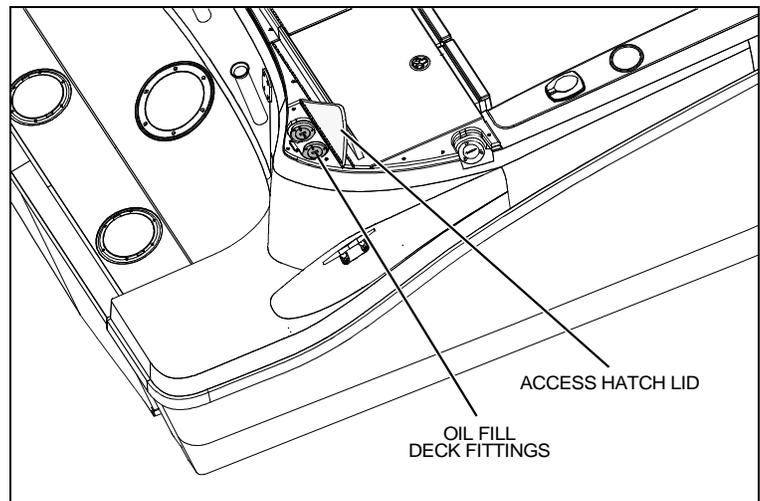
**Portable Toilet Pump-out Deck Fitting (If Equipped) - 2103:** Located on the port side deck.



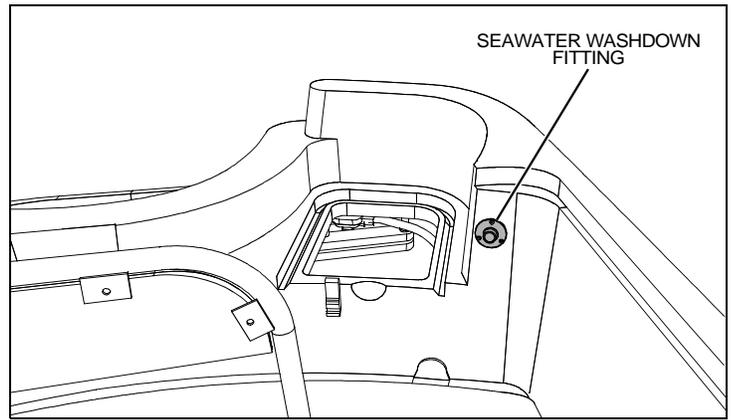
**Oil Fill Deck Fitting - 2103:** Located on the port aft deck, next to the oil storage container.



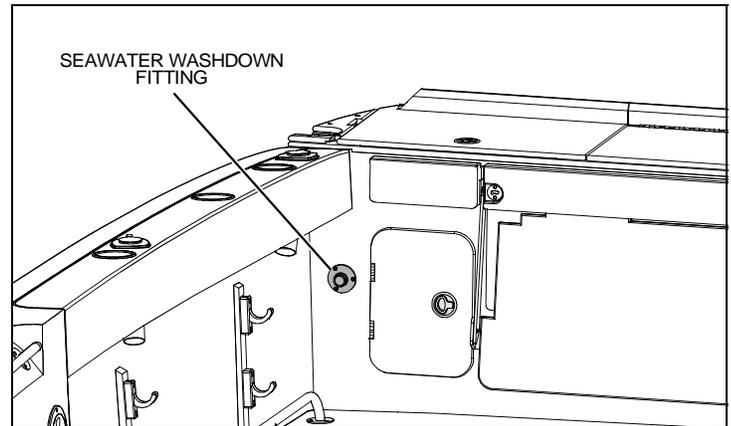
**Oil Fill Deck Fitting - 2503:** Located under the starboard aft deck access hatch lid.



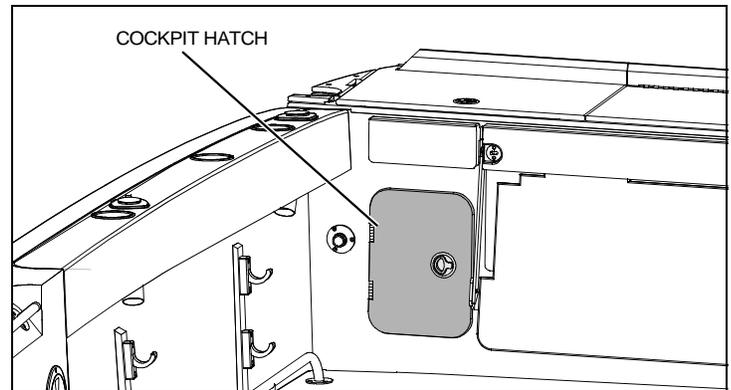
**Seawater Washdown Fitting (If Equipped) - 1703 & 1903:** Located in the port aft corner of the cockpit.



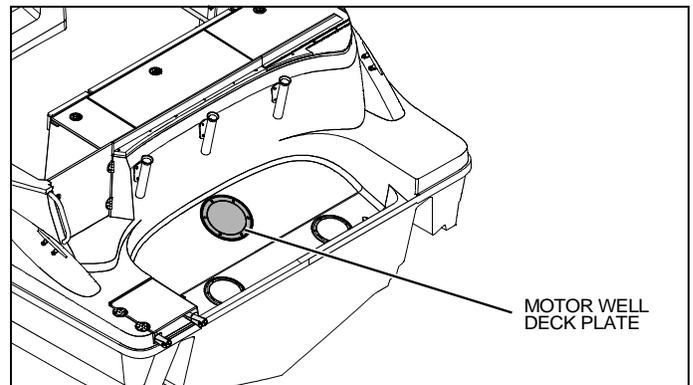
**Seawater Washdown Fitting (If Equipped) - 2103 & 2503:** Located in the starboard aft corner of the cockpit.



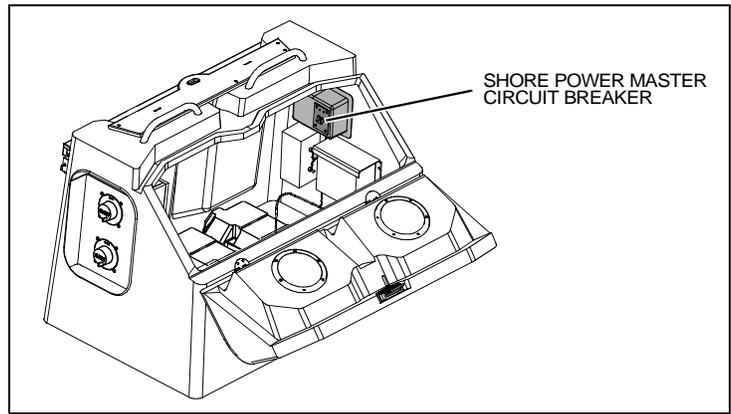
**Seawater Washdown Intake Pump - 2103 & 2503:** Located inside the starboard aft cockpit hatch.



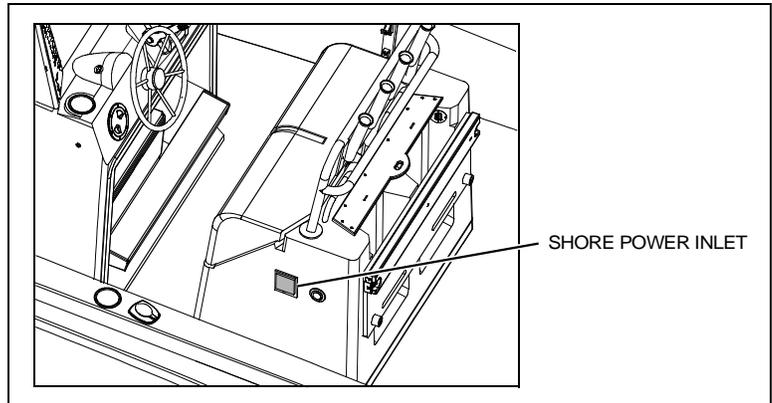
**Seawater Washdown Intake Seacock - 2103 & 2503:** Access through the motor well deck plate.



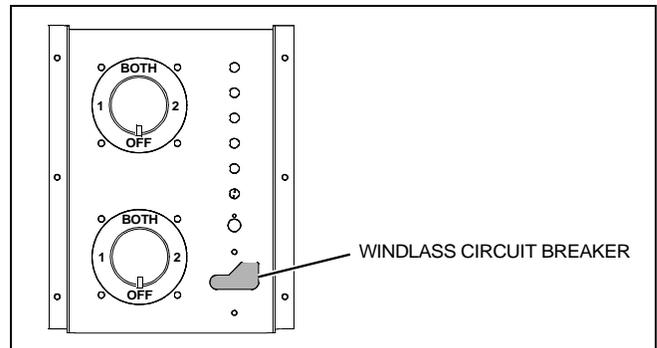
**Shore Power Master Circuit Breaker (If Equipped) - 2503:** Located inside the leaning post compartment, on the port side.



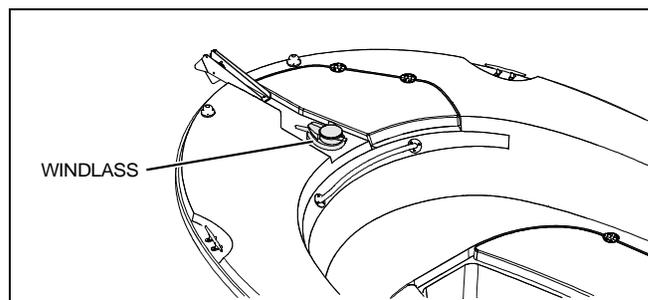
**Shore Power Inlet (If Equipped) - 2503** Located on the port side of the leaning post.



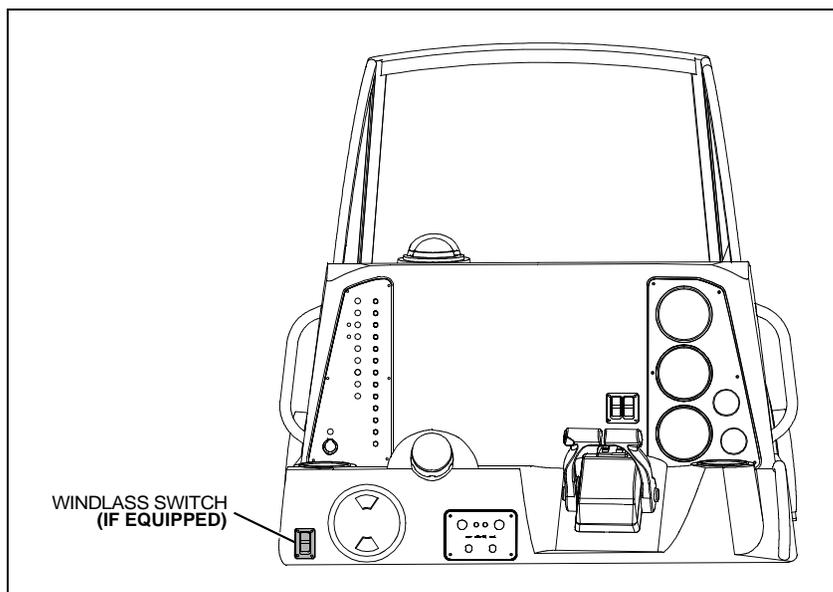
**Windlass Circuit Breaker (If Equipped) - 2503:** Located on the battery switch panel.



**Windlass (If Equipped) - 2503:** Located at the bow.



**Windlass Switch (If Equipped) - 2503:**  
Located at the helm.



## Chapter 4: Propulsion & Related Systems

### Engine(s)

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

### Fuel System

**! WARNING!**



**FIRE, EXPLOSION AND OPEN FLAME HAZARD!**

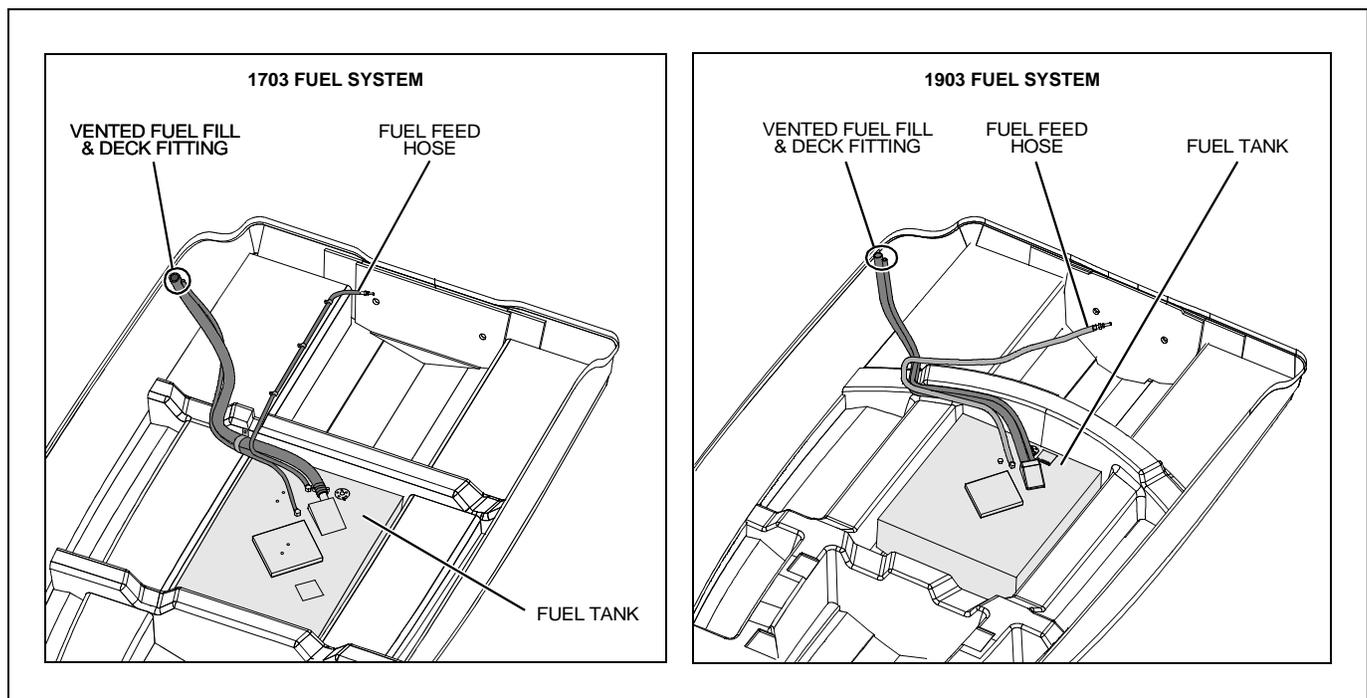
- It is very important that the fuel system be inspected thoroughly the first time it is filled and at each subsequent filling.
- The fueling instructions in the *Sport Boat Owner's Manual* and the fuel recommendations in the engine operation manual *must* be followed.

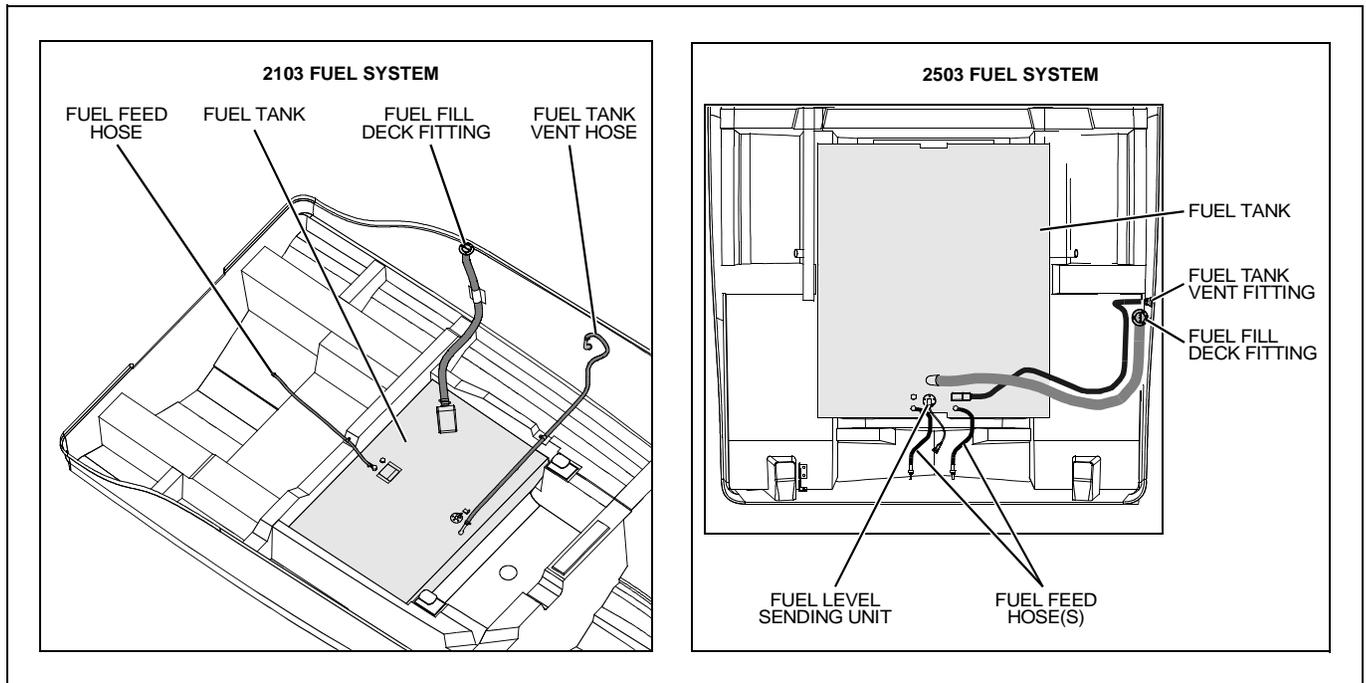
**! CAUTION**

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 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(s).
- 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.

## Chapter 5: Controls & Gauges

---

### Steering

- Boat steering is *not* self centering.
- Refer to the engine manual for steering system details.

#### ***Hydraulic Steering System (If Equipped)***

- A rhythmic pulsing when turning the wheel is a characteristic of the pump and is *not* a malfunction.
- Also, when coming off a hard-over position, resistances may be felt, followed by a distinct sound. This is normal and is caused by the release of the system's check valve.
- The fluid reservoir for the hydraulic steering system is located at the helm. Check the fluid level regularly.
- Boat steering is *not* self-centering.

### Shift/Throttle Controls

 <b>WARNING!</b>
<b><i>LOSS OF CONTROL HAZARD!</i></b>
<b>Improper maintenance of the shift/throttle hardware may cause a sudden loss of control!</b>

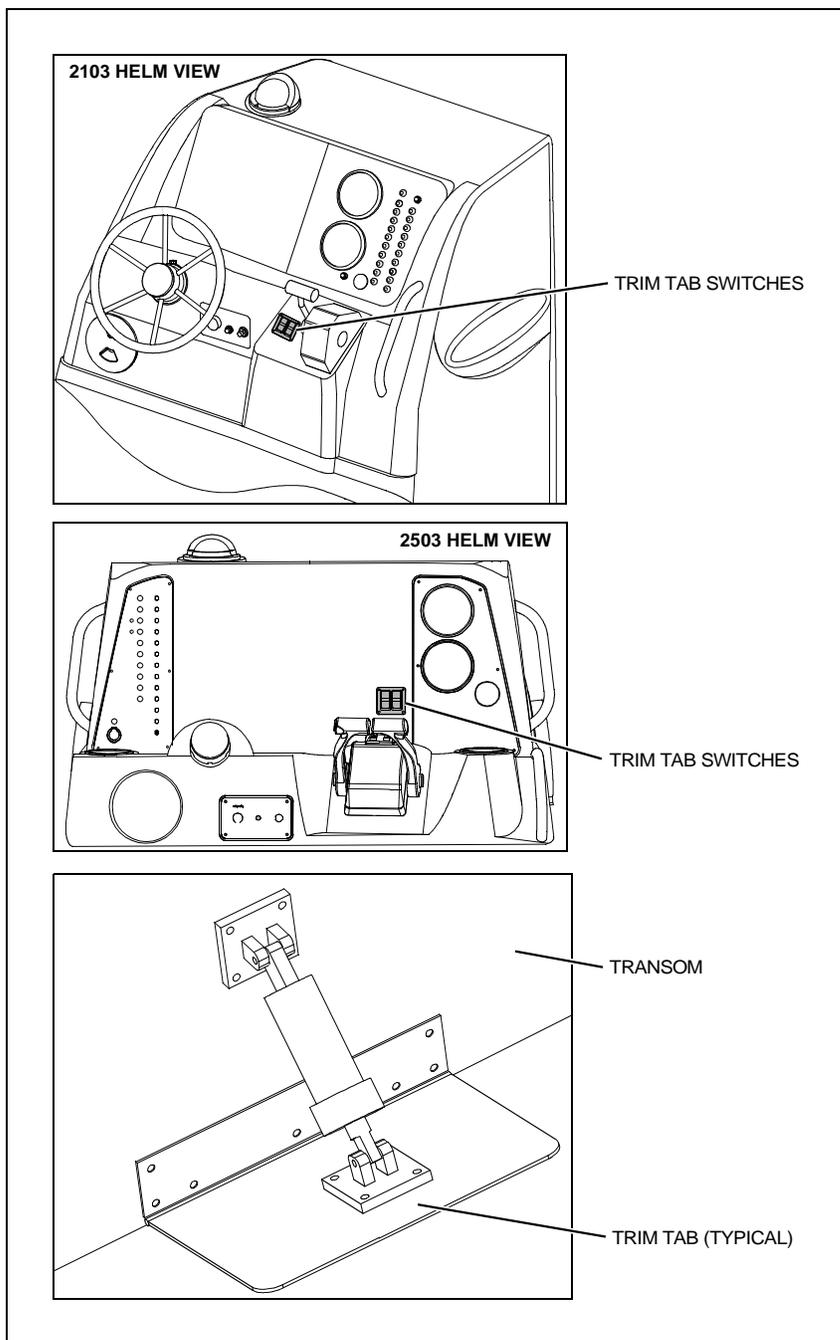
Read *all* of the information about the shift/throttle controls in the shift/throttle manual, the engine operation manual, and the *Sport Boat Owner's Manual*.

### Power Trim & Tilt

- The outboard(s) 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.

## Trim Tabs (2103 & 2503 Only)

- *Before* using the trim tabs, read the trim tabs' owner's manual.
- The trim tabs are controlled by two rocker switches at the helm.



## Gauges

### *Cleaning the Gauges*

 <b>CAUTION</b>
<b><i>PRODUCT or PROPERTY DAMAGE HAZARD!</i></b>
<ul style="list-style-type: none"><li>• Use only mild soap and water to clean the gauge lenses and bezels.</li><li>• Use of other cleaners, including common window cleaning solutions, may cause the lenses to crack.</li><li>• Lenses cracked in this manner will <b><i>NOT</i></b> be covered by our warranty.</li></ul>

### ***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.

### ***Twin Engine Readings (2503 Only) (If Equipped)***

It is normal for tachometers and other gauges to have slightly different readings between engines.

## Chapter 6: Navigation & Communication Equipment

---

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

### Compass

#### NOTICE

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

### VHF Radio (If Equipped)

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

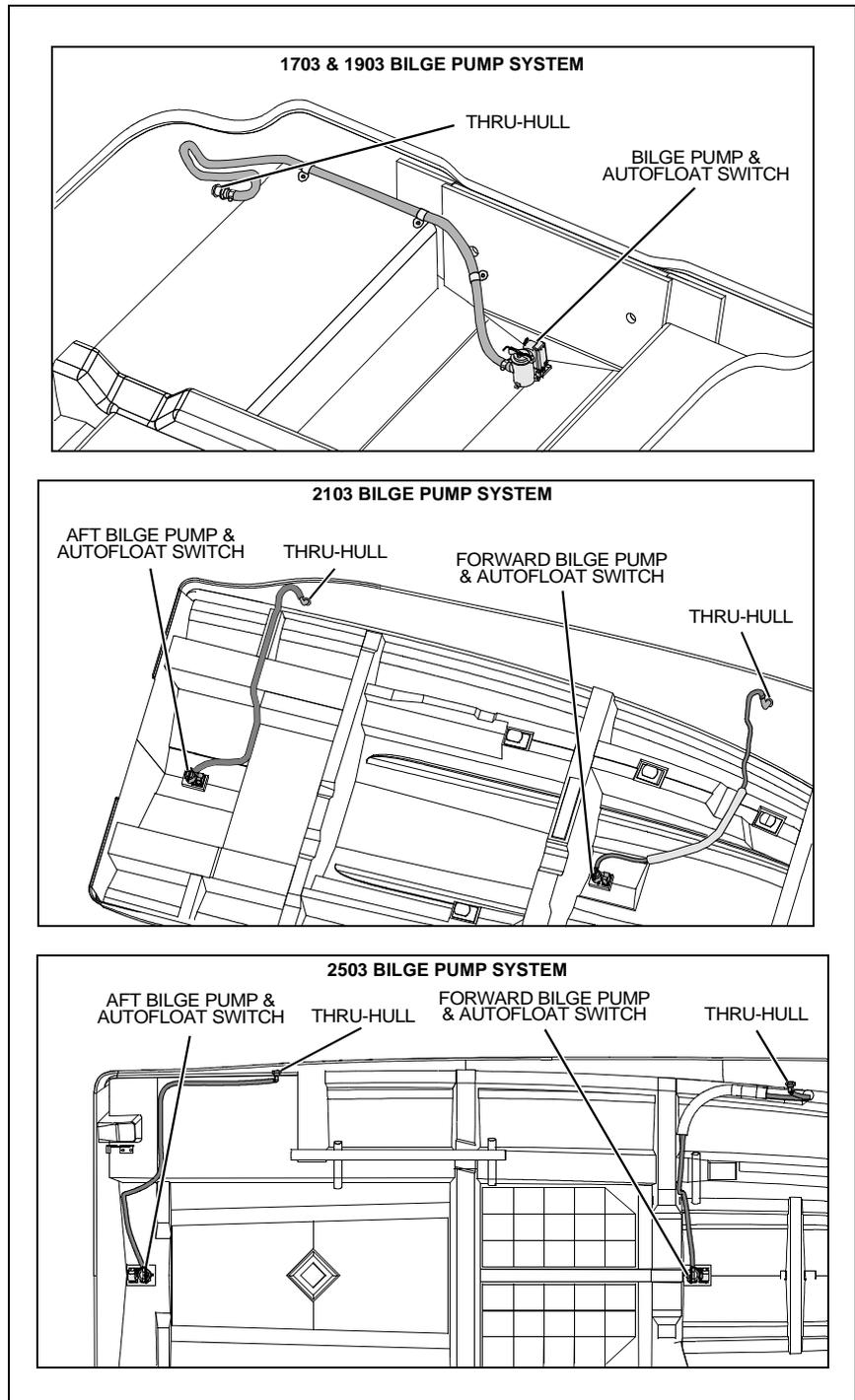
## Chapter 7: Plumbing

### Bilge Pump(s)

#### NOTICE

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

- Your boat is equipped with one or more bilge pumps for pumping water out of the bilge.
- The autofloat switches, mounted next to the bilge pump(s), will turn **On** the bilge pump(s) if bilge water rises above a preset level.
- You can also turn **On** the bilge pump(s) yourself using the switch(es) at the helm.
- The bilge pump(s) is wired directly to the battery. Unless the battery is dead, the bilge pump system should work even when your boat is unattended.

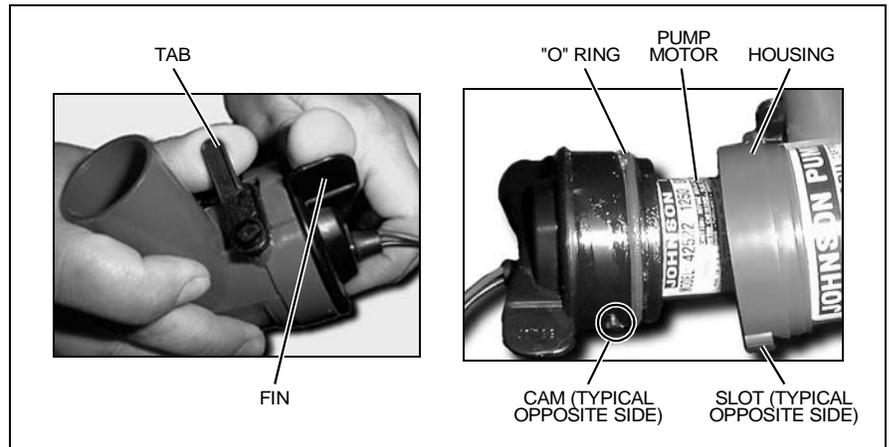


### **Bilge Pump Testing**

- The bilge pump(s) is vital to the safety of your boat.
  - Test the bilge pump(s) often.
1. Turn **On** the bilge pump switch at the helm. Note: if your boat has more than one bilge pump, only turn **On** one bilge pump switch at a time.
  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.

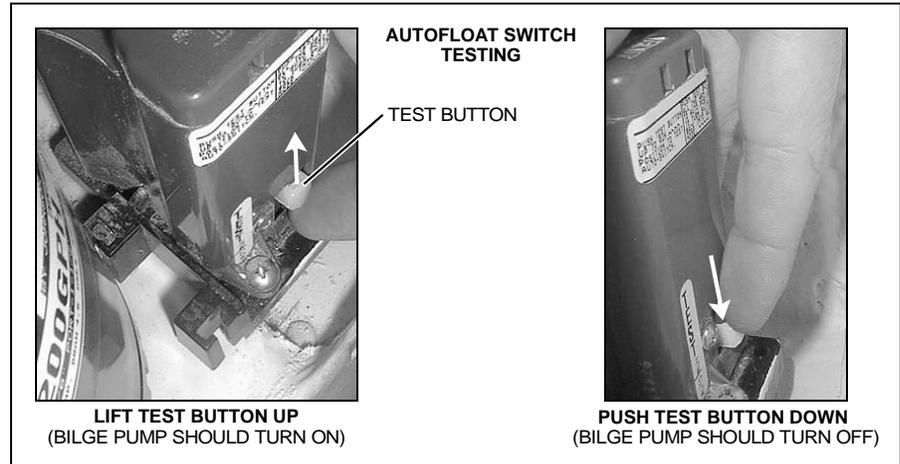


### **Autofloat Switch(es)**

- The autofloat switch(es) turns the bilge pump(s) **On** when water rises above a preset level.
- Test each autofloat switch often.

#### **Autofloat switch testing:**

1. Lift the autofloat switch test button to turn **On** the bilge pump.
  - If the pump does not turn **On**, check the fuse on the fuse block or the push-to-reset circuit breaker.
  - If the fuse or circuit breaker is good, but the switch still does not work, it may mean the switch is bad or, the battery is dead.
2. After testing, push the test button all the way **down** to reset auto mode.



## **CAUTION**

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

## Seawater Systems

### Seacocks



### WARNING!

#### **FLOODING and SWAMPING HAZARD!**

- **Close** the seacock(s) 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.



### CAUTION

#### **SYSTEM DAMAGE HAZARD!**

- **BEFORE** using any system that has a seacock, make sure that the system's seacock is *Open*.
- Inspect and lubricate all seacocks annually.

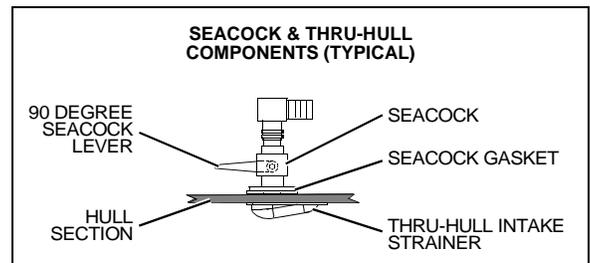
Thru-hull inlet or outlet fittings near or below the waterline feature seacock valves. You can close a seacock to stop water entry:

- If the hose connected to the seacock fails, or;
- To work on equipment served by the seacock.

Seacocks are used on your boat in seawater intake or liquid-discharge systems including, but not limited to:

- Marine head (toilet)

**Before** using any system with a seacock, make sure the seacock is *Open* and stays *Open* until the system is shut *Off*.



### Seawater Strainers



### CAUTION

#### **FLOODING HAZARD!**

- **BEFORE** taking apart a seawater strainer for cleaning or other maintenance, **Close** the seacock that sends seawater to that strainer.
- Failure to close the seacock before taking apart the seawater strainer may allow large amounts of water to flood the bilge, which could swamp the batteries and the engines, and even sink your boat.
- Keep the seacock *Closed* until the seawater strainer is completely reassembled.

#### **SYSTEM DAMAGE HAZARD!**

- After putting the seawater strainer back together, make sure that the seacock valve is *Open* **BEFORE** using the component/system.

- Seawater strainers are used to filter incoming seawater in *some* seawater intake systems. NOTE: Not all seawater intake systems have seawater strainers.
- If equipped, the seawater strainer is located near the seawater intake system's seacock.
- Check the strainers for leaks and/or debris **every time** you use your boat.
- Refer to the seawater strainer instruction sheet for cleaning and maintenance information.

## Baitwell System & Seawater Washdown Systems (If Equipped)

**⚠ WARNING!**

**FLOODING and SWAMPING HAZARD!**

- **NEVER** leave your boat unattended while the baitwell/seawater washdown system is running.
- Any leak or break in this system may allow large amounts of water to flood the bilge, which could swamp the batteries, and even sink your boat.
- Close the intake seacock when leaving your boat unattended for any length of time.

**⚠ CAUTION**

**SYSTEM DAMAGE HAZARD!**

**BEFORE** turning *On* the baitwell/seawater washdown system, make sure the intake seacock is *Open*.

### 1703 Baitwell & Seawater Washdown System

#### Filling & Using the Baitwell

1. Insert the rubber end of the drain standpipe into the drain fitting at the bottom of the tank.
  2. If equipped, turn the y-valve to the baitwell position.
  3. If necessary, **Open** the seawater intake seacock.
  4. On the main switch panel turn **On** the baitwell switch.
- Remove the standpipe to drain the baitwell.

#### Aeration Tips

The level of aeration is controlled by the aerator control valve.

- In clean ocean water little or no aeration is needed.
- In brackish back waters a higher level of aeration may be needed.

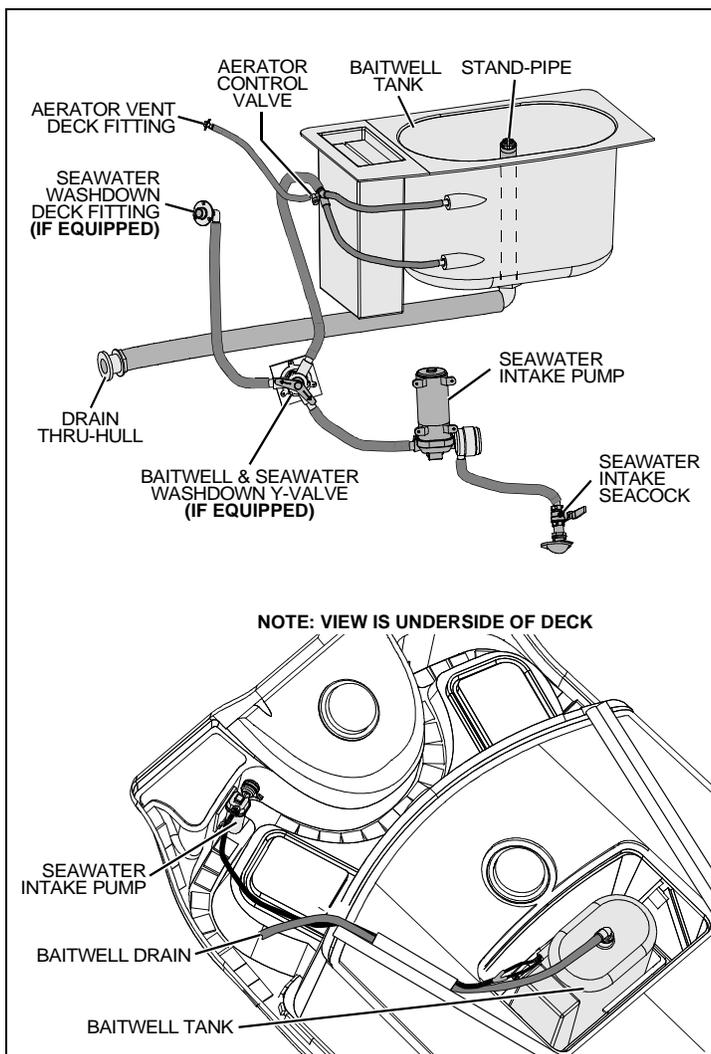
#### Troubleshooting

If you followed the instructions in steps 1 through 4 above, but water does **not** pump into the tank, possible causes are:

- The seacock is **Closed**.
- A hose is collapsed or there is clogging debris in the system.
- The y-valve (if equipped) is turned to the wrong position.
- The baitwell circuit breaker needs to be reset.

#### Seawater Washdown System (If Equipped)

1. Turn the y-valve to the washdown position.
2. If necessary, **Open** the seawater intake seacock.
3. On the main switch panel, turn **On** the baitwell switch.



## 1903 Baitwell & Seawater Washdown System

### Filling & Using the Baitwell

1. Insert the rubber end of the drain standpipe into the drain fitting at the bottom of the tank.
  2. If equipped, turn the y-valve to the baitwell position.
  3. If necessary, **Open** the seawater intake seacock.
  4. On the main switch panel turn **On** the baitwell switch.
- Remove the standpipe to drain the baitwell.

### Aeration Tips

The level of aeration is controlled by the aerator control valve.

- In clean ocean water little or no aeration is needed.
- In brackish back waters a higher level of aeration may be needed.

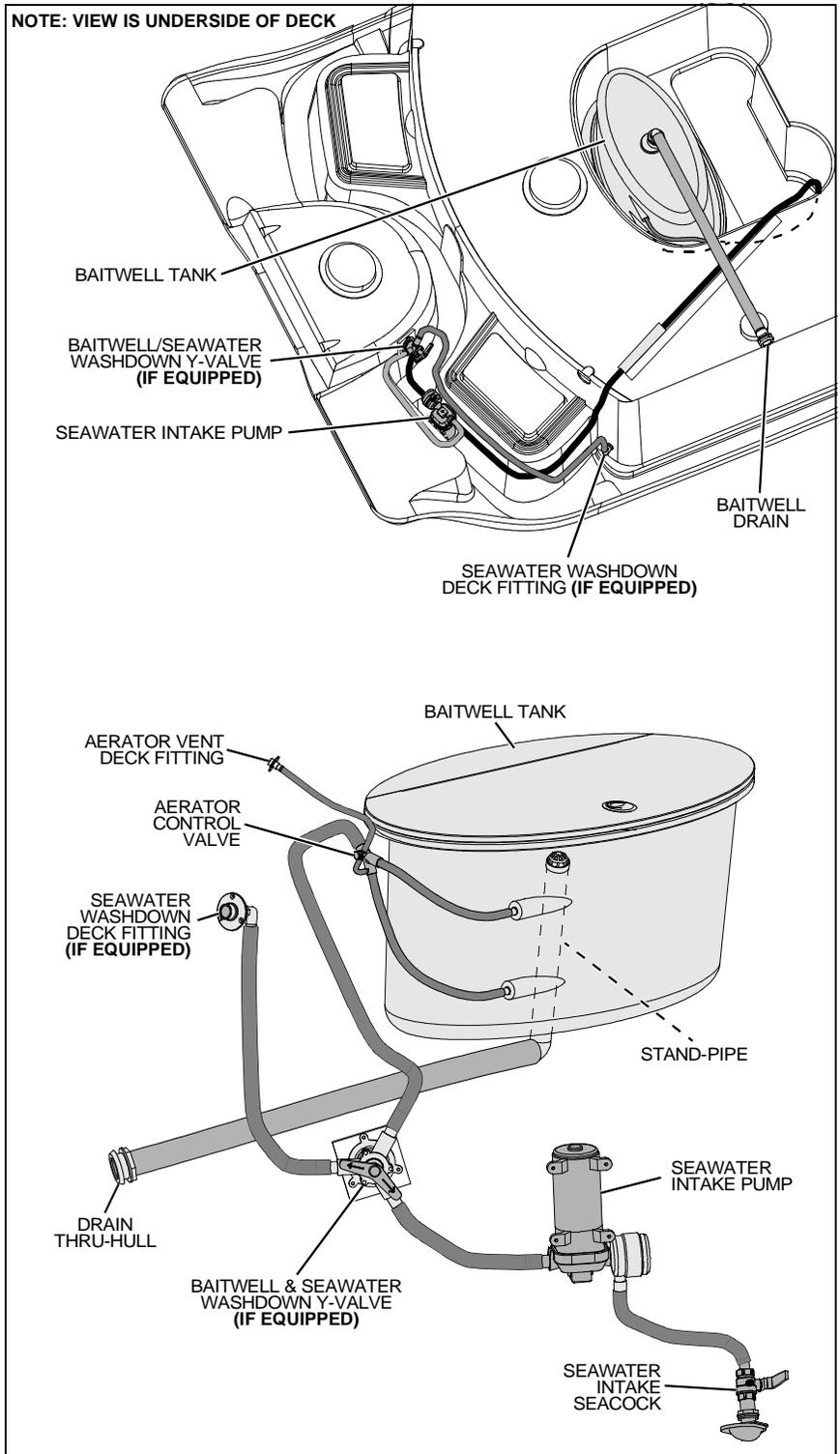
### Troubleshooting

If you followed the instructions in steps 1 through 4 above, but water does **not** pump into the tank, possible causes are:

- The seacock is **Closed**.
- A hose is collapsed or there is clogging debris in the system.
- The y-valve (if equipped) is turned to the wrong position.
- The baitwell circuit breaker needs to be reset.

### Seawater Washdown System (If Equipped)

1. Turn the y-valve to the washdown position.
2. If necessary, **Open** the seawater intake seacock.
3. On the main switch panel, turn **On** the baitwell switch.



## 2103 Baitwell & Seawater Washdown System

### Filling & Using the Baitwell

1. If necessary, **Open** the seawater intake seacock.
  2. On the main switch panel, turn **On** the baitwell switch.
- **Open** the drain control y-valve to drain the baitwell.
  - **Close** the drain control y-valve after the baitwell has drained.

### Troubleshooting

If you followed the instructions in steps 1 and 2 above, but water does **not** pump into the tank, possible causes are:

- The intake seacock is **Closed**.
- A hose is collapsed or there is clogging debris in the system.
- The baitwell circuit breaker needs to be reset.

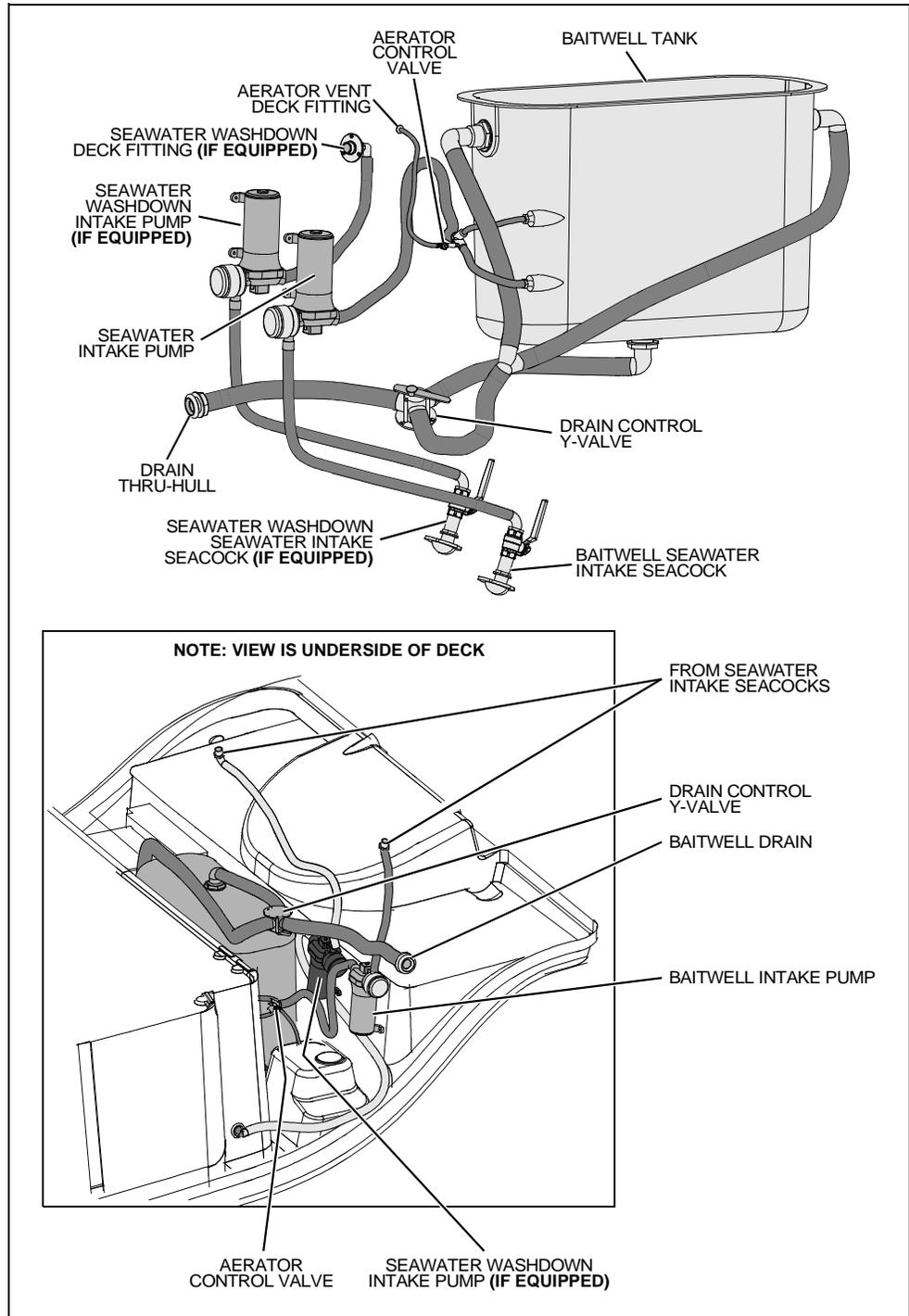
### Aeration Tips

The level of aeration is controlled by the aerator control valve.

- In clean ocean water little or no aeration is needed.
- In brackish back waters a higher level of aeration may be needed.

### Seawater Washdown System (If Equipped)

1. If necessary, **Open** the seawater intake seacock.
2. On the main switch panel, turn **On** the baitwell switch.



## 2503 Baitwell & Seawater Washdown System

### Filling & Using the Baitwell

1. If necessary, **Open** the seawater intake seacock.
2. On the main switch panel, turn **On** the baitwell switch.
  - **Open** the drain seacock to drain the baitwell.
  - **Close** the drain seacock after the baitwell has drained.

### Troubleshooting

If you followed the instructions in steps 1 and 2 above, but water does **not** pump into the tank, possible causes are:

- The intake seacock is **Closed**.
- A hose is collapsed or there is clogging debris in the system.
- The baitwell circuit breaker needs to be reset.

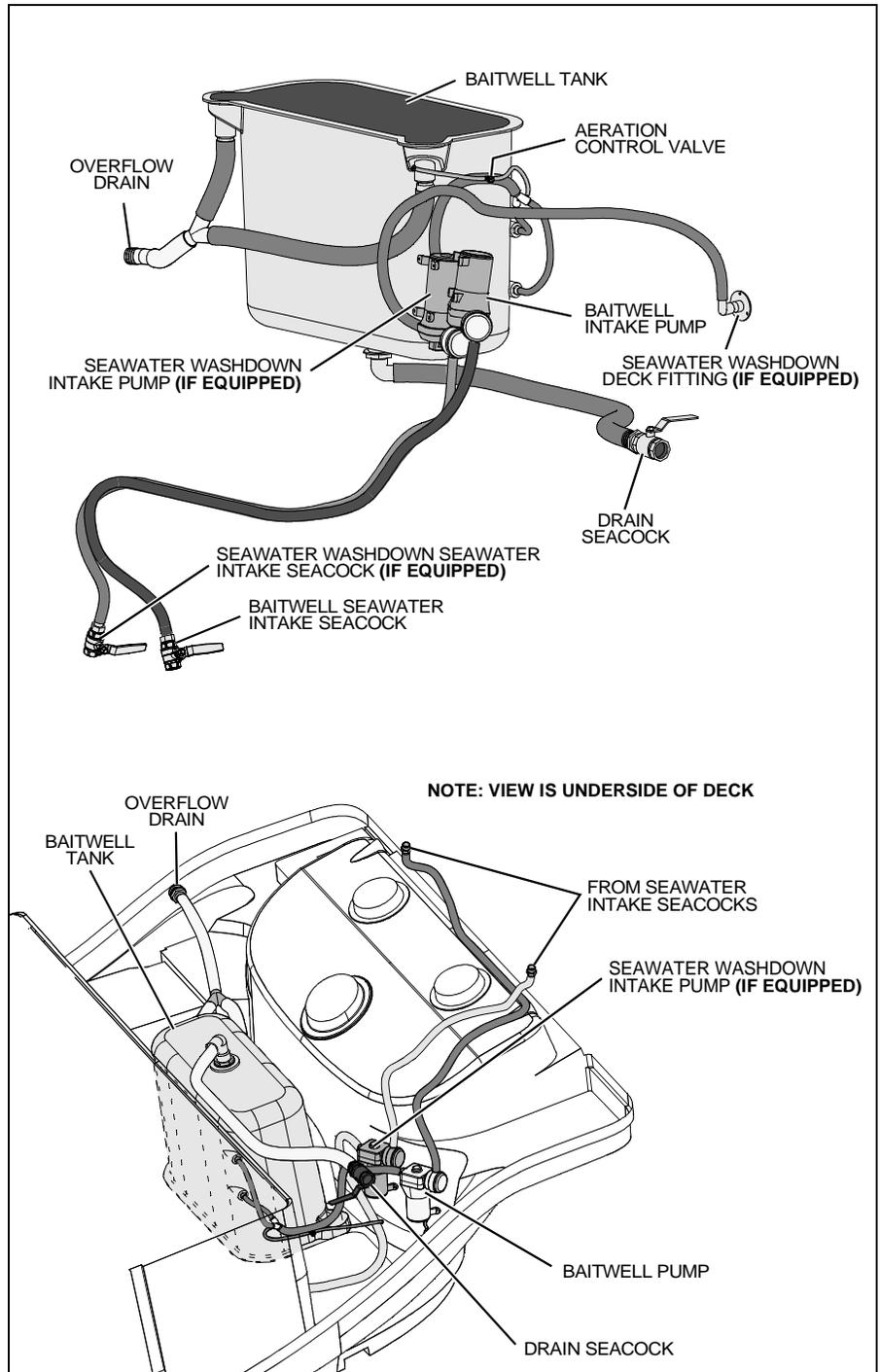
### Aeration Tips

The level of aeration is controlled by the aerator control valve.

- In clean ocean water little or no aeration is needed.
- In brackish back waters a higher level of aeration may be needed.

### Seawater Washdown System (If Equipped)

1. If necessary, **Open** the seawater intake seacock.
2. On the main switch panel, turn **On** the baitwell switch.



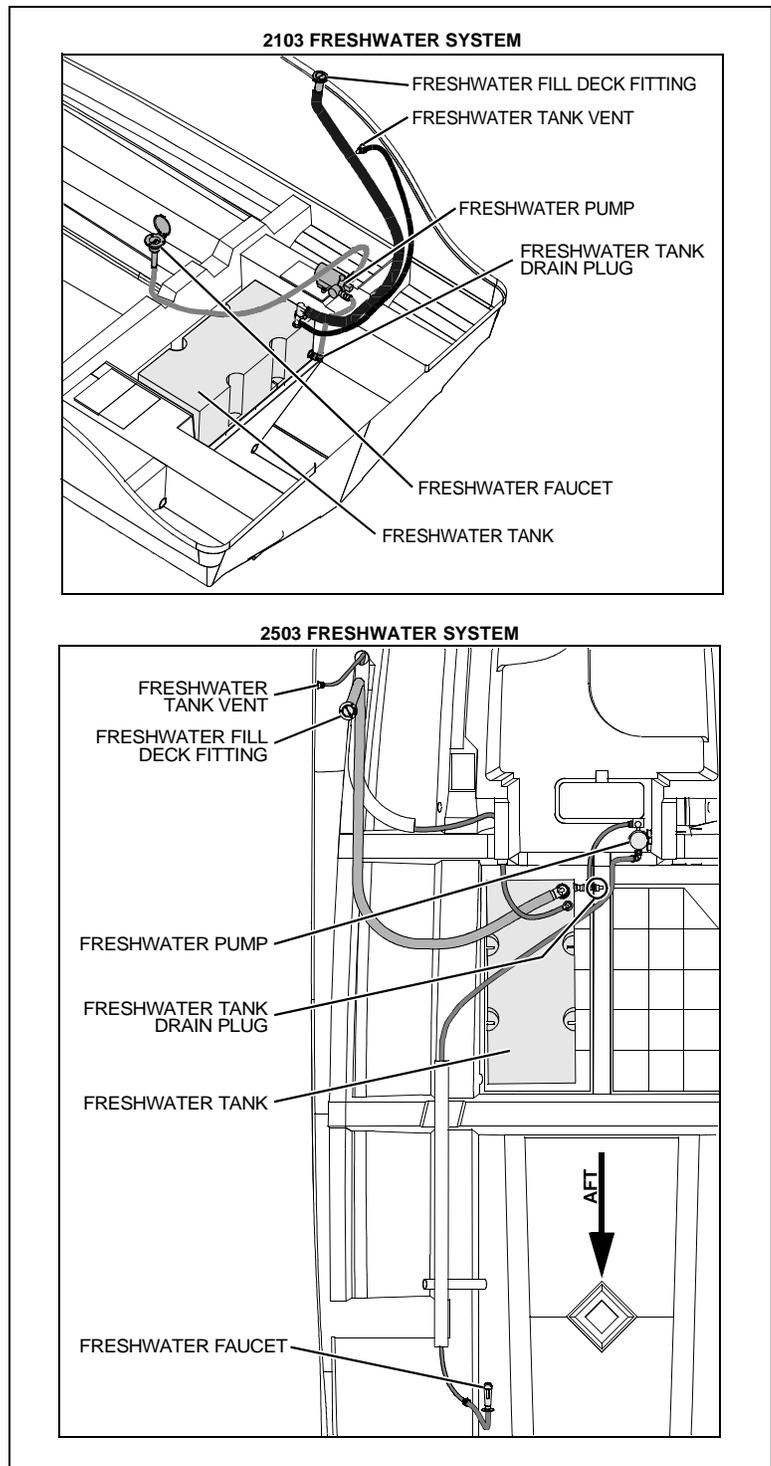
## Freshwater System (2103 & 2503 Only) (If Equipped)



### WARNING!

- **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 unattended 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


CAUTION

**FRESHWATER SYSTEM DAMAGE HAZARD!**

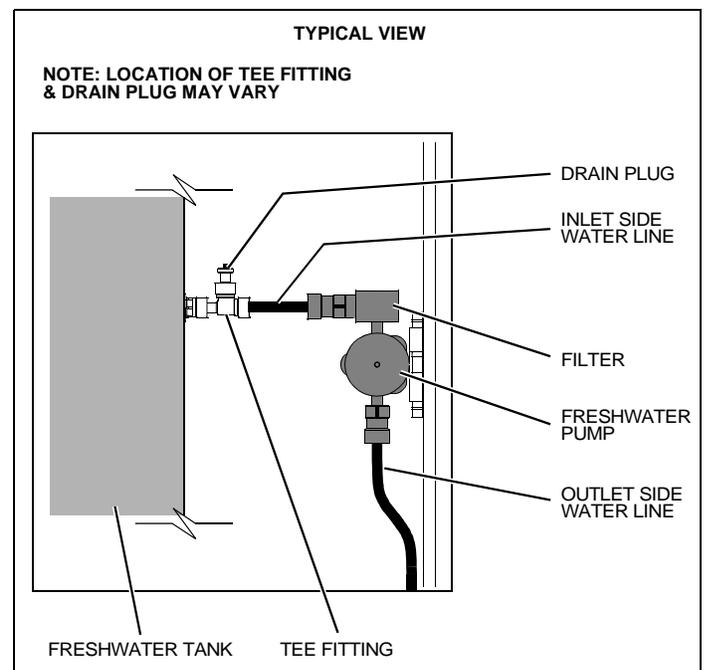
- A faucet must be open when compressed air is blown through the freshwater system.
- **NEVER** blow compressed air through the water system when **ALL** of the faucets are **Closed**.

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.

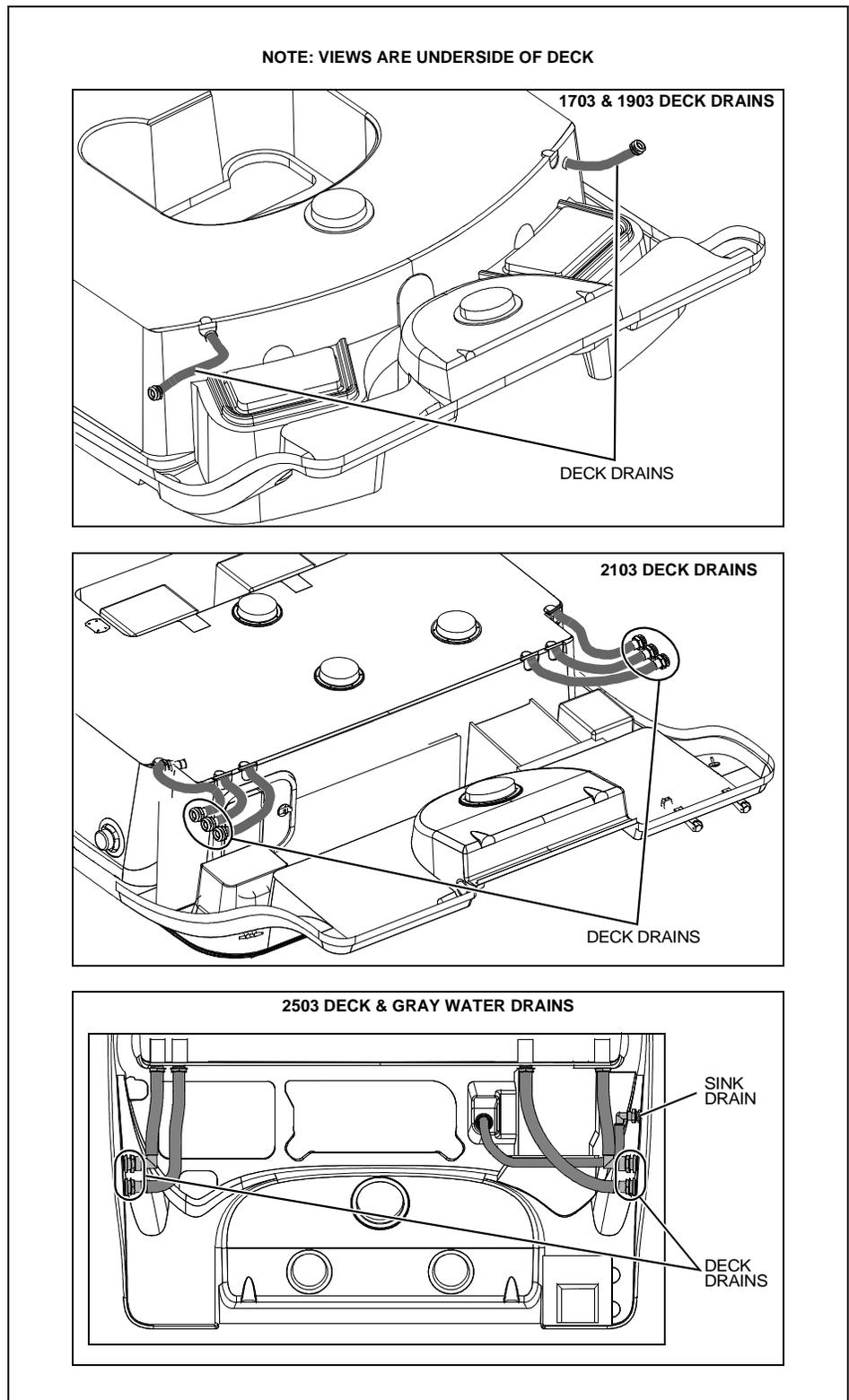
### Gravity Draining

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

- The deck, fish boxes, storage boxes and sink (2503 only) are above the waterline and are gravity drained overboard.
- Keep the drains free of debris.



## Marine Head & Holding Tank (2503 Only) (If Equipped)

### NOTICE

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



### WARNING!

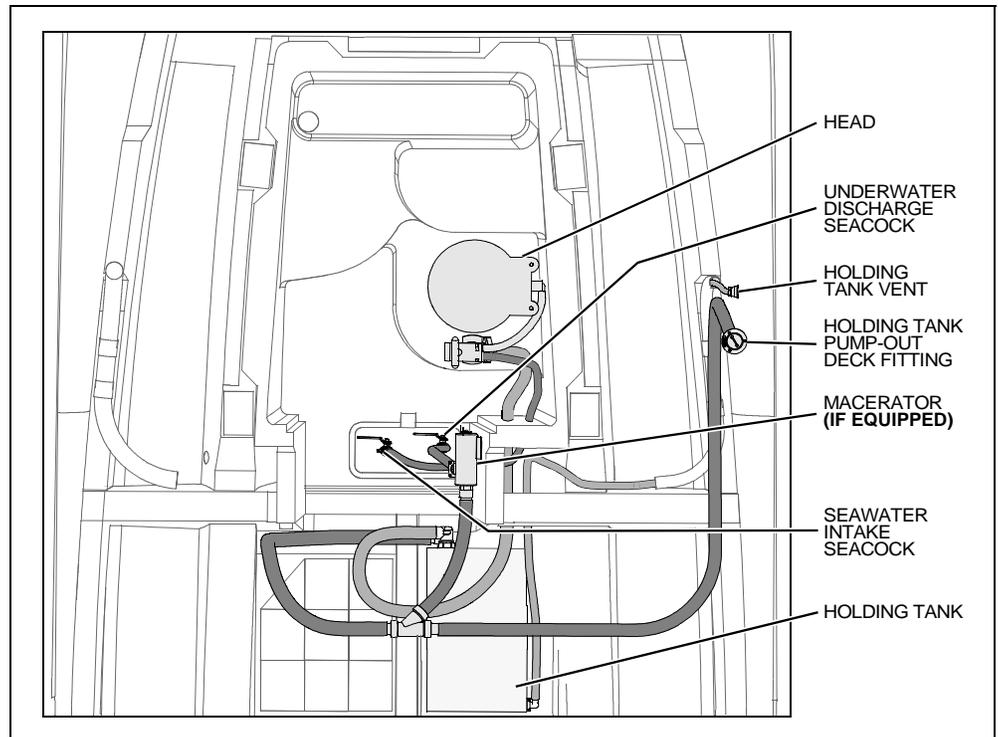
#### **FLOODING and SWAMPING HAZARD!**

- *Close* the seawater intake seacock when leaving your boat unattended for any length of time.
- If the seacock is left open, a hose failure could flood the bilge, swamp the battery(s) and the engine, and even sink your boat.

- *Before* using this system, read the marine head's operation and maintenance manual.
- Look at the side of the holding tank to check the content level.
- The dockside pump-out deck fitting is marked WASTE.
- Empty the holding tank at every opportunity.

#### Using the Marine Head

1. *Open* the head's seawater intake seacock.
  2. *Before* using the head, pump water into the bowl to wet the sides.
  3. After use, pump until the bowl is clean.
  4. Pump a few more times to clean the lines.
  5. If excess waste causes the water to rise in the bowl, stop pumping until the water recedes.
- *Close* the intake seacock when the system will not be used for long periods of time.



#### Winterizing the System

Read the marine head's operation and maintenance manual for winterizing instructions.

### **Macerator (2503 Only) (If Equipped)**

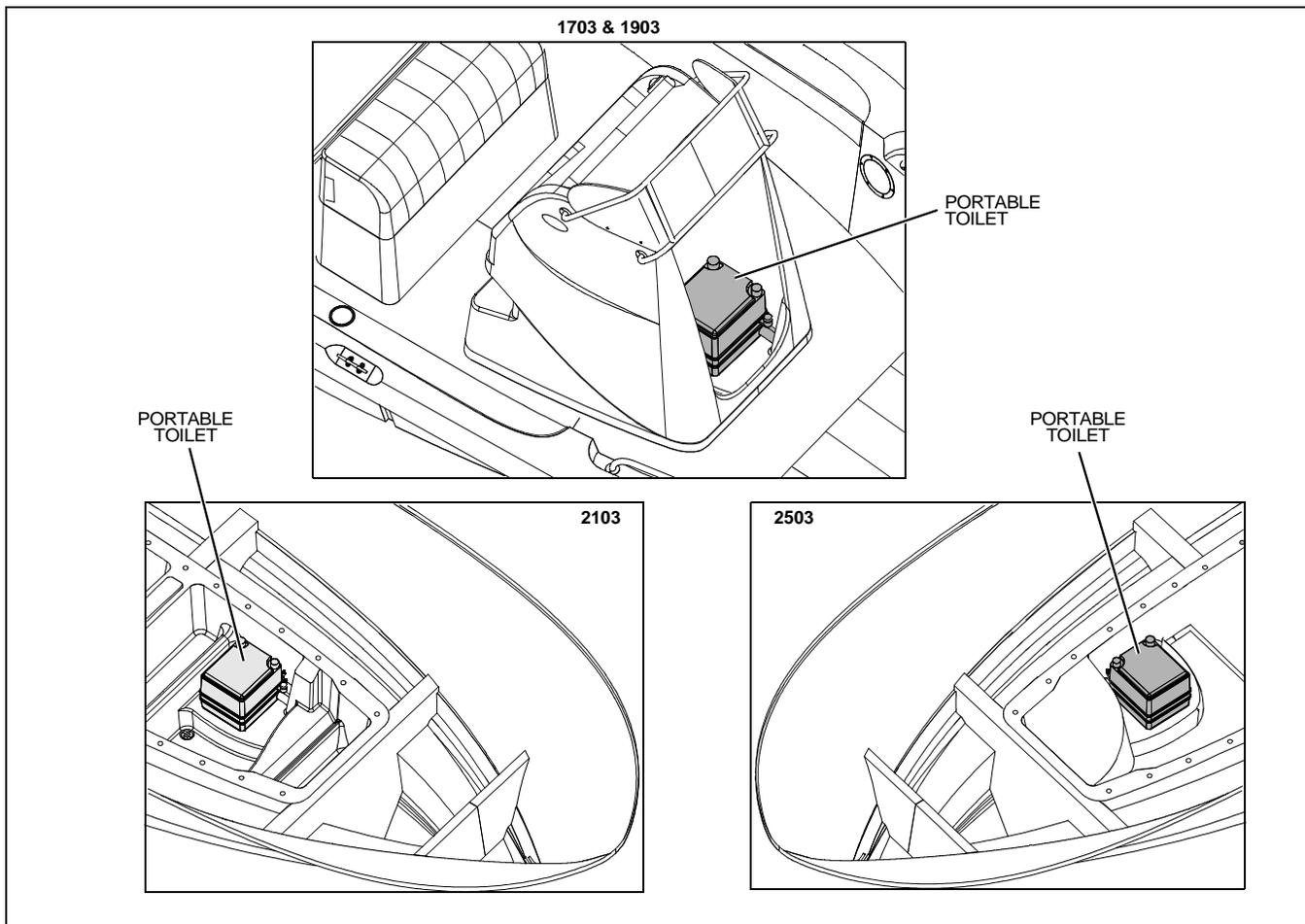
To use the macerator to pump waste directly overboard (where regulations permit):

1. **Open** the underwater discharge seacock.
2. Press both macerator switches at the same time to run the pump.
3. Stop running the macerator as soon as the holding tank is empty.
4. **Close** the underwater discharge seacock when you are done pumping.

### **Portable Toilet (If Equipped)**

#### **NOTICE**

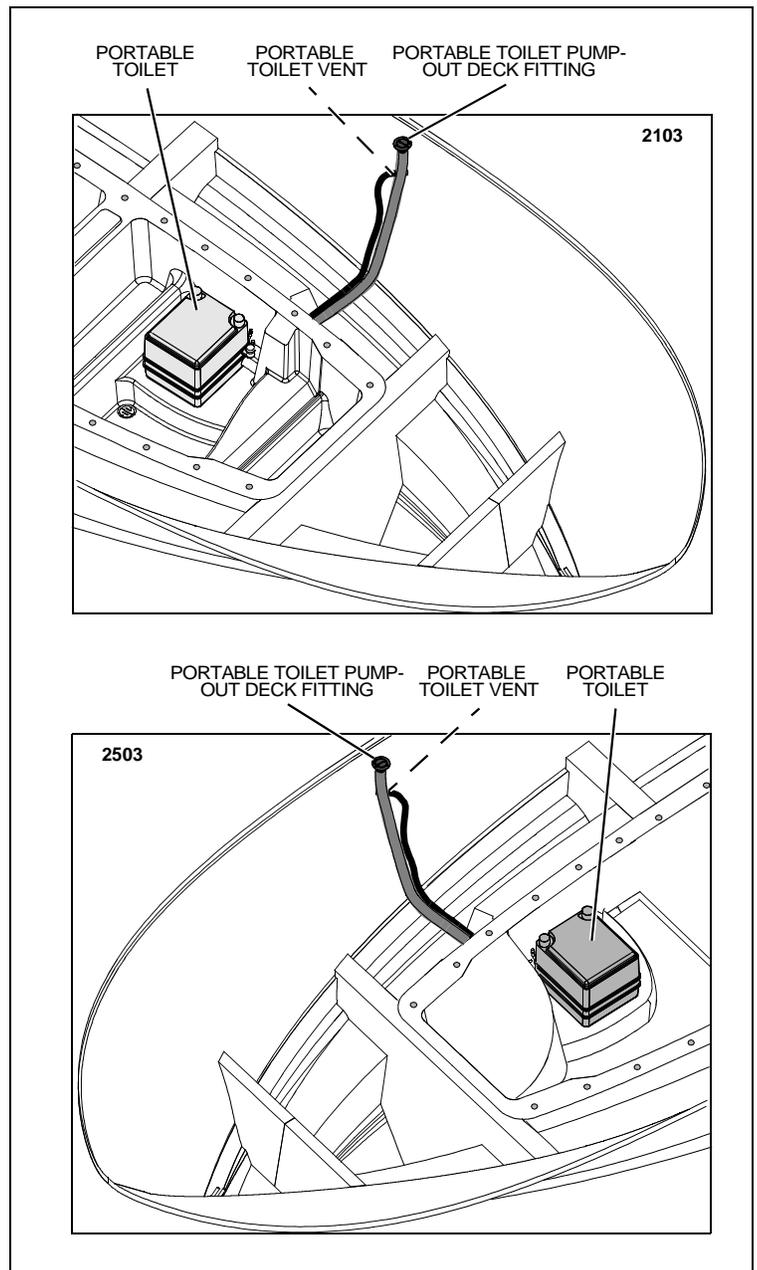
Check with local authorities for regulations regarding the legal use of marine head systems.



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

**Portable Toilet Pump-out  
(2103 & 2503 Only) (If Equipped)**

Read the manufacturer's operating instructions *before* using this feature.



## Chapter 8: Deck Equipment

---

### Cleats & Tow Eyes

 <b>WARNING!</b>
<p><b>PERSONAL INJURY and/or PRODUCT or PROPERTY DAMAGE HAZARD!</b></p> <p><b>NEVER</b> lift your boat using the bow and stern eyes or the cleats.</p>

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

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

### Windlass (2503 Only) (If Equipped)

 <b>DANGER!</b>
<p><b>PERSONAL SAFETY HAZARD!</b></p> <ul style="list-style-type: none"> <li>• <b>ALWAYS</b> secure the anchor and other loose objects <b>BEFORE</b> getting underway.</li> <li>• The anchor and other items that are <b>NOT</b> properly secured can come loose when your boat is moving and cause personal injury or death.</li> </ul>

 <b>CAUTION</b>
<p><b>PRODUCT DAMAGE HAZARD!</b></p> <p>Do <b>NOT</b> pull your boat to the anchor using the windlass or continue to run the windlass if it has stalled or is overloaded.</p>

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

## Canvas (If Equipped)



### CAUTION

**PRODUCT or PROPERTY DAMAGE HAZARD!**

Take down and securely stow **ALL** canvas **BEFORE** transporting your boat by road.

### NOTICE

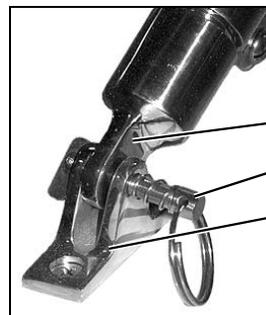
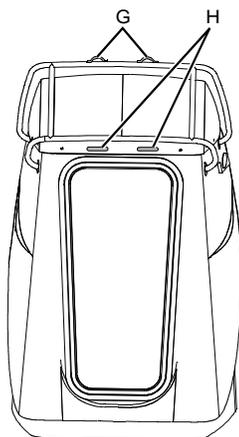
Two people are needed for most of the tasks listed in this section.

### NOTICE

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

### Bimini Top

1. Insert the end eyes (A) into the aft deck hinges (B) and insert the securing pins.
2. Unzip and remove the boot.
3. Insert the end eyes of the forward braces (C) into the forward deck hinges (D) and insert the securing pins.
4. Unfold the canvas and hook the hold down straps (E) to the deck loops (F) and windscreen rail loops (G) or console loops (H) (2503 only).
5. Adjust hold down straps until tight.
  - The jaw slides (I) 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 (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**

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

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**

 <b>CAUTION</b>
<ul style="list-style-type: none"> <li>• <b>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.</b></li> <li>• <b>If needed, a water repellent treatment should be reapplied to your canvas. Ask your dealer about the treatments available for your boat's canvas.</b></li> </ul>

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.

## Chapter 9: Entertainment System

---

### Audio Equipment

<b>NOTICE</b>
---------------

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

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

## Chapter 10: 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

 <b>CAUTION</b>
<ul style="list-style-type: none"> <li>• <b>Be conservative in the use of battery power.</b></li> <li>• <b>Prolonged use of cabin interior lights (overnight) <i>WILL</i> result in a drained battery.</b></li> </ul>

- 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

 <b>CAUTION</b>
<p><b>Avoid the storage of gear where it would block navigation lights from view.</b></p>

<b>NOTICE</b>
<p><b>Running lights are legally required to indicate direction and right-of-way at night.</b></p>

## Chapter 11: 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.
- Make sure that *ALL* battery switches are turned *Off BEFORE* performing any work in the engine spaces.


**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(s), 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.


**CAUTION**

**SHOCK and ELECTRICAL SYSTEM DAMAGE HAZARD!**



When the engine(s) is running, *NEVER* disconnect the battery cables. Doing so could cause damage to your boat's engine(s) 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(s)

- 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.

### Battery Switch(es)

**⚠ CAUTION**

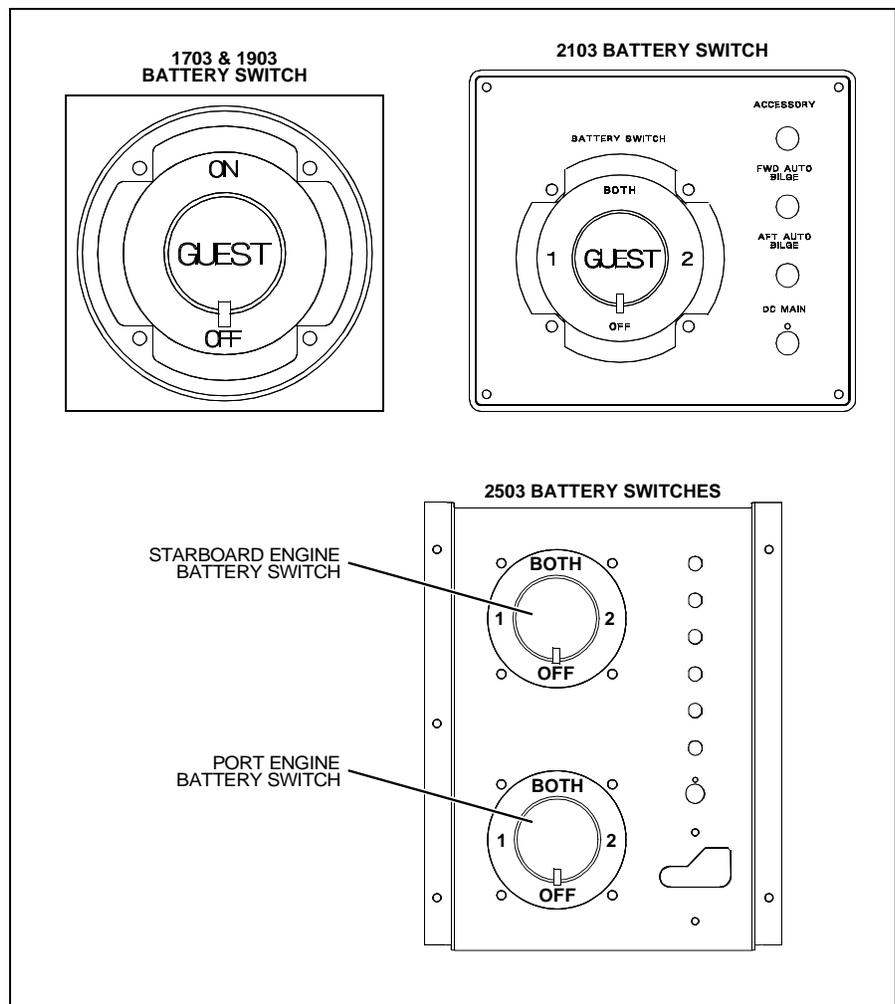
**⚡ SHOCK and ELECTRICAL SYSTEM DAMAGE HAZARD!**

When the engine(s) is running, **NEVER** turn *Off* the battery switch or disconnect the battery cables. Doing either could cause damage to your boat's engine(s) and/or electrical system.

## NOTICE

Make sure your selling dealer fully explains how to use the battery switch(es).

- Standby-loads, such as the automatic bilge pump(s) and the stereo memory, are not affected by the battery switch(es) since they are wired directly to the battery (see the *Wiring Diagrams* section of this chapter for more details).
- Turn the battery switch(es) to the **Off** position whenever your boat will be unoccupied for long periods of time.



**Battery Switch Positions (2103 & 2503 Only)****NOTICE**

Since your boat's batteries were installed by your dealer, the battery switch positions listed below may vary. Make sure your selling dealer fully explains how to use the battery switches.

**2103 Battery Switch Positions**

BATTERY SWITCH POSITIONS	ENGINE STARTING	ACCESSORIES & LIGHTS	ENGINE ALTERNATOR
POSITION "1"	Battery <u>1</u> Provides Starting Power	Battery <u>1</u> Provides Power for Accessories and Lights	Charges Battery <u>1</u>
POSITION "2"	Battery <u>2</u> Provides Starting Power	Battery <u>2</u> NA	Charges Battery <u>2</u>
"BOTH" POSITION	<u>BOTH</u> Batteries Provide Starting Power	<u>BOTH</u> Batteries Provide Power for Accessories and Lights (not advised unless engine is running)	Charges <u>BOTH</u> Batteries

**2503 Battery Switch positions**

BATTERY SWITCH	POSITION "1"	POSITION "2"	POSITION "BOTH"	POSITION "OFF"
STARBOARD ENGINE BATTERY SWITCH	Battery Bank <u>1</u> Provides Port Engine Starting Power & Alternator Charging	Battery Bank <u>2</u> Provides Port Engine Starting Power & Alternator Charging	Connects Battery Bank 1 & 2 Provides Port Engine Starting Power & Alternator Charging	Prevents Port Engine Start/Run
PORT ENGINE BATTERY SWITCH	Battery Bank <u>1</u> Provides Starboard Engine Starting Power, Alternator Charging & Power For Accessories & Lights	Battery Bank <u>2</u> Provides Starboard Engine Starting Power, Alternator Charging & Power for Accessories & Lights	Connects Battery Bank 1 & 2 Provides Starboard Engine Starting Power, Alternator Charging & Power For Accessories & Lights	Prevents Starboard Engine Start/Run

**Fuses & Circuit Breakers**

- Circuit breakers for engines and main accessory power are on the 12-volt DC push-to-reset circuit breaker panel and on the battery switch panel.
- For the locations of the battery switch panel and the 12-volt DC push-to-reset circuit breakers, see the *Component Locations* section in *Chapter 2* of this *supplement*.

NOTE: Some equipment may have secondary fuse protection at the unit, behind the battery switch panel, or at the batteries.

**12-Volt DC Accessory Outlet (10-Amp)****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 breaker on the 12-volt DC push-to-reset circuit breaker panel.

**12-Volt DC Accessory Outlet (20-Amp) (2503 Only)****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 20-amps or less.
- The 12-volt DC accessory outlet is protected by a 20-amp breaker on the 12-volt DC push-to-reset circuit breaker panel.

**Alternator**

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

**Battery Charger (2503 Only) (If Equipped)****CAUTION**

**ENGINE and ELECTRICAL SYSTEM DAMAGE HAZARD!**

**NEVER run your boat's engine(s) and the battery charger at the same time.**

**CAUTION**

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

- **Before** using the battery charger, read *all* instructions and warnings: (1) on the battery charger, (2) on the batteries, and (3) in the battery charger manual.
- The battery charger will automatically charge your boat's batteries when 110-volt AC power is being provided by shore power.
- The battery switches can be in any position during charging.
- During battery charging you may use 12-volt accessories, such as the lights and stereo, but battery charging will take longer.

## 110-Volt AC System (2503 Only) (If Equipped)

### Shore Power


**DANGER!**

**FIRE, EXPLOSION and SHOCK HAZARD!**



- Use *ONLY* compatible shore power connectors and *NEVER* alter the connectors.
- Turn *Off ALL* breakers and switches on the 110-volt AC master panel *BEFORE* plugging in or unplugging the shore power cord.
- To prevent shock or injury from dropping a "hot" cord into the water:
  - a. *ALWAYS* plug the shore power cord into the boat inlet first, and then into the dockside outlet.
  - b. When unplugging from shore power, *ALWAYS* unplug the shore power cord from the dockside outlet first.
- *NEVER* leave the shore power cord plugged into the dockside outlet *ONLY*.
- *ONLY* use shore power cords approved for marine use. *NEVER* use ordinary indoor or outdoor extension cords.


**WARNING!**

**SHOCK and ELECTRICAL SYSTEM DAMAGE HAZARD!**



- Monitor the polarity indicator lights *EVERY TIME* you connect to shore power.
- If a reversed polarity light turns *On* when you are connecting to shore power, do *NOT* turn *On* the main breaker switches.
- Instead, *IMMEDIATELY* unplug the shore power cord (*ALWAYS* from the dockside outlet first) and alert marina management.


**WARNING!**

**SHOCK and ELECTRICAL SYSTEM DAMAGE HAZARD!**



- *BEFORE* each use, check the shore power cord for defects or damage.
- *NEVER* use a damaged or faulty cord since the danger of fire and electrical shock exists.
- Do *NOT* pinch the shore power cord in doors or hatches, or coil the shore power cord too tightly, since these situations can generate enough heat to result in a fire.
- If a shore power cord is dropped into the water, *COMPLETELY* dry the blades and contact slots *BEFORE* using.


**CAUTION**

**ELECTRICAL SYSTEM DAMAGE HAZARD!**



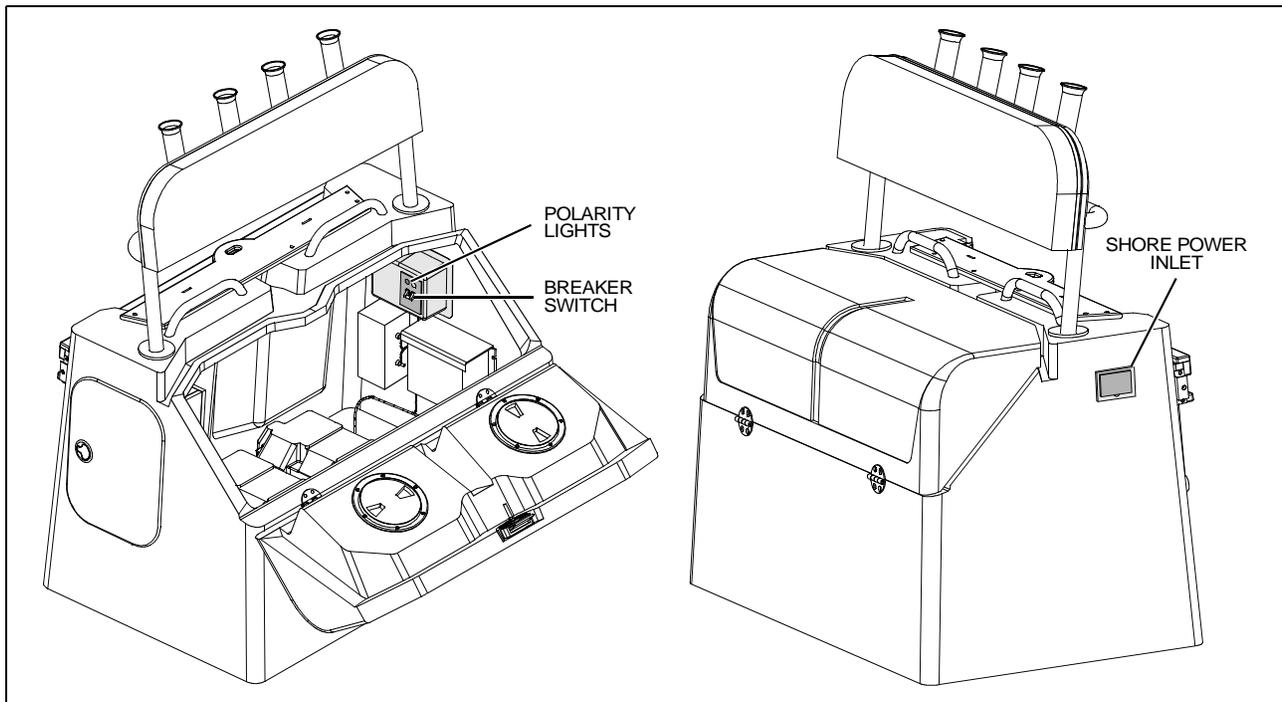
- *NEVER* connect to dockside power outside of North America unless you have the international electrical conversion option.
- Using several 110-volt AC accessories at the same time can result in an overloaded circuit. You may have to turn *Off* one or more accessories to use another accessory.
- Use double insulated or three-wire protected electrical appliances whenever possible.

## Connecting to Shore Power

! **WARNING!**

SHOCK and ELECTRICAL SYSTEM DAMAGE HAZARD!

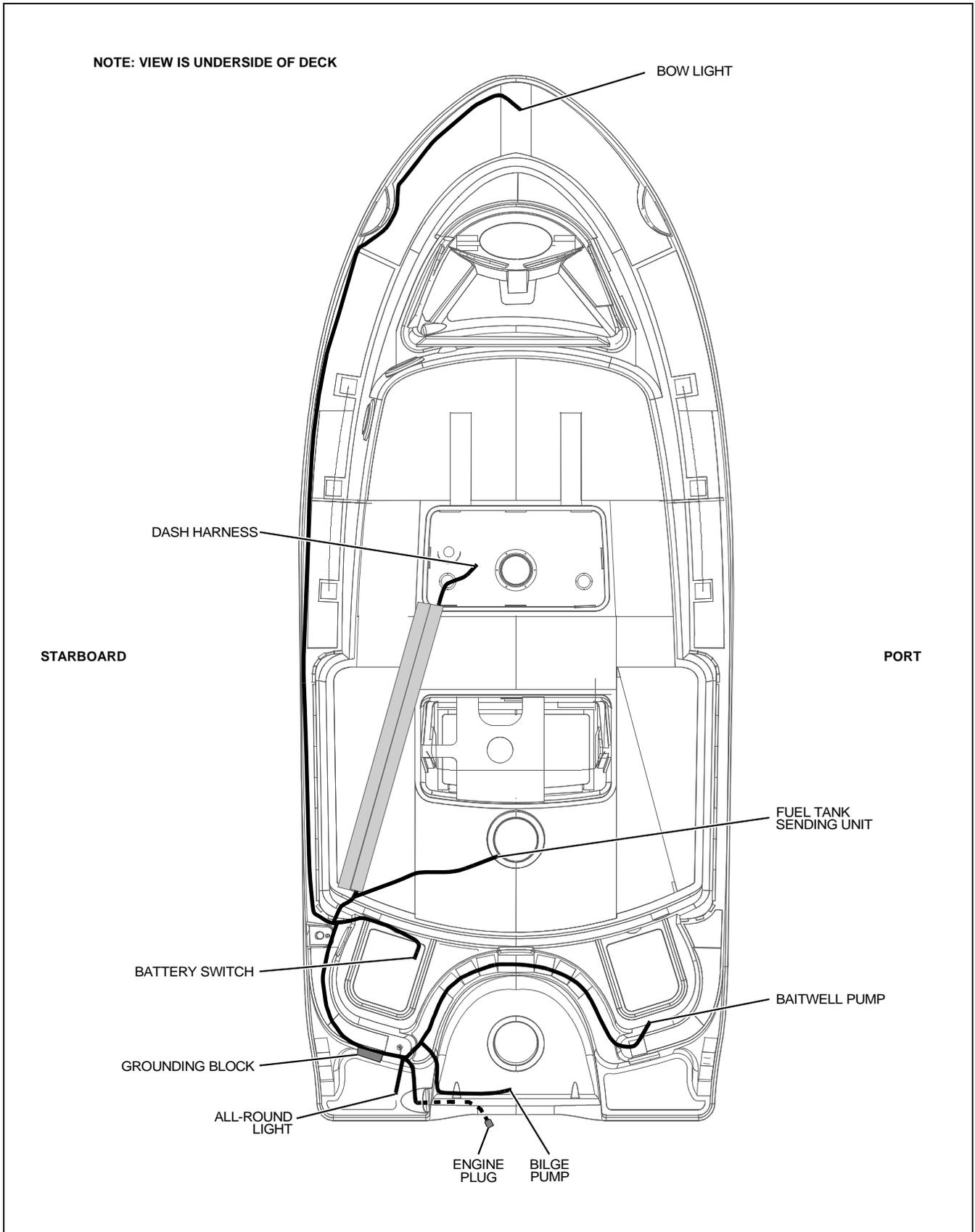
- Monitor the polarity indicator lights *EVERY TIME* you connect to shore power.
- If a reversed polarity light turns *On* when you are connecting to shore power, do *NOT* turn *On* the main breaker switches.
- Instead, *IMMEDIATELY* unplug the shore power cord (*ALWAYS* from the dockside outlet first) and alert marina management.



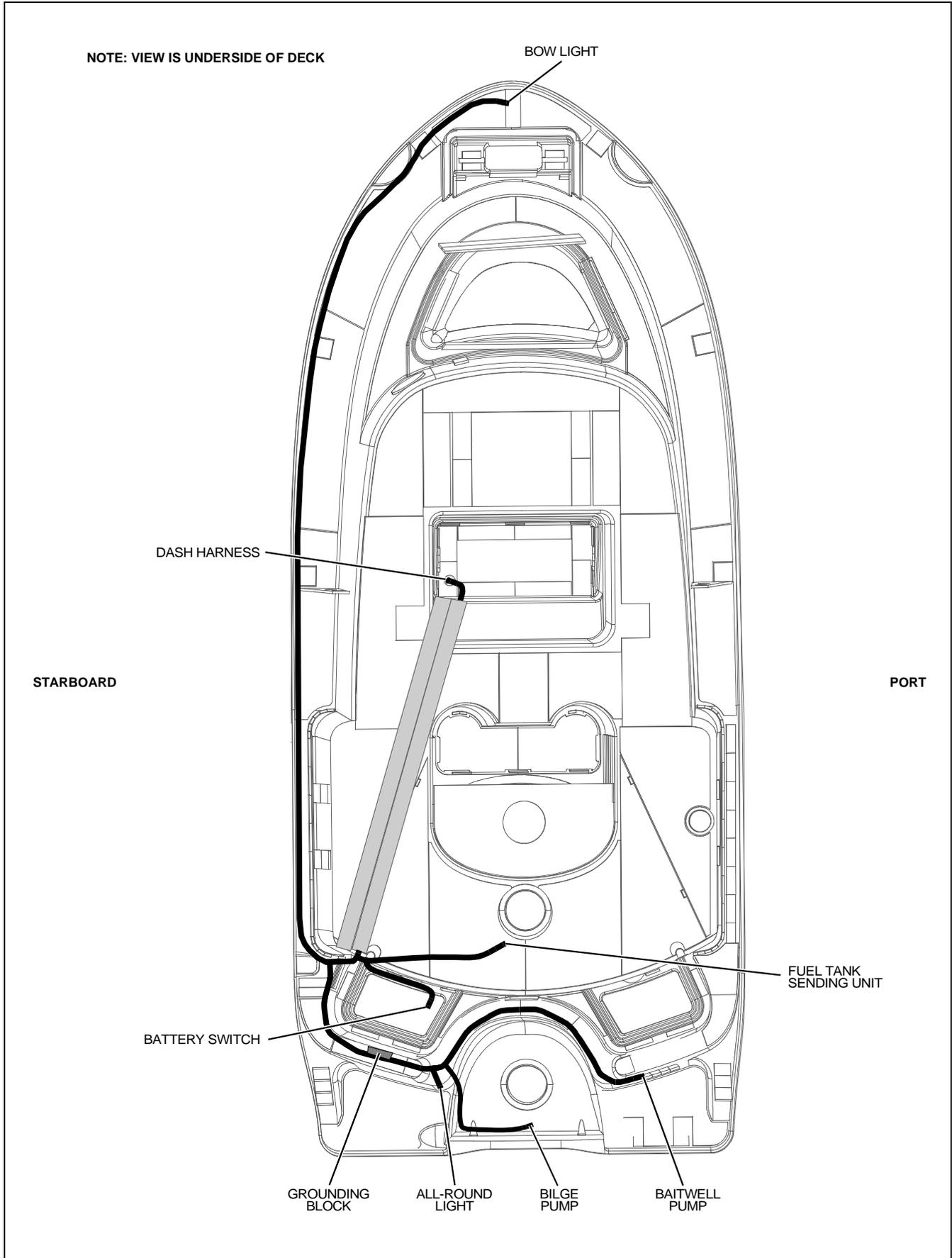
1. Review *all* hazard information at the beginning of this section, *Shore Power*.
2. Turn *Off* the shore power master circuit breaker.
3. Attach the shore power cord to the boat inlet first, then to the dockside outlet.
4. Turn *On* the shore power master circuit breaker.

# Electrical Routings

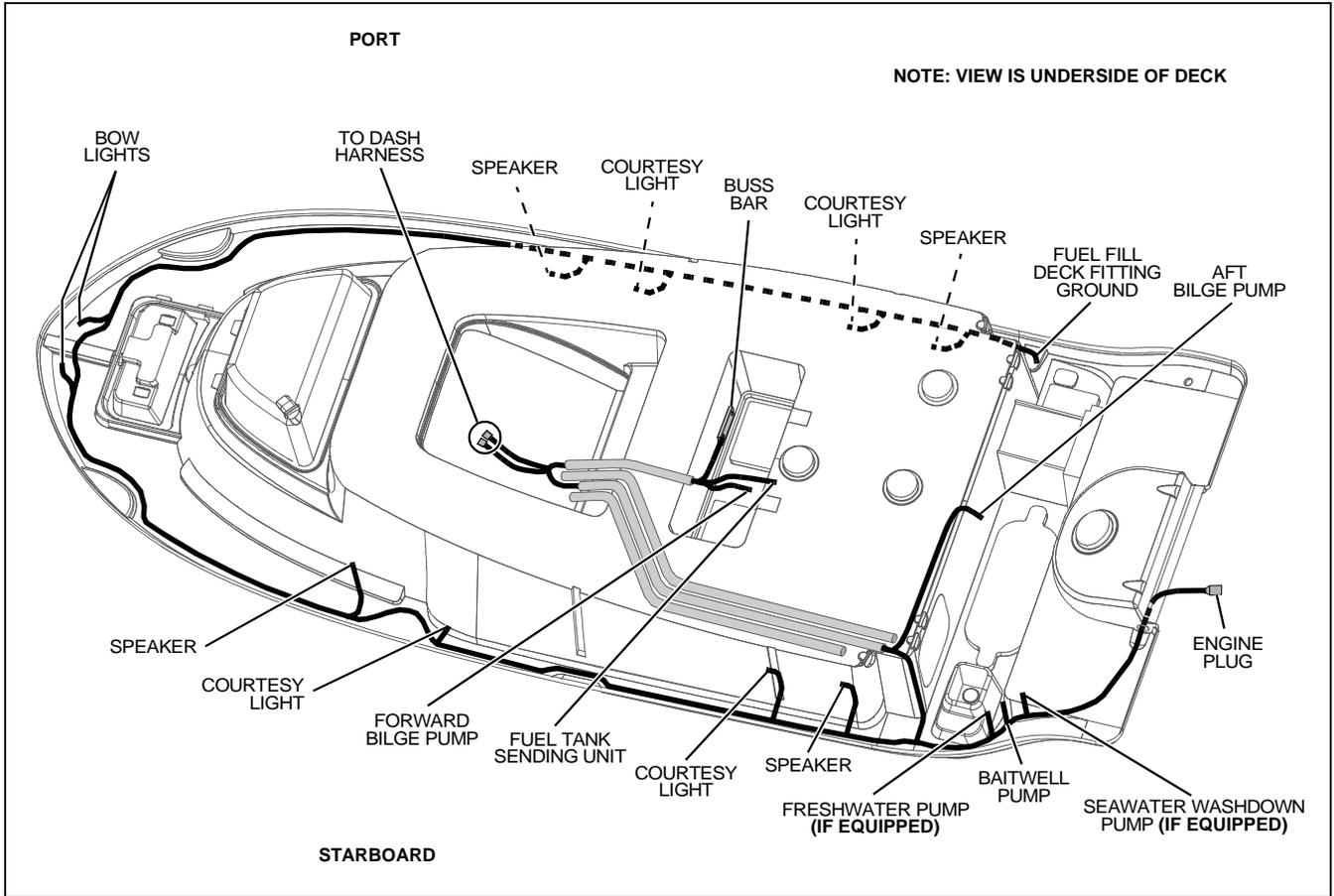
## 12-Volt DC Deck Harness - 1703



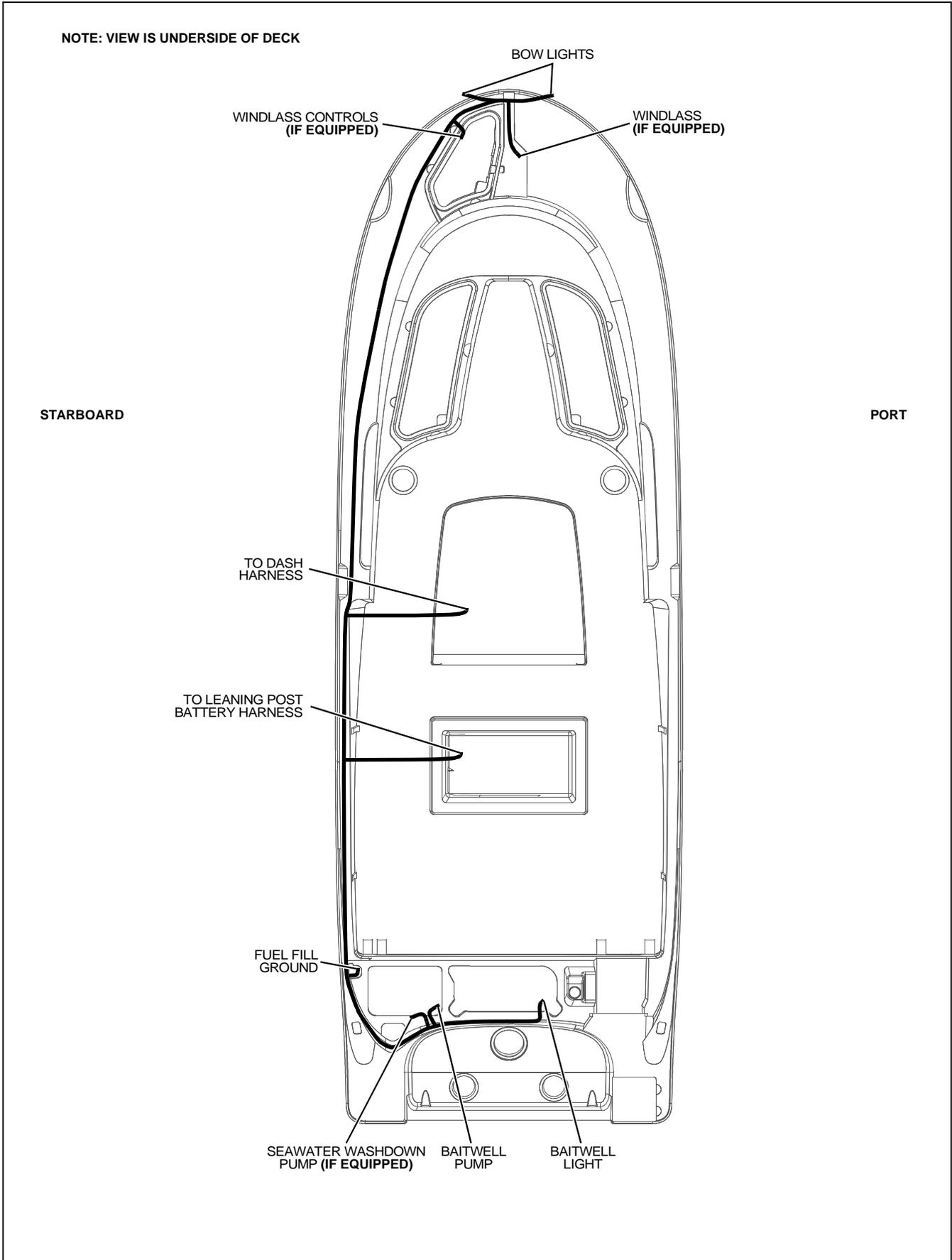
### 12-Volt DC Deck Harness - 1903



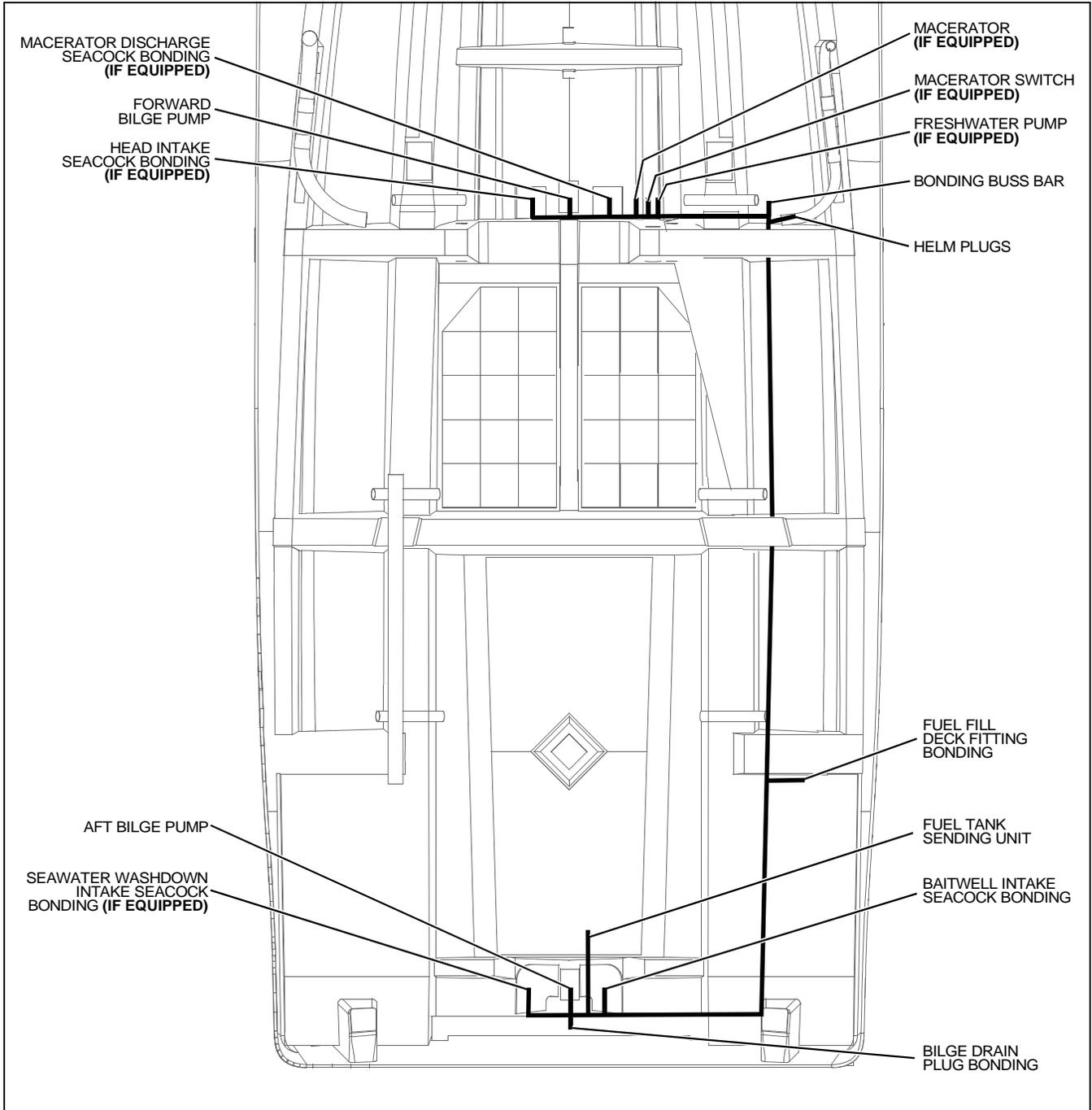
### 12-Volt DC Deck Harness - 2103



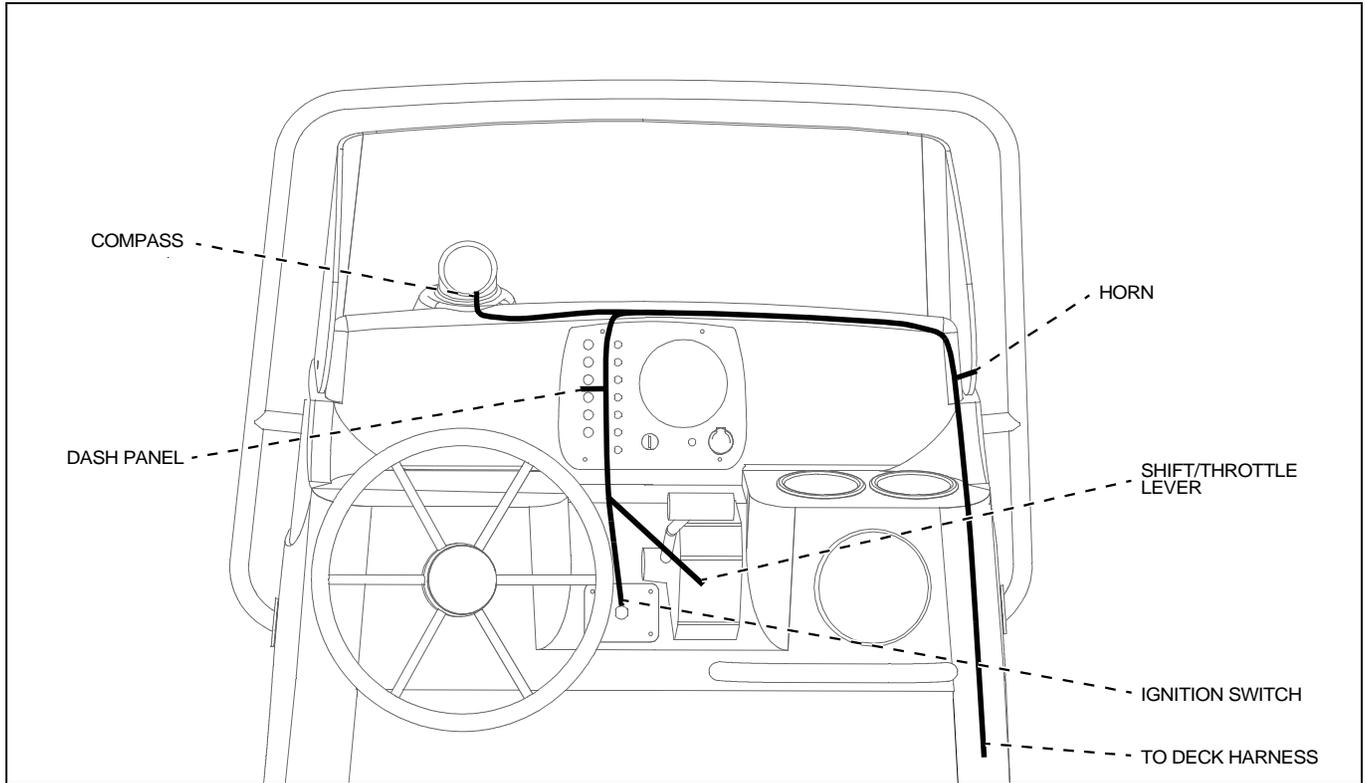
### 12-Volt DC Deck Harness - 2503



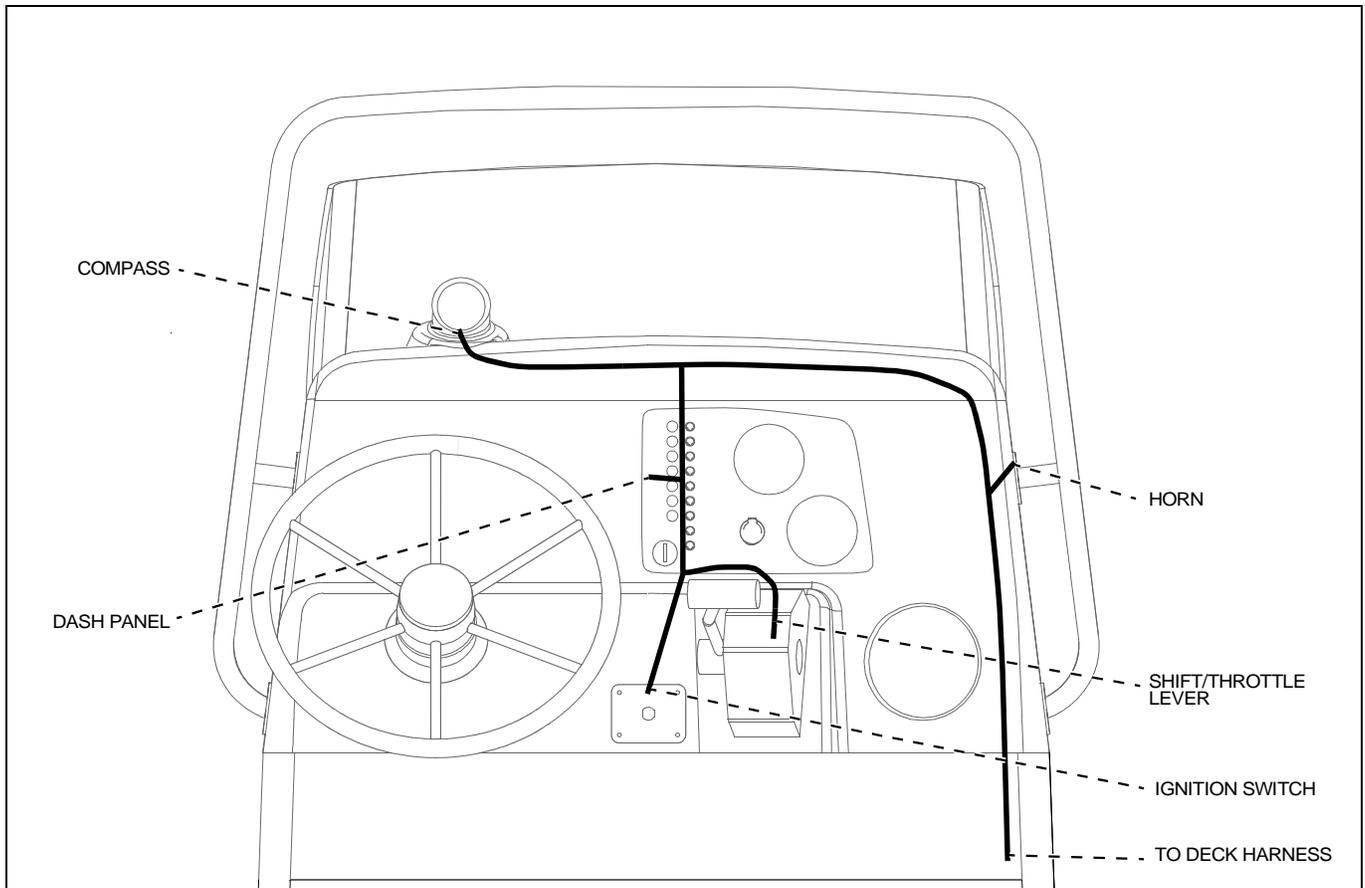
### 12-Volt DC Hull Harness - 2503



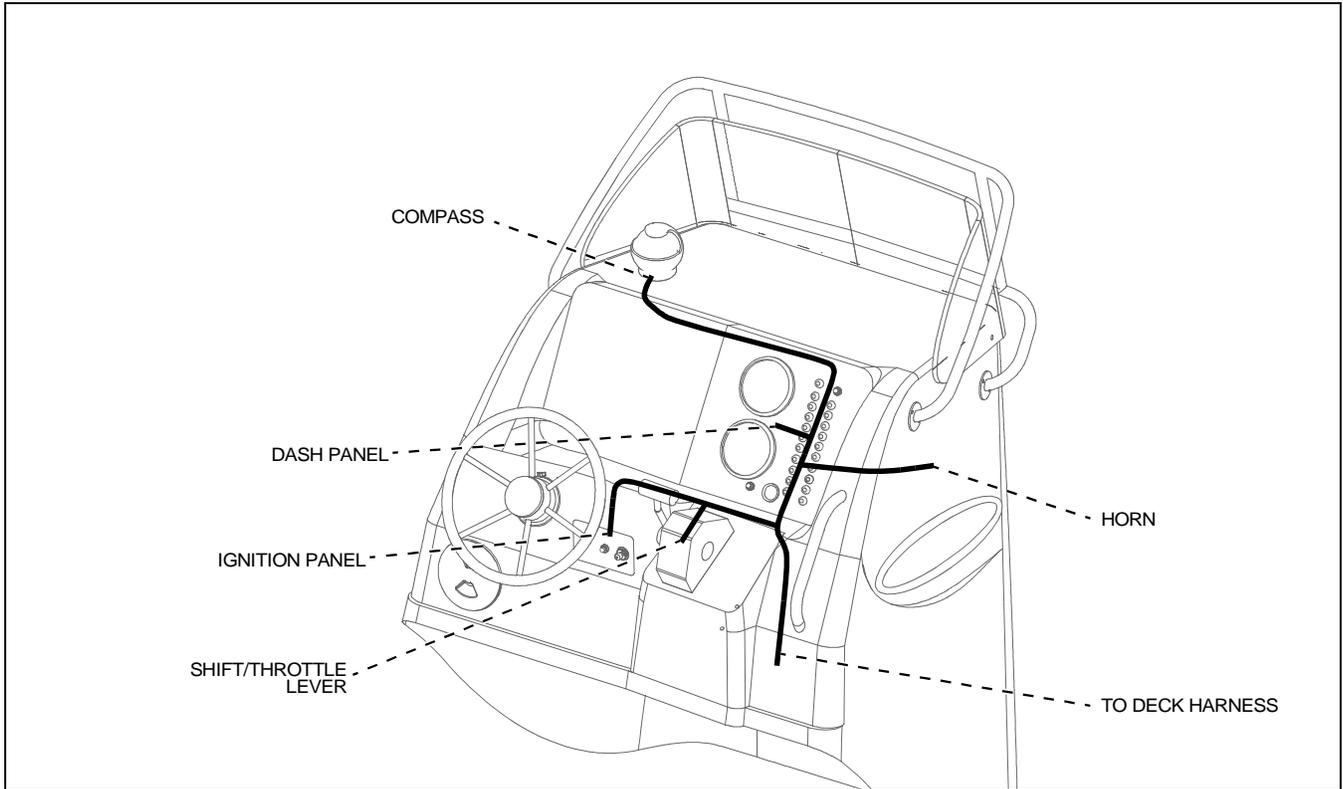
### 12-Volt DC Dash Harness - 1703



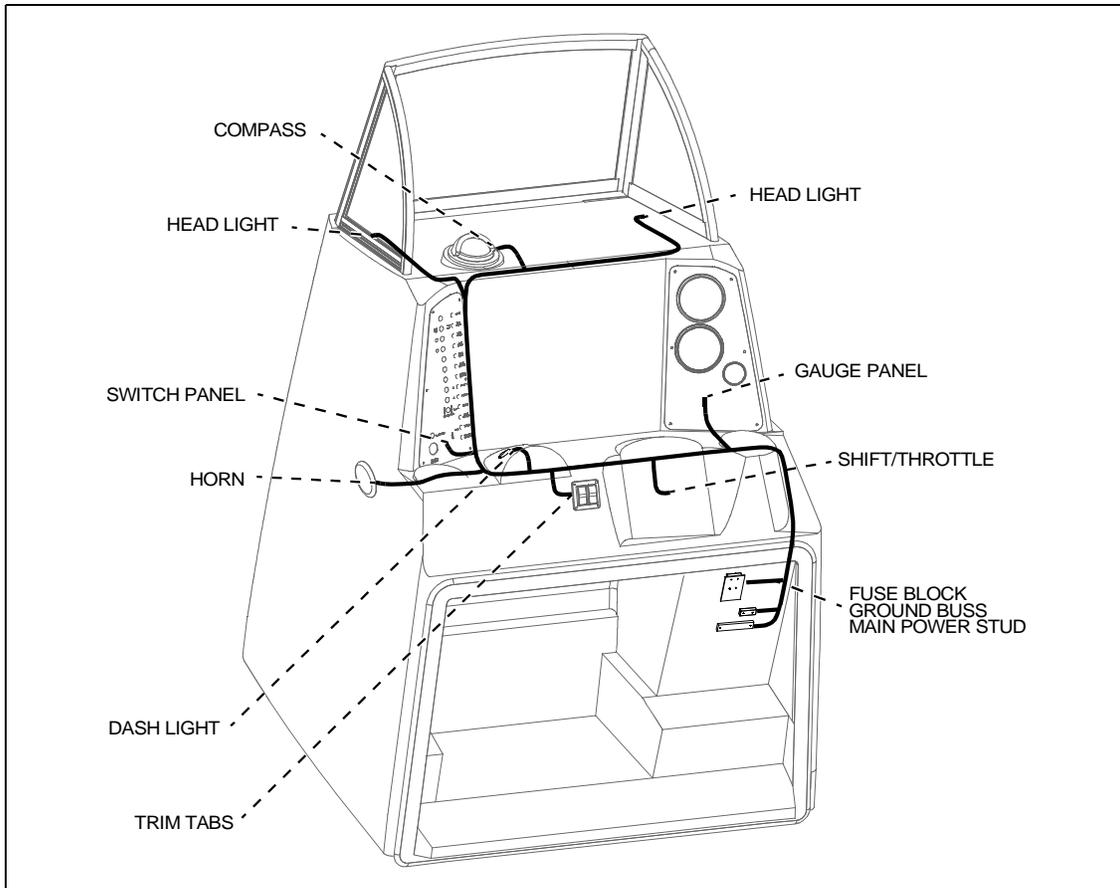
### 12-Volt DC Dash Harness - 1903



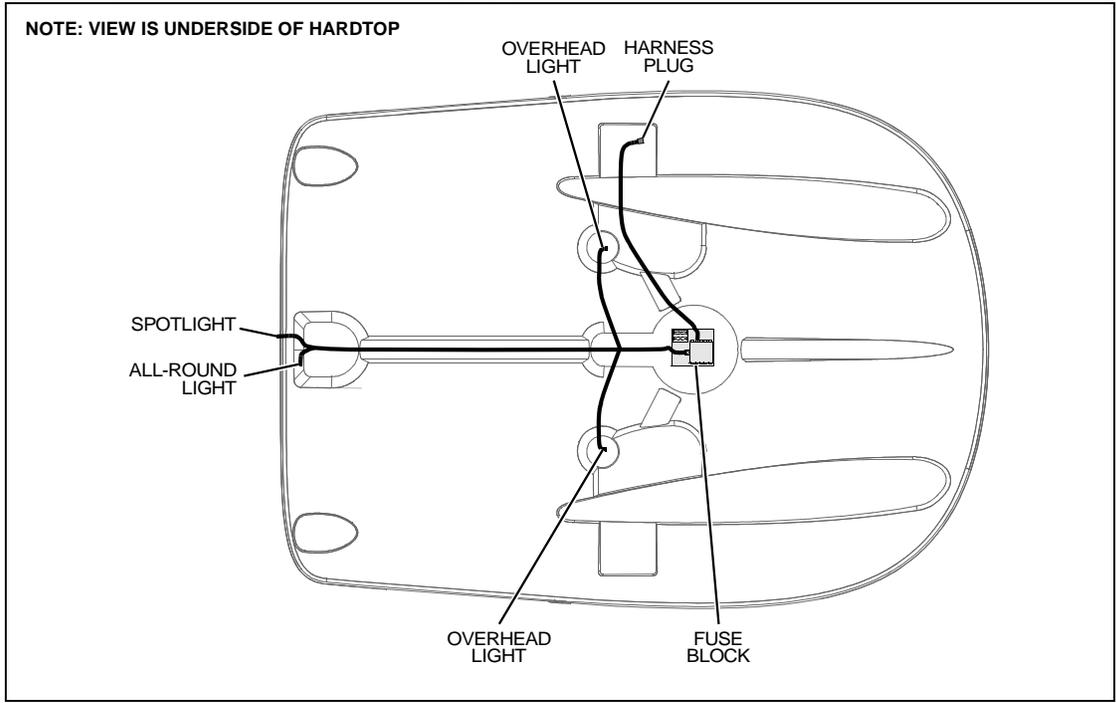
### 12-Volt DC Dash Harness - 2103



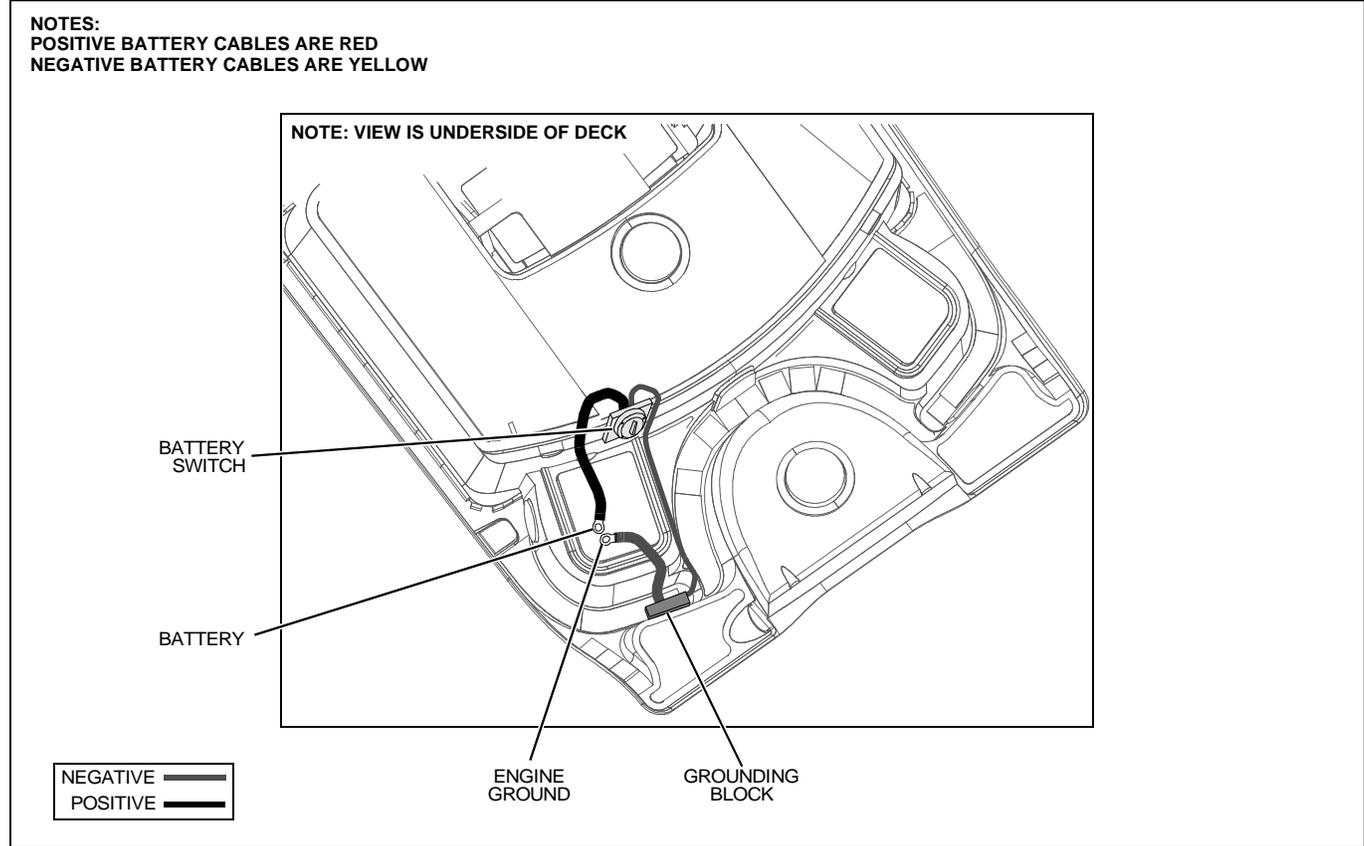
### 12-Volt DC Dash Harness - 2503



### 12-Volt DC T-Top Harness - 2503 (If Equipped)

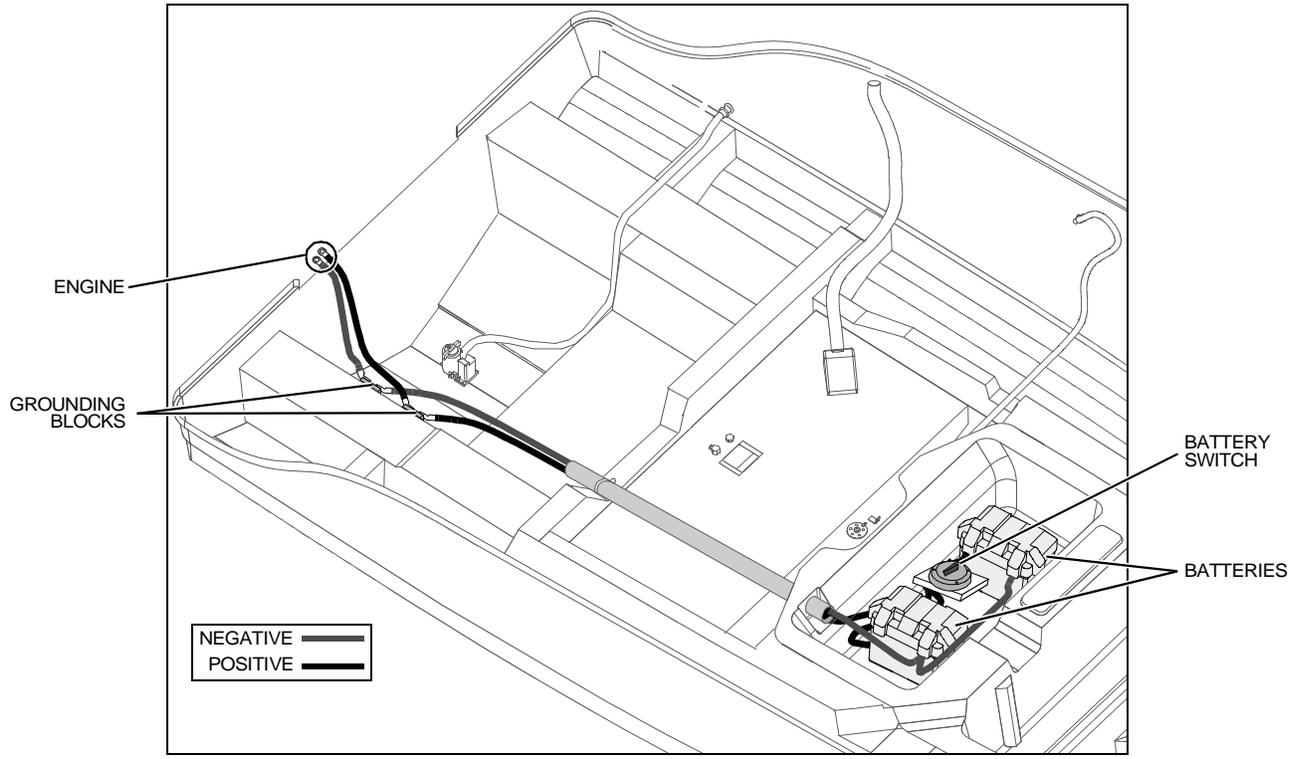


### Battery System - 1703 & 1903



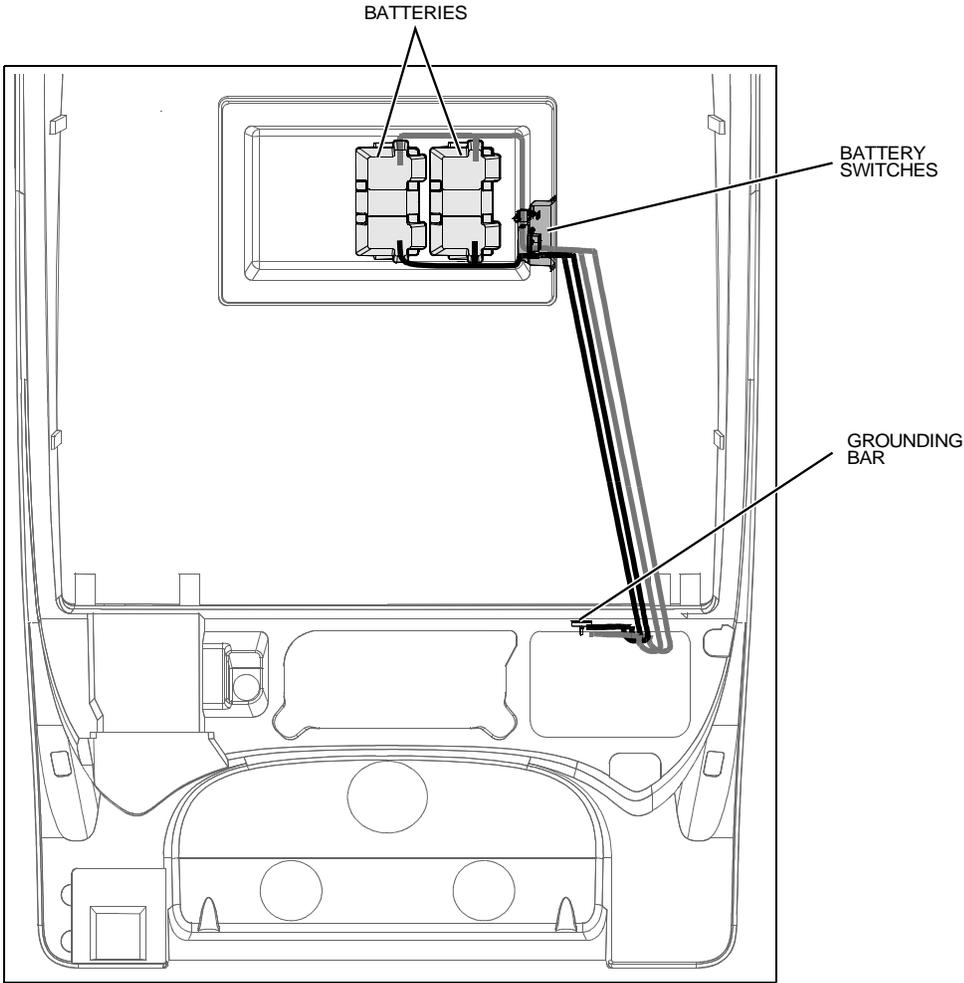
### Battery System - 2103

NOTES:  
POSITIVE BATTERY CABLES ARE RED  
NEGATIVE BATTERY CABLES ARE YELLOW



**Battery System - 2503**

NOTES:  
POSITIVE BATTERY CABLES ARE RED  
NEGATIVE BATTERY CABLES ARE YELLOW

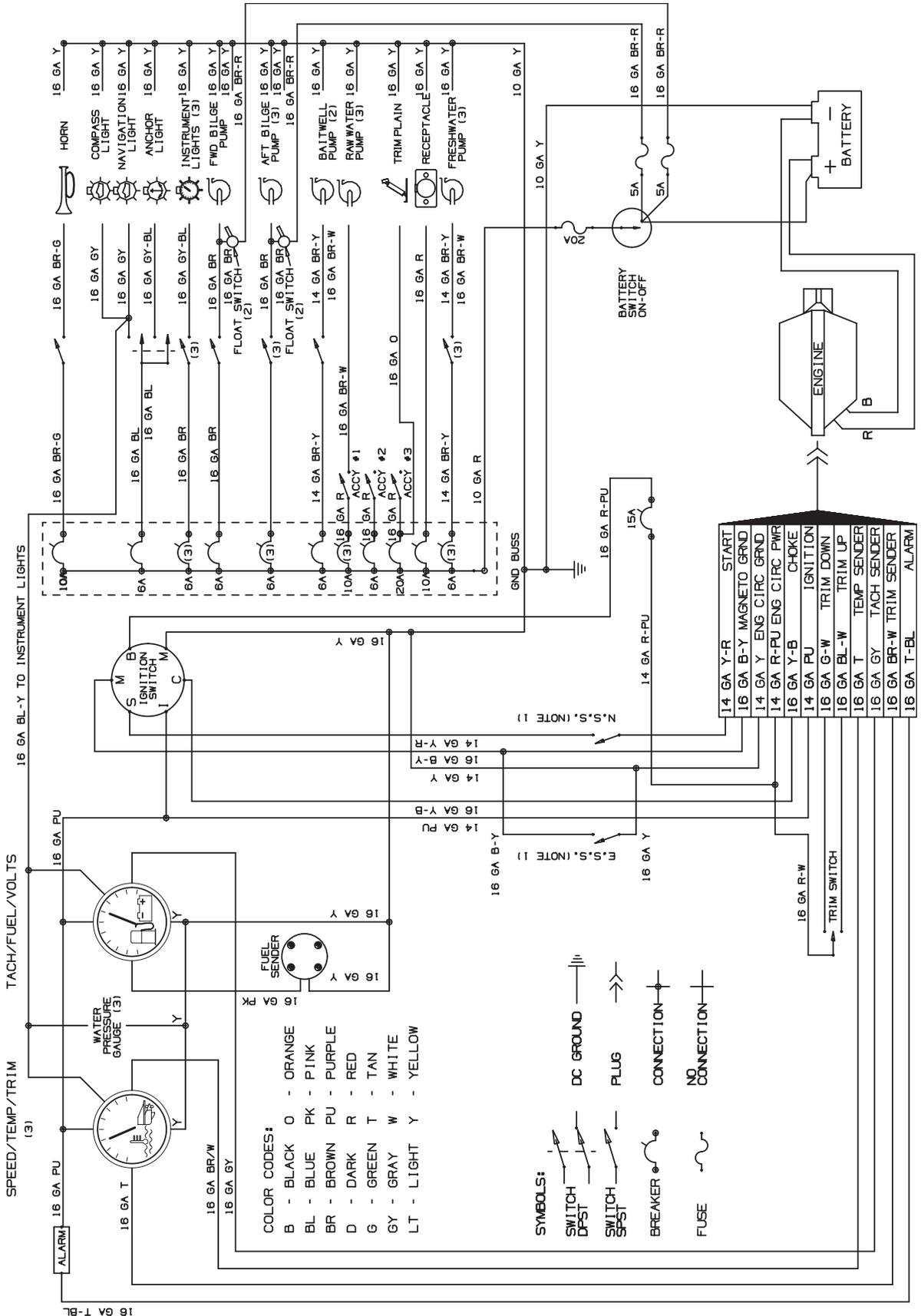




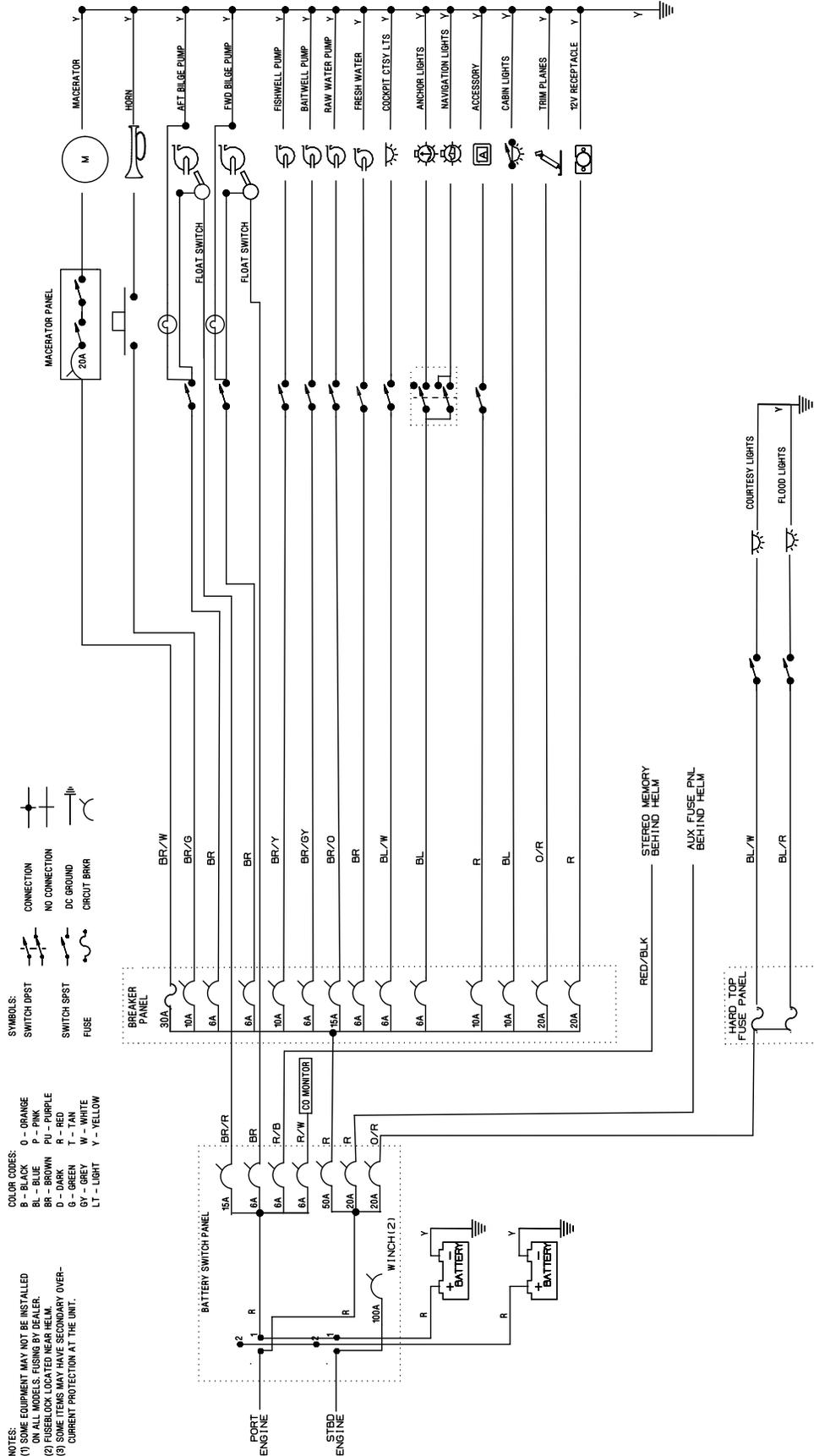
### 12-Volt DC Electrical System - 2103

**NOTES:**

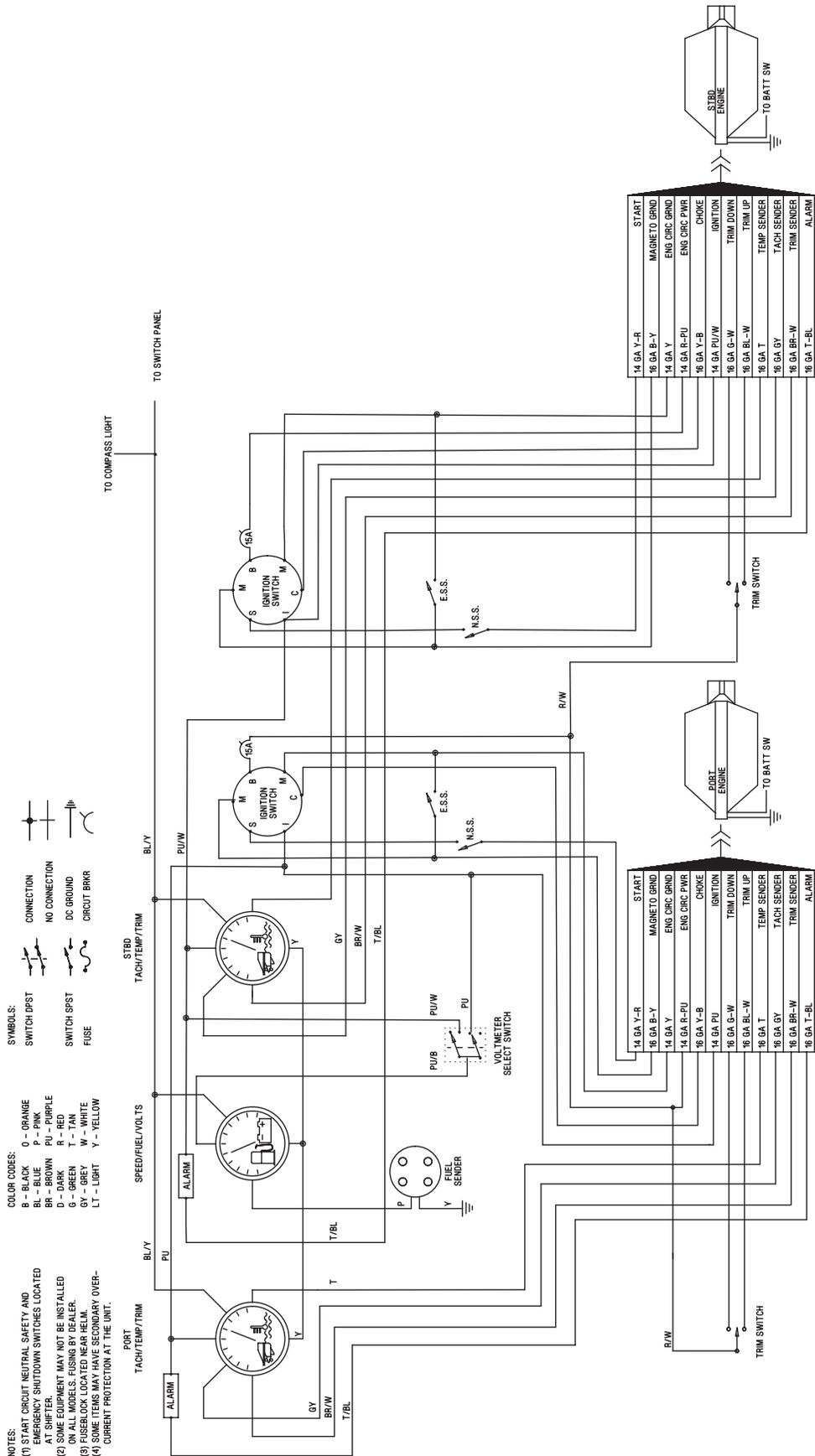
- (1) START CIRCUIT NEUTRAL SAFETY (N.S.S.), AND EMERGENCY SHUTDOWN SWITCHES (E.S.S.) LOCATED AT/ OR NEAR SHIFTERS. SOME ITEMS MAY HAVE SECONDARY OVERCURRENT PROTECTION AT THE UNIT.
- (2) OPTIONAL EQUIPMENT NOT INSTALLED ON ALL BOATS.
- (3) TACH/FUEL/TRIM SPEED/FUEL/VOLTS



### 12-Volt DC Electrical System - 2503



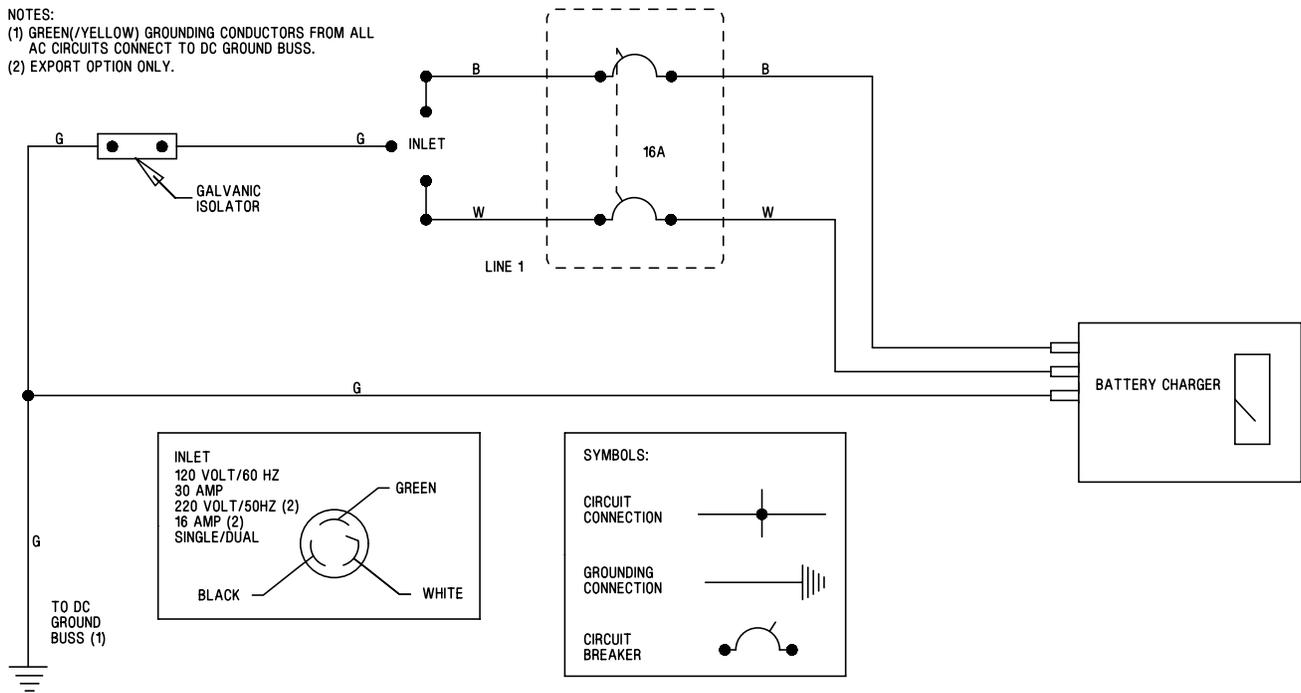
# Engine Electrical System - 2503



### 110-Volt AC Shore Power System - 2503 (If Equipped)

**NOTES:**

- (1) GREEN(/YELLOW) GROUNDING CONDUCTORS FROM ALL AC CIRCUITS CONNECT TO DC GROUND BUSS.
- (2) EXPORT OPTION ONLY.



# Important Records

---

## Selling Dealer

\_\_\_\_\_  
Name Of Dealership

\_\_\_\_\_  
Address

\_\_\_\_\_  
Phone/FAX/E-mail

\_\_\_\_\_  
Sales Manager

\_\_\_\_\_  
Service Manager

## Key Numbers

\_\_\_\_\_  
Ignition

\_\_\_\_\_  
Other

## Electronics

\_\_\_\_\_  
Manufacturer

\_\_\_\_\_  
Model Name/Number

\_\_\_\_\_  
Serial Number

## Engine(s)

\_\_\_\_\_  
Port Engine Serial Number

\_\_\_\_\_  
Starboard Engine Serial Number

\_\_\_\_\_  
Oil Type/SAE

\_\_\_\_\_  
Quarts per Engine

\_\_\_\_\_  
Filter Type

## Propeller

\_\_\_\_\_  
Manufacturer

\_\_\_\_\_  
Pitch

\_\_\_\_\_  
Model Number

## Fuel System

\_\_\_\_\_  
Fuel Capacity

\_\_\_\_\_  
Filter Type

# 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

Registration/Documentation Number		
Length	Make	Type
Hull Color		Trim Color
Fuel Capacity	Engine Type	Number of Engines
Distinguishing Features		
Distinguishing Features		

## Operator of Boat

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

## Persons Onboard

Full Name		
Age	Health	Phone Number
Full Name		
Age	Health	Phone Number
Full Name		
Age	Health	Phone Number
Full Name		
Age	Health	Phone Number
Full Name		
Age	Health	Phone Number
Full Name		
Age	Health	Phone Number

## Survival Equipment

Marine Radio (Yes/No)	Type	Frequencies
Number of PFDs	Flares (Yes/No)	Mirror (Yes/No)
Smoke Signals (Yes/No)	Flashlight (Yes/No)	Food (Yes/No)
Water (Yes/No)	Anchor (Yes/No)	Raft/Dinghy (Yes/No)
Paddles (Yes/No)	EPIRB (Yes/No)	Other
Other	Other	Other

## Vehicle Description

Make	Model
Color	License Number
Where is the Vehicle Parked?	

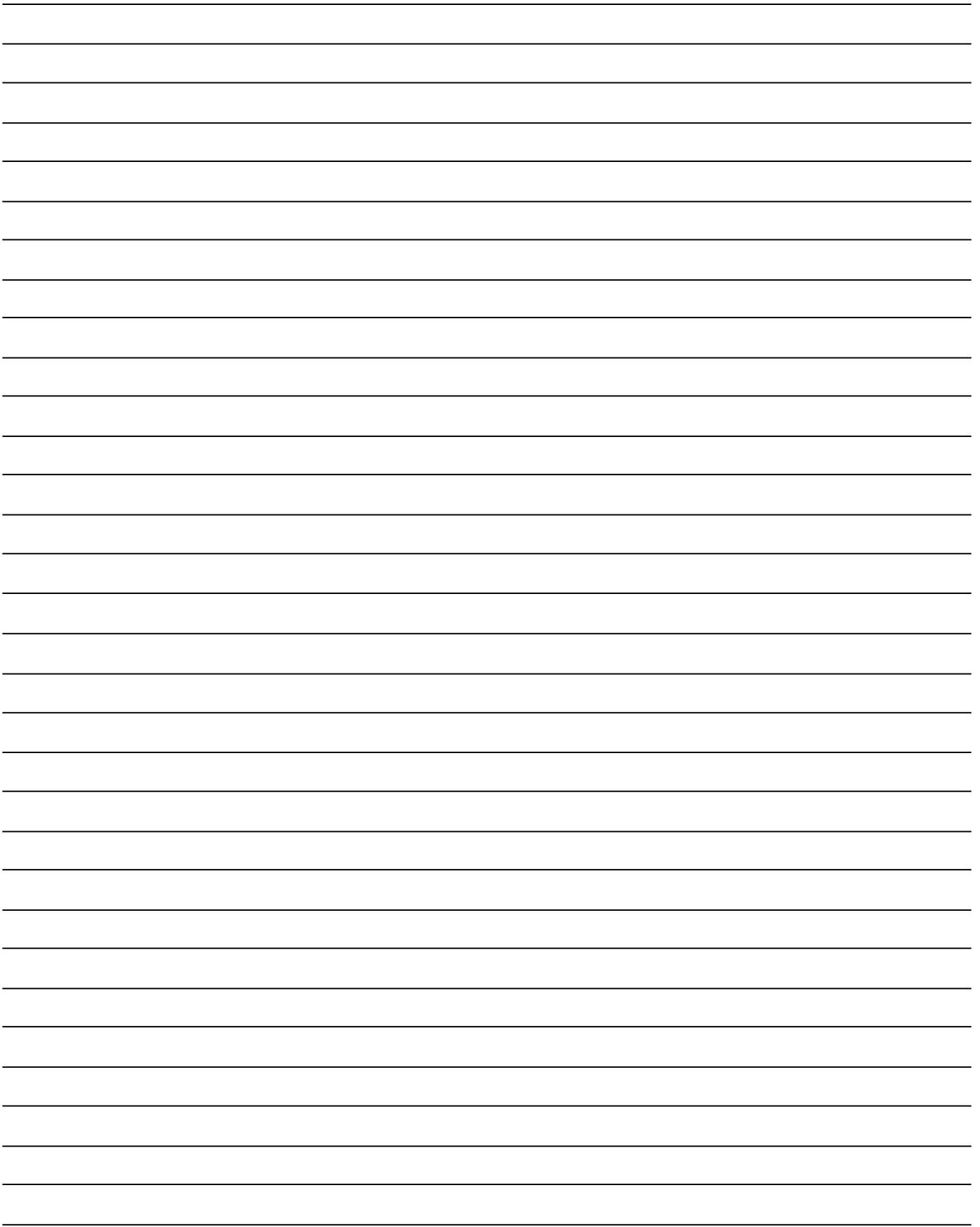
## Trip Expectations

Departing From	
Departure Date	Departure Time
Stopover 1	
Arrive No Later Than: Date	Arrive No Later Than: Time
Stopover 2	
Arrive No Later Than: Date	Arrive No Later Than: Time
Stopover 3	
Arrive No Later Than: Date	Arrive No Later Than: Time
Stopover 4	
Arrive No Later Than: Date	Arrive No Later Than: Time
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 and time listed above, call the Coast Guard or other local authority.

Coast Guard Phone Number
Local Authority Phone Number







**Part Number 1791344**

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