

# GRADY-WHITE BOATS

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P.O. Box 1527, Greenville, NC 27835-1527  
Greenville Blvd. NE, Greenville, NC 27834  
919/752-2111 FAX: 919/752-4217

Dear Grady-White Owner:

## **Welcome aboard!**

Buying and owning a boat is a very special experience. Of all the many products you'll ever own we want your Grady-White experience to be the absolute best. That means providing the descriptions, explanations and technical support that you need to enjoy your Grady-White with confidence and security.

Your Grady-White exceeds all US Coast Guard safety standards and is built to standards certified by the National Marine Manufacturers Association (NMMA). Best of all, your boat is built to Grady-White standards, standards that have served our owners through some truly extraordinary conditions since our first models built in 1958.

The seaworthiness and safety of your Grady-White is highly dependent on the operation, maintenance and care of your boat, so please read this manual thoroughly and keep it around for reference. If you need further explanation or "hands-on" help don't hesitate to ask the people at your Grady-White dealership; they have experience with the systems and operations of your boat. If for any reason you need additional help, please feel free to call us at the factory. We sincerely want to provide you with the help and information that will make your Grady-White experience delightful.

Thanks for choosing a Grady-White. All of us at the factory and at your dealership are dedicated to earning your confidence in Grady-White Boats. Again, welcome aboard.

Sincerely yours,

GRADY-WHITE BOATS, INC.



Kris Sheppard  
President

## **CONSUMER INFORMATION**

### **OWNER'S PACKET**

Your Grady-White has many features and accessories that have existing printed material provided by the various equipment manufacturers. This information is compiled in a package that we will reference throughout this manual as an "Owner's Packet." This Owner's Packet includes a Grady-White Owner's Manual and Engine Manual(s) to advise on operation, service, specifications, maintenance, warranty, and other useful facts. While reading your Grady-White manual, you will find other technical literature referenced as resources for detailed information. The Owner's Packet will also consist of operation guides, informative labels and product warranties you will need to be acquainted with. Your Owner's Packet can also be used to retain instructions and data compiled on additional equipment and accessories installed after delivery.

*YOU AND YOUR BOAT*, a book published by the National Marine Manufacturer's Association (NMMA), has been included with your Owner's Packet as a supplement. This publication will be referenced in your Grady-White Owner's Manual to present additional instructions and information on basic boating.

### **WARRANTY INFORMATION**

The Grady-White warranty is located on the last page of this manual. Upon the purchase of your new Grady-White Boat, the dealer will fill out a warranty card. This card will be kept on file at the dealership and at the Grady-White factory. A copy will be provided for your records and should be kept with other valuable documents for future reference. For questions regarding your warranty please contact your dealership.

### **DEALER'S RESPONSIBILITIES**

Throughout the fabricating and assembly processes your Grady-White has undergone a series of strict inspections. Subsequent to the final factory overview your dealer must perform additional pre-delivery checks and approve your Grady-White for delivery.

Dealer responsibilities include providing the following:

- An orientation of the general operation of your Grady-White.
- A warranty card to be completed and signed by the dealer and the customer. This warranty card is to be sent to Grady-White Boats to validate the warranty.
- An explanation of safety issues regarding the use of containment systems and components.
- A complete Owner's Packet containing literature and information regarding your Grady-White and its separate warranted product's operation, installation and maintenance instructions.
- A review of all warranties, pointing out the importance of mailing warranty and registration to various manufacturers within the required time limits.
- Guidance on acquiring local and out of area service during and out of warranty periods.

### **CONSUMER RESPONSIBILITIES**

The following are responsibilities of the Grady-White owner:

- Read and understand the express limited warranty.
- Study in detail all literature and instructions enclosed and use all equipment in accordance.
- Examine the boat and confirm all systems are working suitably at the time of accepting delivery.
- Render proper maintenance and periodic servicing of the boat in accordance with suggestions in the Owner's Manual.
- Return the boat, following 20 hours of operation, to the selling dealer for a 20 hour inspection.

Grady-White Boats has a permanent record of your boat, which is retained under its "Hull Identification Number" (HIN). Data regarding equipment and accessories, as well as dealer/shipping information is documented. When contacting your dealer concerning warranties or service, please have all relevant information such as serial numbers (HIN) and model number available. This information is on your copy of the warranty card.

The "Hull Identification Number" is located on the starboard side of the transom, and is a significant source of identification and must be noted in all correspondence and orders. Failure to include the HIN only creates delay.

## **HAZARD WARNING SYMBOLS**

The hazard warning symbols shown below are applied throughout this manual to alert the customer of potentially dangerous situations which can lead to death, personal injury and/or product damage. We urge you to observe these warnings and comply with all safety recommendations.

### **⚠ DANGER**

**THIS SYMBOL ALERTS YOU TO IMMEDIATE HAZARDS WHICH WILL CAUSE SEVERE PERSONAL INJURY OR DEATH IF THE WARNING IS IGNORED.**

### **⚠ WARNING**

**THIS SYMBOL ALERTS YOU TO HAZARDS OR UNSAFE PRACTICES WHICH COULD RESULT IN SEVERE PERSONAL INJURY OR DEATH IF THE WARNING IS IGNORED.**

### **⚠ CAUTION**

**THIS SYMBOL ALERTS YOU TO IMMEDIATE HAZARDS WHICH COULD RESULT IN MINOR PERSONAL INJURY, OR CAUSE PRODUCT OR PROPERTY DAMAGE IF THE WARNING IS IGNORED.**

### **NOTICE**

**THIS SYMBOL CALLS ATTENTION TO INSTALLATION, OPERATION OR MAINTENANCE INFORMATION WHICH IS IMPORTANT FOR PROPER OPERATION, BUT IS NOT HAZARD RELATED.**

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## CHAPTER ONE SAFETY

### REQUIRED SAFETY EQUIPMENT

The US Coast Guard (USCG) requires that every boat have specific equipment on board. Refer to the US Coast Guard publication CG-290 for more information on Coast Guard minimum standard of safety. Stipulations vary from State to State. Reference *You and Your Boat* for a better understanding of the following required safety equipment.

#### FIRE EXTINGUISHER

Boats should be equipped with a marine approved fire extinguisher.

#### PERSONAL FLOTATION

All passengers must have a USCG approved personal flotation device(PFD).

**Children and non-swimmers are advised to wear a PFD at all times.**

#### SOUND SIGNALING DEVICE (HORN, BELL OR WHISTLE)

Your Grady-White is equipped with a horn that meets USCG requirements.

#### VISUAL DISTRESS SIGNALS

USCG approved visual distress signals are required on U. S. waters.

#### LIGHTING

Your Grady-White is equipped with navigational lights that meet requirements for inland and international waters.

### ADDITIONAL RECOMMENDED EQUIPMENT

In addition to the required safety equipment there are additional items that will provide an extra margin of safety and convenience for you and your passengers while boating. For an extended list of basic gear, tools and spare parts reference the pamphlet *You and Your Boat* enclosed with this manual.

Keep tools and spare parts in good condition. Replace parts removed from spare parts kit. Most importantly use "US Coast Guard approved" or "marine certified" parts. Do not attempt repairs or maintenance you do not understand or have the proper tools to perform. Conditions found requiring corrective action should be worked on by your Grady-White dealer or other qualified repairman. If you are away from home contact your dealer for an authorized repair shop. Repairs should correspond with US Coast Guard specifications where applicable.

### REGISTRATION NUMBERS

Federal and State laws require a power boat to be registered in the State where it is primarily used. Registration numbers and validation stickers must be displayed according to regulations. The registration certificate must be on board when boating. The boat serial number, or Hull Identification Number (HIN), is required on the registration form. The HIN is located on the upper right hand corner of the transom and is the most important identifying factor. The HIN should be included on all documents and any correspondence to provide you timely service.

## SAFETY

### EMERGENCY STOP SWITCH

Some Grady-Whites are equipped with an emergency stop switch. This is a safety feature that, if used properly, will shut the engines down if the operator leaves or falls from the helm position. This ignition shutdown switch includes a shut-off switch, switch clip, lanyard and lanyard clip. The lanyard clip is attached to the operator. If a situation arises where the boat should stop, a pull on the cord to release the clip from the shut-off switch will shut down the engines. To reset the emergency stop switch simply reinstall the switch clip. The ultimate decision to use the emergency stop switch rests with the owner/driver.

### EMERGENCY INFORMATION

While boating unpleasant situations may develop. When emergency situations arise you should prepare yourself on how to cope with them whether they happen aboard your vessel or someone else's. Prearrange a plan for specific situations such as fire, man overboard or collision etc., to give you the confidence and ability necessary for an emergency. The key is to remain calm and don't panic. Reference the guidelines provided in *You and Your Boat* for emergency situations.

#### RENDERING ASSISTANCE

The owner or operator of a vessel is required by law to render all practical or necessary assistance to any person or vessel affected by collision, accident or casualty. **However, you should not endanger your vessel or passengers to render assistance.**

#### ACCIDENT REPORTING

Report all boating accidents to your local authorities. Federal regulations require boat operators that are involved in an accident to submit a written report within 48 hours. ***In the event of death or disappearance, notification is required immediately*** by phone or radio in addition to the written report. These reports can be submitted to the State Boating Law Administrator. Forms can be obtained through the USCG, local harbor patrol offices, sheriff and police stations.

#### LIGHTNING PRECAUTIONS

This awareness is included to ensure the safety of the owner and passengers. Always be mindful of the weather! When a lightning storm advances obvious safety precautions should be taken. Dock the boat and seek shelter on land. If this is not possible, seek refuge inside the boat until the storm has passed. Stay out of the water! Lightning will seek a ground when it strikes and may pass through metal components if it hits your boat. For this reason, avoid contact with metal parts of the boat under these conditions.

# SAFETY

## GENERAL BOATING SAFETY TIPS

Safety is an important aspect of boating. Your safety as well as the safety of your passengers and vessel are your responsibilities. The following precautions and the ones mentioned in *You and Your Boat* will add to you and your passengers' boating safety and pleasure.

- Before operating your Grady-White, **READ AND STUDY ALL OPERATION AND MAINTENANCE MANUALS**. It is important that you fully understand how to use your boat. If you have any questions contact your Grady-White dealer. Proper use and service will insure quality performance and longevity of your boat.
- A written float plan left with a RESPONSIBLE person can serve as valuable information if you have a mishap and do not return as scheduled. Upon returning, your primary responsibility is to notify the person of your return.
- **NEVER operate or allow anyone to operate your boat while under the influence of drugs or alcohol.**
- Instruct at least one passenger on the fundamentals of basic boating and safe operation in the event of an emergency.
- While boating, passengers should be settled in a safe position. Use handholds and rails for steadiness. Do not allow bow, transom or gunnel riding.
- Keep your boat speed under control. Respect for other boaters and those on shore is common courtesy. The operator of a boat is responsible for any injury or damage caused by the boat or the boat's wake (the wave the boat leaves behind). Your wake could swamp or damage a smaller craft and endanger its passengers. Stay alert to areas having signs posted **"No Wake Zones"**.
- Become familiar with the handling personality and limitations of your boat.
- **Never allow swimmers/skiers to enter or exit the boat with the engines running.** A shift lever in neutral could become engaged accidentally.
- Obtain information and a chart for new areas when possible.
- Clean water and air are responsibilities for all persons. Use litter containers on board and dispose of refuse properly. See discharge regulations in next section.
- **Individuals under the age of 16 should not be allowed to operate your boat. Inexperienced drivers should have constant and direct supervision.**
- Know and abide by the "Rules of the Road" in *You and Your Boat*. These rules will give you a better understanding of which vessel has the right of way.

## **SAFETY**

### **LOADING CAPACITY**

Though overloading is a primary cause of many boating accidents, improper loading is equally hazardous. Boaters should know the amount of weight on board and evenly distribute the weight.

Near the steering wheel you will find a metal Coast Guard Capacity Information Tag indicating the maximum weight and person capacity for your boat. This tag will also designate the maximum horsepower limit for an outboard. You and your passengers will be in jeopardy and your warranty void if any of these stipulations are exceeded.

The capacity plate indicates maximum load under normal conditions. The capacity plate does not release the operator from the accountability of rational judgment. Allow yourself an extra margin in rough waters and adverse conditions by reducing the boat's capacity. Be aware of weather conditions.

Example: F26 Tigercat  
Capacity Plate

**MAXIMUM CAPACITIES**  
**8 PERSONS OR 1200 LBS.**

**2660 POUNDS, PERSONS, MOTOR, GEAR**

**400 HORSEPOWER MOTOR**

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

**MANUFACTURER: GRADY WHITE BOATS GREENVILLE NC**

**MODEL: F26 TIGERCAT**

**DESIGN COMPLIANCE WITH NMMA REQUIREMENTS BELOW IS  
VERIFIED. MFG. RESPONSIBLE FOR PRODUCTION CONTROL**



**LOAD & HP CAPACITY • INT'L LIGHTS  
STEERING, FUEL AND ELECTRICAL SYSTEMS  
VENTILATION • BASIC FLOTATION  
MANEUVERABILITY**

**NATIONAL MARINE MANUFACTURERS ASSN.**



This label means that your Grady-White is certified by the NMMA (National Marine Manufacturers Association). With this tag you are assured that your fuel system, lighting, ventilation, steering, flotation, capacities and horsepower ratings are not only in compliance with the US Coast Guard regulations but meet the more stringent standards of the NMMA.

The NMMA is a national trade organization serving all elements of the recreational boating industry as well as manufacturers of boating equipment. With this tag you can have complete confidence in the safety of your Grady-White.

## SAFETY

### CARBON MONOXIDE

#### **DANGER**

**DO NOT INHALE EXHAUST FUMES! EXHAUST FUMES CONTAIN CARBON MONOXIDE, A DANGEROUS AND POTENTIALLY LETHAL GAS.**

Exhaust fumes contain carbon monoxide (CO), an odorless and colorless gas. Carbon monoxide is poisonous and a health hazard that can be fatal if breathed over an extended period of time. Symptoms of CO poisoning can include: dizziness, nausea, headache, sleepiness, vomiting, throbbing in temples, muscular twitching and the inability to think clearly. **If you or anyone else experience these symptoms immediately get away from fumes and into an area where plenty of FRESH air can be consumed. If any symptoms from above persist seek medical attention.**

Carbon Monoxide is the gas formed by the combination of one molecule of carbon and one molecule of oxygen. Chemists refer to it as CO, its chemical formula "C" for carbon and "O" for oxygen. Its weight is about the same as air so it cannot be expected to rise or fall like some other gases but will distribute itself throughout space.

**Carbon monoxide can accumulate in cabins and under canvas.** If your boat is equipped with canvas that encloses the aft cockpit and the propulsion equipment **do not** operate the boat with this canvas closed.

**The boat operator should be aware that CO is emitted from *any* boat's exhaust.** The operation, mooring and anchoring in an area containing other boats may be in an atmosphere containing carbon monoxide that is not of the operator's making. An operator, likewise, needs to be aware of the consequence of his actions on other boats. Of primary concern is the operation of an auxiliary generator with boats moored along side each other.

#### **WARNING**

**BE AWARE** of the significance your exhaust may have on other vessels. Likewise, **BE AWARE** that the operation of other vessel's equipment may influence the carbon monoxide concentration on *your* vessel.

#### **WARNING**

**When operating a center console or cuddy cabin at cruising speeds, slow speeds or dead in the water with canvas tops, side curtains and/or back curtains in place, be aware of engine exhaust to ensure that emissions do not accumulate in boat interior. Maintain proper ventilation by adjusting canvas enclosure.**

## **SAFETY**

### **SUGGESTED BOATING CLASSES AND READING MATERIAL**

Like a car, boats must be operated according to safety rules and traffic regulations. Although we include some basic boating tips in this manual, a thorough review of the safety rules and regulations for boating is beyond the scope of this text.

We support the work of the United States Coast Guard Auxiliary and the United States Power Squadrons. We urge you to exercise the opportunity to attend any instructional classes sponsored by these organizations. Reference the last page of *You and Your Boat* for different options on education and information on charts and maps. For further knowledge on boating we advise that you review the following publications:

#### *PILOTING, SEAMANSHIP AND SMALL BOAT HANDLING* (Chapman)\*

Motor Boating and Sailing  
Post Office Box 2319 -- F.D.R. Station  
New York, New York 10022

\*Available on CD ROM

#### *PLEASURE BOATING AND SEAMANSHIP*

US Coast Guard Auxiliary  
306 Wilson Road Oaklands  
Newark, Delaware 19711

#### *BOATMAN'S HANDBOOK*

by Tom Bottomly  
Motor Boating and Sailing  
Post Office Box 2319 -- F.D.R. Station  
New York, New York 10022

**FOR MORE INFORMATION ON BOATING SAFETY COURSES IN YOUR AREA, CALL  
BOATING EDUCATION HOTLINE 1-800-336-BOAT (2628),  
US COAST GUARD BOATING HOTLINE 1-800-368-5647 or  
CONTACT YOUR LOCAL COAST GUARD.**

## CHAPTER TWO GENERAL INFORMATION

### FUELING

#### WARNING

**Safety during fueling requires  
CAUTION and COMMON SENSE.**

Please study the following precautions carefully. Contact your dealer if you have questions. Check your engine manual to confirm the type of fuel specified by the manufacturer. Do not use gasoline containing alcohol. Alcohol in fuel will deteriorate the rubber material used to make up your fueling system.

If operating an outboard with an oil injection system, check the engine manual for the approved type of oil and fill the tank completely.

- Observe all safety regulations for the safe handling of fuel.
- Extinguish cigarettes and all other lighted materials.
- Before fueling shut down all engines.
- Before fueling close all ports, hatches, windows and engine compartments to prevent fumes from accumulating in closed areas.
- Before fueling turn battery select switch(es) to "OFF" to insure that all fans, lights etc. are off.
- Keep the fuel supply nozzle in contact with the fuel fill fitting to prevent any static sparks.
- After fueling secure the fuel cap and check fuel lines and connections for leakage. Wash and clean up any spilled fuel. Dispose of rags or sponges used for clean-up on shore. Do not store these clean-up rags in the boat!
- After fueling ventilate all ports, windows, hatches and other closed areas. Conduct a "sniff test" to make certain all fumes are vacant before using the battery select switch(es).

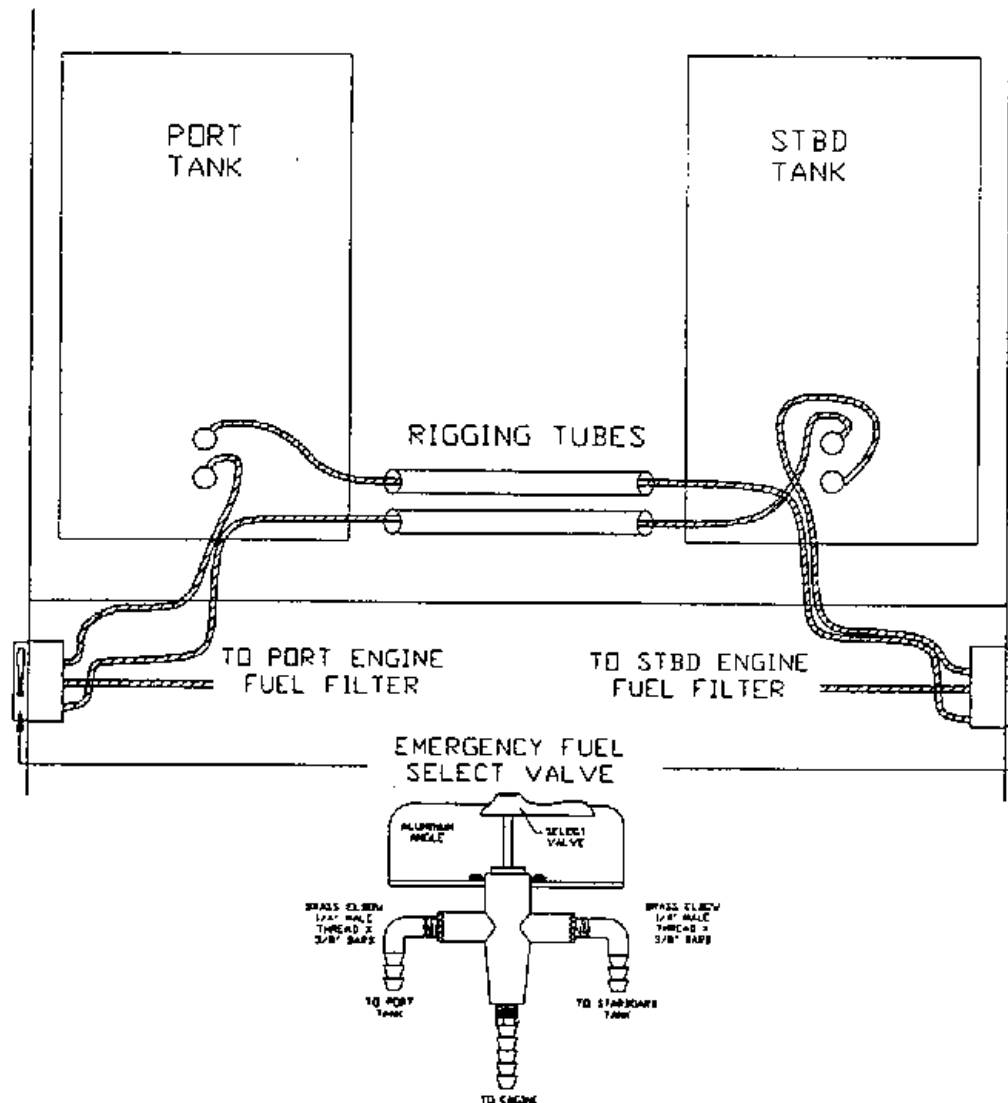
## GENERAL INFORMATION

### FUEL SELECT VALVE

The catamaran is equipped with emergency fuel selector valves. These valves allow you to operate either engine from either fuel tank in an emergency situation (example: the fuel in one tank becomes contaminated). Under normal conditions the starboard tank should supply fuel to the starboard engine and the port tank should supply fuel to the port engine. This procedure provides a relatively even distribution of the fuel load. If the emergency selector valves are utilized, the fuel weight may become unevenly distributed and performance and handling could be influenced. The boat can be operated safely under these conditions, but with the understanding that extra caution should be taken to compensate for the effects of the weight imbalance.

### CAUTION

**THE FUEL SELECT VALVE SHOULD BE USED  
IN EMERGENCY SITUATIONS ONLY.**





## GENERAL INFORMATION

### FUEL SYSTEM MAINTENANCE

If you are experiencing fuel flow problems there is a simple method to determine if the problem is in your fuel system or your engine. Connect a six gallon portable tank to your engine and operate the engine. If the problem persists the likely cause is with the engine itself. If the problem goes away the source must be in the boat's fuel system. One component that should be inspected if a restriction occurs is the anti-siphon valve. If fuel does not flow properly through this part it must be cleaned and/or replaced. DO NOT remove the anti-siphon valve and replace with a regular barb.

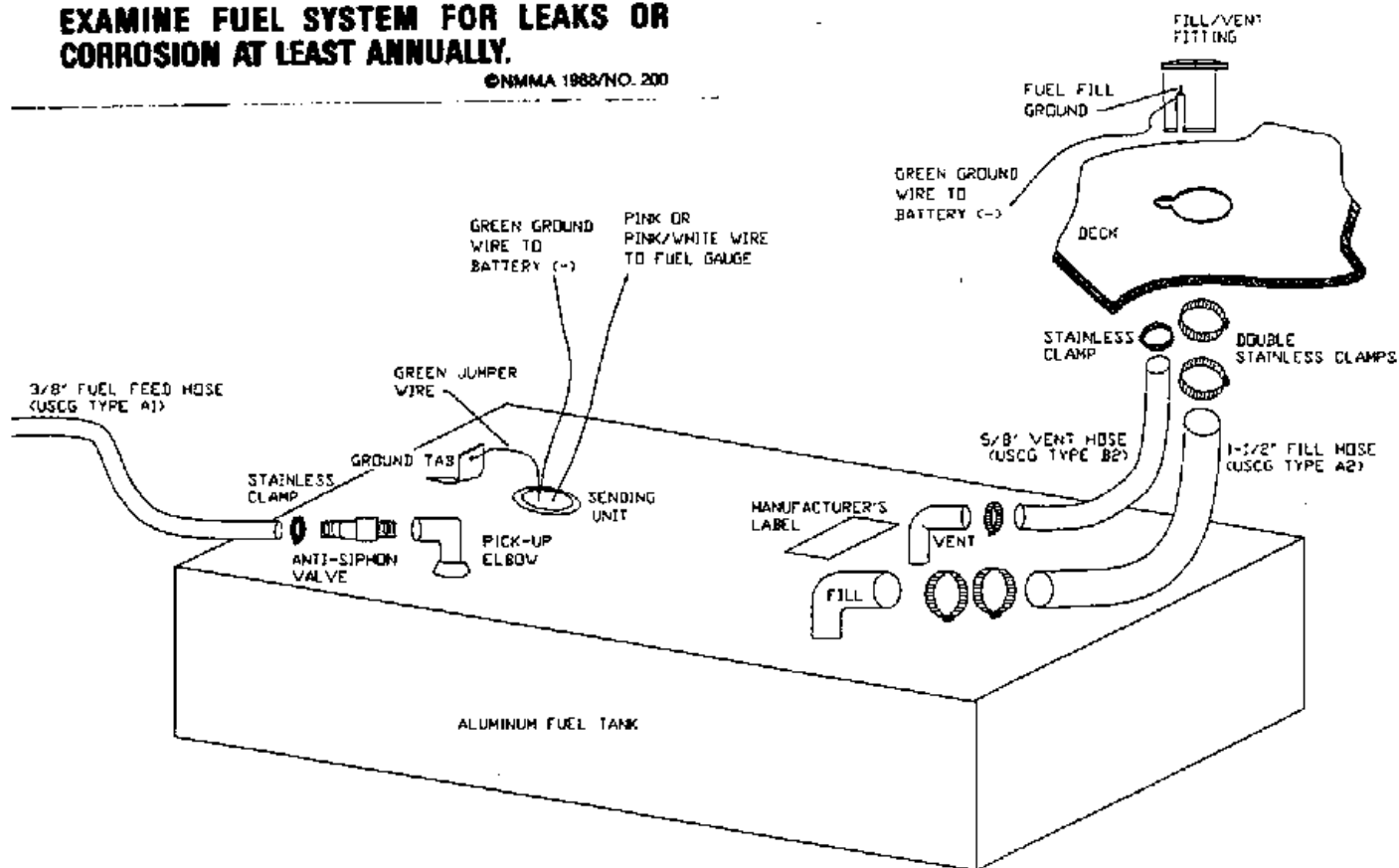


## WARNING



**LEAKING FUEL IS A FIRE AND EXPLOSION HAZARD. THE USE OF ALCOHOL MODIFIED FUELS CAN CAUSE DETERIORATION OF THE FUEL SYSTEM. INSPECT SYSTEM REGULARLY. EXAMINE FUEL SYSTEM FOR LEAKS OR CORROSION AT LEAST ANNUALLY.**

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Do not use fuels containing alcohol. Alcohol, particularly methanol, absorbs water which makes fuel more corrosive to the metals in tanks and carburetors.

After fueling inspect the fuel lines, connections and fuel tanks for tightness, signs of leaks and deterioration. Annually, conduct a more precise inspection of fuel system components especially those hidden from routine inspection. Replace any deteriorated hose, clamps, connections or fittings.

## GENERAL INFORMATION

### DISCHARGE REGULATIONS

The Federal Water Pollution Control Act prohibits the discharge of oil or hazardous substances which may be harmful into the US navigable waters. All crew and passengers should be made aware of the discharge restrictions.

### DISCHARGE OF OIL

The Federal Water Pollution Control Act prohibits the discharge of oil or oily waste into or upon the navigable waters and contiguous zones of the United States if either of the following occur: an oil discharge causes a film, sheen or discoloration upon the surface of the water; or if oil causes a sludge or emulsion beneath the surface of the water. Violators are subject to a penalty of \$5,000.

### DISPOSAL OF PLASTICS AND OTHER GARBAGE IN WATERS OF THE UNITED STATES




#### NOTICE

**It is illegal for any vessel to dump PLASTIC trash anywhere in the ocean or navigable waters of the United States.**

The MARPOL ANNEX V is the Act to prevent pollution from ships and other vessels. Federal regulations prohibit the discharge of plastic garbage anywhere in the marine environment. Plastic includes but is not limited to: synthetic fishing nets, ropes, lines, straws, six pack holders, styrofoam cups and lids, bottles, buckets and plastic bags. These regulations also restrict the disposal of other types of garbage within specified boundaries from shore. The following plaque will help you determine the specific distances offshore that certain garbage is permitted.

*It is illegal for any vessel to dump plastic trash anywhere in the ocean or navigable waters of the United States. Annex V of the MARPOL TREATY is an*

*International Law for a cleaner, safer marine environment. Violation of these requirements may result in civil penalty up to \$25,000, fine and imprisonment.\**

3 to 12 miles		12 to 25 miles	Outside 25 miles
			
<b>ILLEGAL TO DUMP</b>		<b>ILLEGAL TO DUMP</b>	<b>ILLEGAL TO DUMP</b>
Plastic		Plastic	Plastic
Dunnage, lining & packing materials that float, also if not ground to less than one inch:		Dunnage, lining & packing materials that float	
Paper		Paper	
Rags		Rags	
Glass		Glass	
Food		Food	
Metal			
Crockery			
Dunnage			

\*UP TO \$50,000 AND 5 YRS.

State and local regulations may further restrict the disposal of garbage.

## **GENERAL INFORMATION**

### **TRAILERING**

The adjustment and balance of your boat on the trailer determines how easily your boat may be transported. The tongue weight on the hitch ball should be 5-10% of the total weight of your boat, motor and trailer. Tail-heavy loads cause swaying while trailering. The rollers and/or bunkers of your trailer should be adjusted so that the weight is distributed evenly across the stern and forward throughout the keel sections. Your dealer may be reliable for adjustments to your trailer.

*You and Your Boat* covers trailering in detail and also provides the checks essential for safe trailering.

### **DRIVING**

Do not allow passengers to ride in the boat while trailering. Check brakes prior to leaving. Drive as smoothly as possible and try to avoid sudden jerks. Anticipate sudden stops. Road trips require occasional stops to make sure the trailer is still secured properly.

### **LAUNCHING**

Practice maneuvering the trailer. The trailer always backs in the opposite direction of the vehicle. To maneuver the trailer turn the steering wheel in the direction you want the trailer to go. Refer to launching in *You and Your Boat*. Prior to initial launch familiarize yourself with this manual and all aspects of your boat. At the launch site go through a pre-launch checklist. The list should be suited to your specific needs.

### **PRE-START CHECKLIST**

*You and Your Boat* covers the essentials for your checklist in the front titled BOATMAN'S CHECKLIST. When your predeparture checks have been completed you will be ready to leave the dock.

### **BOARDING/STOWAGE**

Reference *You and Your Boat* for information on how to board your boat and tips for stowage.

### **APPROACHING/LEAVING THE DOCK**

Unlike an automobile, the stern of your boat reacts first when turning. A turn to the right will swing the stern to the left and vice-versa. Remember that turning your boat away from an object, such as a dock, will tend to swing the stern toward that object. Catamarans have more maneuverability due to the engines being further apart. Docking procedures are covered in *You and Your Boat*.

## GENERAL INFORMATION

### TOWING OR BEING TOWED

In the event of a mishap or power loss you may need to tow a boat or be towed. You should not tow a boat larger than your own. Never tow a boat if you are not equipped with the proper lines. Nylon ropes are recommended due to the strength and elasticity they provide to absorb the shock of towing that may occur. Passengers should never grasp a towline, it should be secured to the boat.

Before towing a boat make a bridle and tie it securely to the pad eyes on the transom with enough slack to clear the engines. Pad the line wherever it comes in contact with the boat to prevent chafing. Attach a tow line to the bridle so that it may slide from side to side to prevent too much pressure on a single pad eye. The tow line should then be attached to the bow eye or a bridle on the towed boat. The tow line should be a minimum of twice the length of the towing boat, the longer the better. When passing a towline to the other boat do not try to run in too close. Send a light line or attach the towline to a life preserver to be collected. Be careful of the other boat's propeller. The towed boat should keep someone at the wheel to prevent the boat from swaying off course. Start the tow off slowly. A steady pull at a moderate speed should be used during tow. Watch the action of the towing boat. If too much slack develops in the towline and contact is imminent turn in either direction to avoid hitting the stern.

#### WARNING

**As a precaution passengers on both boats should stay clear of the towline, lines under stress could snap and fly in either direction causing injury.**

### SHALLOW WATER

Most boats that become grounded can be floated off with engines tilted to reduce the draft at the transom. Sometimes a rocking motion side to side will break the suction of mud from the keel. Disperse weight from the point the boat is grounded. Also reference *You and Your Boat*.

#### CAUTION

**Do not lower or start engines if the propeller is in mud or sand.  
Wait until the boat is refloated to avoid damage  
to the cooling system of your engine.**

When boating in water with tidal changes be mindful of water level fluctuations. If you are grounded on an incoming tide you can wait until the tide is high enough to refloat your boat. However, if you are grounded on an outgoing tide you should act quickly to refloat your boat. If this is not possible set an anchor to keep the boat from being driven farther aground. The anchor can be set to counteract the wind or current. The anchor can also be used to help pull the boat free. Many inland areas have rocks and stumps that could crack or puncture a fiberglass hull. Be familiar with the boating area. Caution should be taken in shallow water.

## GENERAL INFORMATION

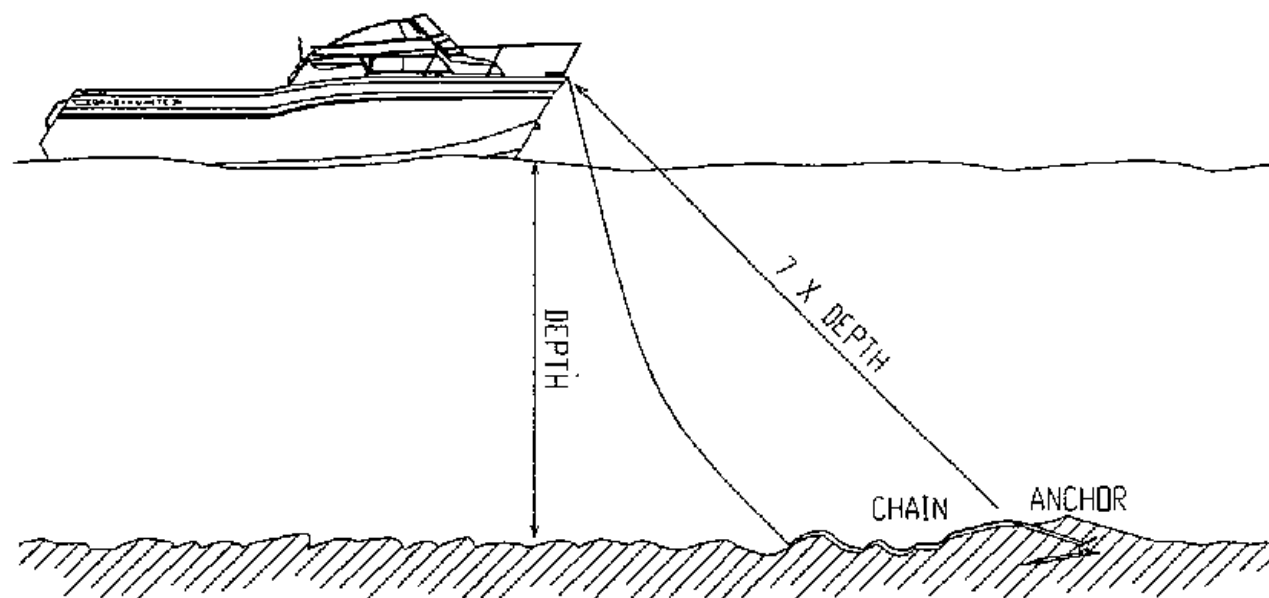
### ANCHORING

Some factors that determine the size and type of anchor most suitable for your boat include the size of your boat and the type of lake, sea or river bottom in your boating area. *You and Your Boat* provides a list of tips concerning anchoring.

A length of chain between the anchor and the length of anchor rode will help prevent the line from chaffing on rough obstacles and will also help hold anchor flukes down for more secure anchoring.

#### NOTICE

**It is illegal to tie your boat to navigational aids  
such as buoys and markers.**



To retrieve the anchor slowly drive the boat to the point directly above the anchor and pull upward on the anchor line until anchor is retrieved. If the anchor is difficult to break out, tie off the anchor line while directly over the anchor and slowly motor forward to "break" the anchor free.

#### WARNING

**Never anchor off the stern of the boat especially in strong winds or currents. The weight of the stern and flat surface to the seas can easily cause water to enter over the transom and swamp the boat.**

### WINDLASS

Anchoring can be less laborious if your boat has a windlass accessory. If your boat is equipped with a windlass reference your windlass Operation Manual for instructions.

## **GENERAL INFORMATION**

### **GENERAL INFORMATION ON BOAT HANDLING**

The best method of learning to handle your Grady-White boat and obtaining the best performance from your boat is practice and experimentation. After several hours of operation experiment with the throttle settings to discover the setting that will be the most comfortable and economical range for your particular load conditions.

We suggest that you make a speed and RPM chart to obtain the most economical operation. Operate the boat at various speeds and check the fuel consumption. Compute the amount of operating time remaining when the fuel gauge drops into the red band. Make a log of this type of information and have it available when operating your boat.

Further statistics you may want to determine could include the following:

- Minimum speed for effective steering.
- Turning radius at different speeds.
- Response to steering at low speeds.
- Accelerating and deceleration rates.
- Time and distance to bring the boat to a stop at different speeds.
- Control of the boat using both engines in close quarters.

Also read the section in *You and Your Boat* for information on safe operating speed.

### **TWIN ENGINE BOATS**

Twin engines boats have superior maneuverability than single engine boats. However, catamarans have an even greater degree of maneuverability than monohull boats by virtue of their twin engines being further apart. The boat will run forward or backward in a straight line when both engines are working together at the same speed. When backing the engines can be used to steer to port as well as starboard.

Moving ahead on one engine will cause the bow to swing away from the running engine side and to move forward at the same time. Backing up with one engine will cause the bow to swing toward the running engine side and the boat to move backward.

Running one engine ahead and one engine astern will cause the boat to turn end-for-end in little more than its own length.

Running both engines in the same direction at different speeds will cause the boat to move in the direction dictated by the faster engine but its influence will be modified by the slower engine.

# GENERAL INFORMATION

## COMMONLY USED NAUTICAL TERMS

**ABEAM-** A line perpendicular to a boat's keel.

**ACCESS PLATE-** A removable, watertight cover that provides quick entry to enclosed areas for maintenance or visual aid.

**AFT-** Toward the rear or transom of the boat.

**BEAM-** The greatest width of a boat.

**BILGE-** The lower interior area of the hull.

**BOW-** The fore part of a boat.

**BOW EYE-** A U-shaped hull fitting used to attach the trailer.

**BULKHEAD-** Vertical partition in a boat.

**CHINE-** Meeting juncture of topside and bottom of boat.

**CLEAT-** Deck fitting with arms or horns on which lines are fastened.

**DECK-** Upper structure which covers the hull.

**DRAFT-** Depth of water required to float a boat.

**FATHOM-** A depth measurement equal to six feet.

**FREEBOARD-** Height of topside from waterline to the deck.

**GUNWALE (GUNNEL)-** Meeting juncture of hull and deck.

**HATCH-** An opening in the deck to provide access below.

**HEAD-** A toilet or a toilet area in a boat.

**HEADROOM-** Vertical distance between the deck and cabin or canopy top.

**HULL-** The basic part of the boat; a watertight vessel that provides buoyancy to float the weight of the craft and its load.

**KEEL-** The major longitudinal member of a hull - the lowest external portion of a boat.

**KNOT-** Unit of speed in nautical miles per hour.

**LEE-** The side that is sheltered from the wind.

**LIST-** The tilt or lean to one side.

**PORT-** A term designating the left side of the boat when facing forward.

**SCUPPER-** Holes permitting water to drain overboard from deck or cockpit.

**SHEER-** Curve or sweep of the deck as viewed from the side.

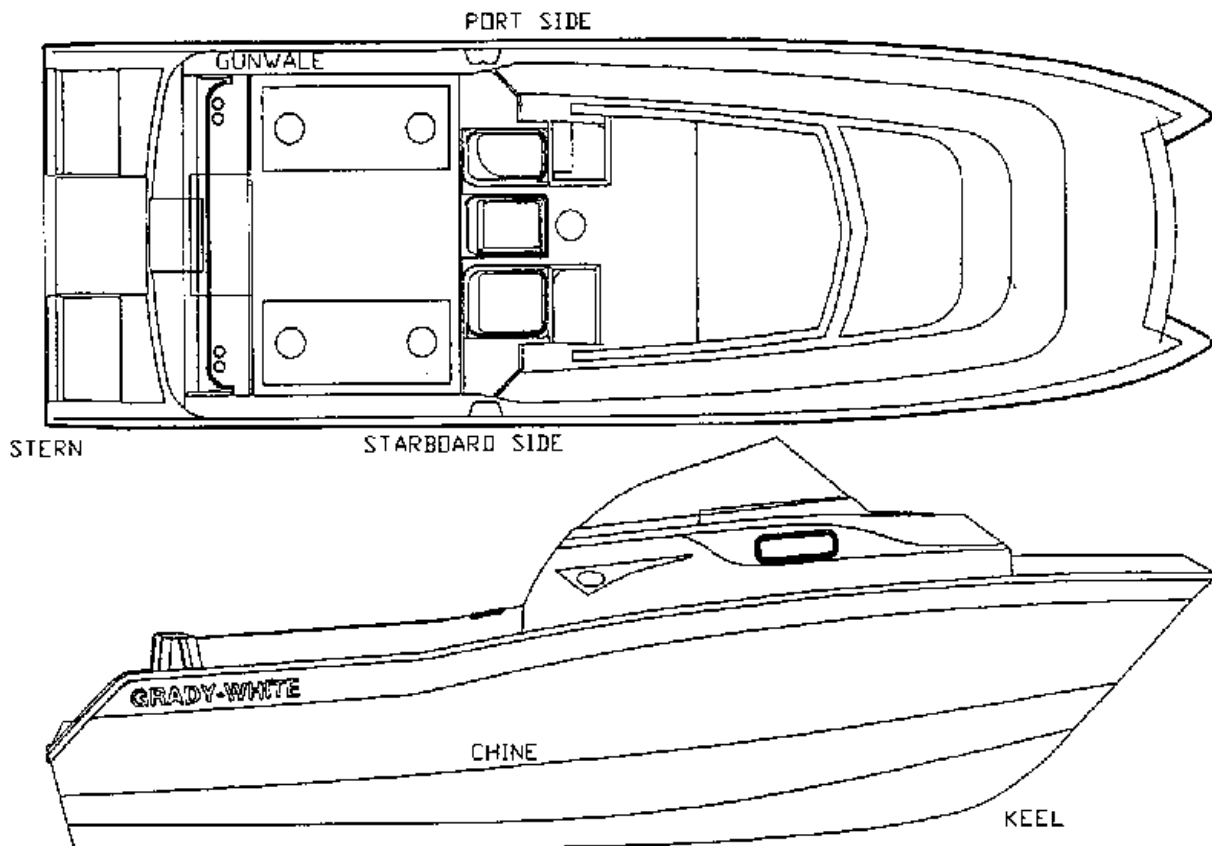
**STARBOARD-** A term designating the right side of the boat when facing forward.

**STERN-** The rear/transom area of the boat.

**STRINGER-** Longitudinal members fastened inside the hull for additional structural strength.

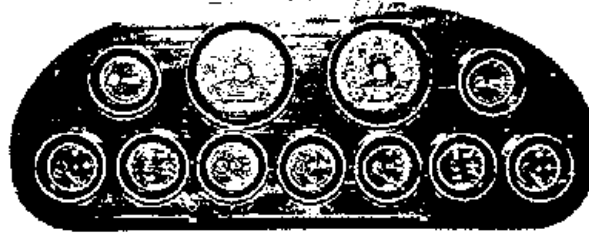
**WAKE-** The wave or path left in the water by a moving boat.

**WINDWARD-** Toward the direction from which the wind is blowing (against the wind).



## **CHAPTER THREE GAUGES AND SWITCHES**

### **MERCURY AND OMC ENGINE INSTRUMENTATION**



#### **FUEL GAUGE**

The fuel gauge indicates the fuel level. When reading this gauge remember two things: (1) the accuracy of your gauge varies with the attitude of your boat in the water (trim or list) and (2) the fuel pickup tube inside the gas tank is not capable of withdrawing all of the fuel from the tank. For these reasons never operate your boat at extremely low fuel levels.

#### **OIL QUANTITY GAUGE**

OMC and Mercury pre-rigs are equipped with an oil quantity gauge that indicates the oil level in the tank.

#### **TACHOMETER GAUGE**

The tachometer indicates engine revolutions per minute (RPMs). Consult your engine Owner's Manual for recommended operating RPM ranges.

#### **TRIM GAUGE**

The trim gauge indicates the angle of thrust of the lower unit of the engines.

#### **VOLTMETER**

The voltmeter indicates the battery charge with the engines off and the charging system output with the engine running. A reading of 12 or 13 volts with the engine off is normal indicating a fully-charged battery. Readings below 11 indicate a weak battery which may not start the engine(s). A reading of 13 to 15 volts when the engine is running is normal. Readings over 15 volts may indicate regulator problems. Low or fluctuating readings may indicate loose connections or trouble in the regulator and alternator circuit.

#### **WATER PRESSURE GAUGE (OMC RIG ONLY)**

The water pressure gauge indicates the water pressure in the engine cooling system. Readings help determine if water pressure is too low for adequate cooling.



## **GAUGES AND SWITCHES**

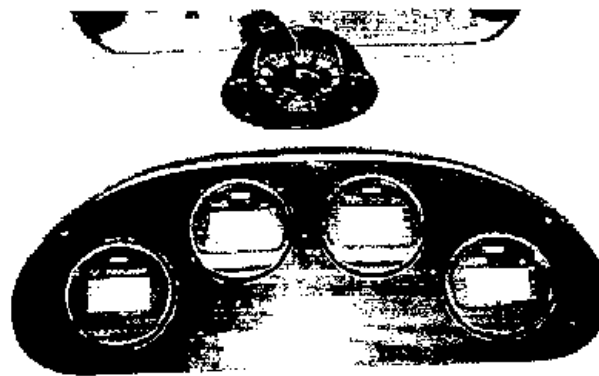
### **WATER TEMPERATURE GAUGE (MERCURY RIG ONLY)**

This gauge indicates the temperature of the cooling water circulating through the engine. At the time temperature exceeds the recommended operating range for your engine promptly shut off your engine to prevent damage. Overheating is often caused by obstruction of your engine's water intake on the lower unit. Check the water intake first if you experience trouble.

### **WATER TEMPERATURE, OIL LEVEL AND FUEL SYSTEM WARNING BUZZER**

Your Grady-White has a factory installed warning buzzer located behind the dash. The purpose of the buzzer is to alert the driver to potentially damaging engine operation conditions. Consult the engine Owner's Manual for details on the monitored systems and the action to take if the buzzer sounds.

## **YAMAHA ENGINE INSTRUMENTATION**



### **DIGITAL SPEEDOMETER**

#### **BATTERY VOLTAGE INDICATOR**

This feature indicates the battery charge when the engines are off and indicates the alternator output when the engines are running. A reading of 12 or 13 volts is normal indicating a fully-charged battery. Readings below 11 indicate a weak battery which may not start the engines. A reading of 13 to 15 volts when the engine is running is normal. Readings over 15 volts may indicate regulator problems. Low or fluctuating readings may indicate loose connections or trouble in the regulator and alternator circuit.

#### **CLOCK**

This feature is battery powered and may need to be reset if the battery select switch is turned to the "off" position.

#### **FUEL METER**

This feature indicates fuel levels in the gas tanks. When reading this gauge remember two things: (1) the accuracy of your gauge varies with the attitude of your boat in the water (trim or list) and (2) the fuel pickup tube inside the gas tank is not capable of withdrawing all of the fuel from the tank. For these reasons never operate your boat at extremely low fuel levels.

## **GAUGES AND SWITCHES**

### **LOW FUEL WARNING INDICATOR**

This feature indicates when the fuel level in the main fuel tank is becoming low.

### **OVERHEAT WARNING INDICATOR**

This feature indicates when the temperature of the cooling water circulating through the engine is too high. When the temperature exceeds the recommended operating range indicated by your engine Owner's Manual immediately shut off your engine to prevent damage. Overheating is often caused by obstruction of your engine's intake on the lower unit. Check the water intake first if you experience trouble.

### **SPEEDOMETER**

This feature indicates boat speed in miles per hour, knots per hour or nautical miles per hour.

### **TRIP METER**

This feature indicates the distance traveled since the meter was last set.

## **DIGITAL TACHOMETER**

### **OIL LEVEL WARNING LIGHT**

Refer to your engine Owner's Manual for information regarding oil level and warning light.

### **REVOLUTIONS PER MINUTE (RPM)**

Consult your engine Owner's Manual for the recommended operating RPM range.

### **TRIM**

This feature indicates the angle of thrust of the lower unit of the engine.

## **DIGITAL FUEL MANAGEMENT GAUGE**

### **ECONOMIZER**

The economizer feature gives readings in gallons per hour and miles per gallon.

### **SYNCHRONIZER**

The synchronizer tells the operator when the engines are running at the same RPMs.

### **TOTALIZER**

This feature displays the amount of fuel consumed since it was last set. Reset the totalizer by pressing the SET and MODE buttons together.

The digital fuel meter can display information for the port side only, the starboard side only and then a total consumption. For more detailed information refer to the engine Owner's Manual.

## **GAUGES AND SWITCHES**

### **SWITCH PANEL**

At the helm station you will find an accessory switch panel. These accessory switches are specified below.



#### **BILGE PUMP**

This two-way switch serves as an overriding manual switch in the event of failure of the automatic switch in the bilge.

#### **COCKPIT LIGHTS**

The cockpit lights provide illumination for the cockpit area.

#### **FUEL**

This two-position switch (STBD-PORT) gives you separate quantity readings for each tank.

#### **HORN**

The horn meets the requirements of the United States Coast Guard's emergency sound signaling device.

#### **LIVEWELL**

This switch activates the livewell. Reference the Livewell section in Chapter Seven of this manual under Operation Of Standard Features for more information.

#### **WASHDOWN**

This switch pressurizes the washdown system. Reference the Washdown Operation section in Chapter Seven of this manual for further information.

#### **NAVIGATIONAL/ANCHOR LIGHTS**

Your boat is equipped with lights that meet international lighting regulations. A three position switch (NAV-OFF-ANC) converts the lighting configuration to running or anchor lights. Note that this switch also operates the gauge lights.

#### **WIPERS**

This switch activates the windshield wipers.

#### **ACCESSORY**

Switches, fuses and breakers labeled "ACC" are unused. These components are provided for the addition of non-factory installed accessories.

**Switch identification labels are available from  
your dealer for non-factory installed options.**

# GAUGES AND SWITCHES

## LIGHT BULB REPLACEMENT GUIDE

The following chart provides identification of replacement light bulbs for your Grady-White. All of the lights shown may not be used on every model boat. If you have difficulty finding replacement bulbs under the part numbers listed contact your Grady-White dealer for further assistance. Always use the specified replacement bulb. Improper substitution may result in electrical malfunction, insufficient lighting, boat damage or personal injury.



30" MASTTOP MAST LIGHT  
LIGHT MANF.: PERKO  
REPLACEMENT BULB #: PERKO 71 DP CLR



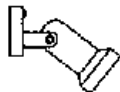
INTERIOR CABIN LIGHT  
LIGHT MANF.: RAMCO  
REPLACEMENT BULB #: RAMCO 286 OR  
GE OR SYLVANIA OR PHILLIPS 64



COCKPIT LIGHT  
LIGHT MANF.: ATTWOOD  
REPLACEMENT BULB #: ATTWOOD 490



STERN POLE LIGHT  
LIGHT MANF.: PERKO  
REPLACEMENT BULB #: PERKO 337-012 DP



READING LIGHT FOR CABIN  
LIGHT MANF.: GEM  
REPLACEMENT BULB #: GEM 1801 21CP OR  
GE/SYLVANIA 11142



TOP MOUNT LIGHT (WINDSHIELD)  
LIGHT MANF.: PERKO  
REPLACEMENT BULB #: PERKO 71 DP CLR



COMBINATION BOWLIGHT  
LIGHT MANF.: PERKO  
REPLACEMENT BULB #: PERKO 71 DP CLR



DOMELIGHT  
LIGHT MANF.: PERKO  
REPLACEMENT BULB #: PERKO 337-012 DP



SEPARATE SIDE BOWLIGHTS  
LIGHT MANF.: PERKO  
REPLACEMENT BULB #: PERKO 71 DP CLR



NIGHT VISION DOMELIGHT  
LIGHT MANF.: GUEST  
REPLACEMENT BULB #: GUEST P-15W50 OR GE 912

The following are Registered Trademarks: Perko, Attwood, Gem, Ramco, Guest, GE, Sylvania and Phillips.

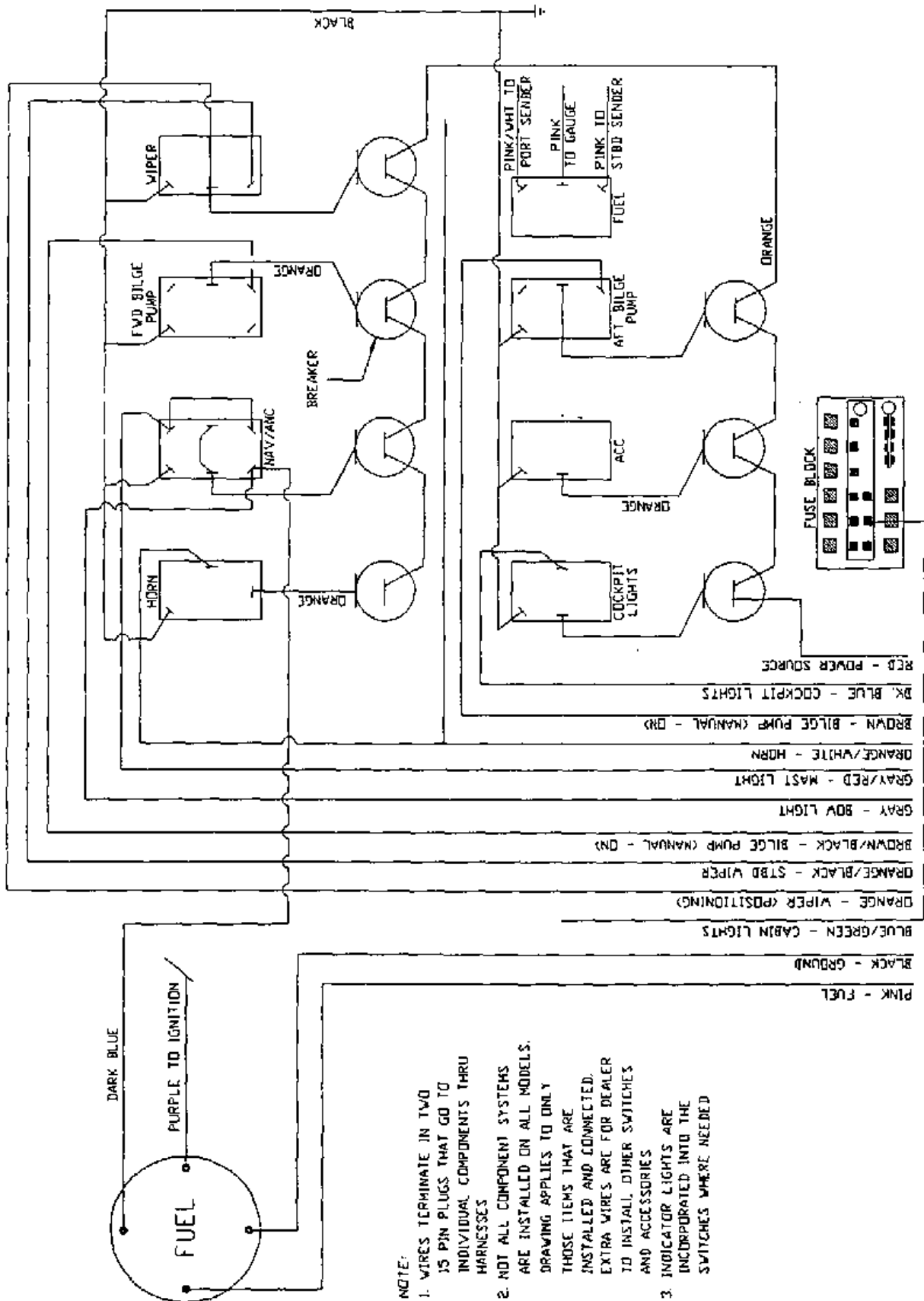
# GAUGES AND SWITCHES

## ACCESSORY WIRING COLOR CODES AND FUSE/BREAKER SIZES

ACCESSORY	WIRE SIZE AND COLOR	AMPERAGE	LOCATION
<b>LIGHTS</b>			
BOW LIGHT	16 GA. GRAY	15.0	ACCESSORY PANEL
AFT POLE LIGHT	16 GA GRAY/WHITE	15.0	ACCESSORY PANEL
MAST LIGHT	16 GA GRAY RED	15.0	ACCESSORY PANEL
PANEL LIGHTS	16 GA DARK BLUE	15.0	ACCESSORY PANEL
CABIN LIGHTS	16 GA DARK BLUE/GREEN	10.0	FUSE BLOCK
COCKPIT LIGHTS	16 GA DARK BLUE	10.0	ACCESSORY PANEL
SPREADER LIGHTS	14 GA DARK BLUE/WHITE	10.0	ACCESSORY PANEL
<b>PUMPS</b>			
SHOWER SUMP PUMP (FLOAT SWITCH)	16 GA BROWN/ORANGE	4.0	FUSE BLOCK
WATER PRESSURE PUMP	12 GA ORANGE/BLUE	5.0	ACCESSORY PANEL
WATER PRESS. PUMP W/HOT WATER OPTION	12 GA ORANGE/BLUE	15.0	ACCESSORY PANEL
WASHDOWN PUMP	12 GA ORANGE/BROWN	15.0	ACCESSORY PANEL
LIVEWELL PUMP	16 GA ORANGE/BROWN	3.0	ACCESSORY PANEL
IN-LINE MACERATOR PUMP	12 GA ORANGE/GRAY	20.0	ACCESSORY PANEL
<b>BILGE PUMPS:</b>			
RULE 1100 (Stbd Aft)	16 GA BROWN	7.5	ACCESSORY PANEL
RULE 1100 (Port Aft)	16 GA BROWN/GREEN	7.5	ACCESSORY PANEL
RULE 500 (Stbd Fwd)	16 GA BROWN	3.0	ACCESSORY PANEL
RULE 500 (Port Fwd)	16 GA BROWN/BLACK	3.0	ACCESSORY PANEL
<b>FLOAT SWITCHES:</b>			
AUTO FLOAT SWITCH (Stbd Aft)	16 GA BROWN/WHITE	7.5	IN LINE NEAR BATTERY
AUTO FLOAT SWITCH (Port Aft)	16 GA BROWN/GRAY	7.5	IN LINE NEAR BATTERY
AUTO FLOAT SWITCH (Stbd Fwd)	16 GA BROWN/RED	3.0	IN LINE NEAR BATTERY
AUTO FLOAT SWITCH (Port Fwd)	16 GA BROWN/PINK	3.0	IN LINE NEAR BATTERY
<b>MISCELLANEOUS</b>			
HORN	12 GA ORANGE/WHITE	15.0	ACCESSORY PANEL
<b>WINDSHIELD WIPER (ACTUATOR):</b>			
PORT	16 GA ORANGE/GREEN	5.0	ACCESSORY PANEL
STARBOARD	16 GA ORANGE/BLACK	5.0	ACCESSORY PANEL
WINDSHIELD WIPER (POSITION)	16 GA ORANGE		
ACCESSORY PANEL JUMPERS	10 GA ORANGE		ACCESSORY PANEL
ACCESSORY PANEL POWER LEAD	6 GA RED	40.0	NEAR BATTERY
ACCESSORY GROUNDS	16 GA BLACK	N/A	
ACCESSORY GROUNDS MAINS	10 GA BLACK	N/A	
VHF (HARDTOP RADIO BOX) POWER LEAD	10 GA RED/WHITE	20.0	IN LINE NEAR BATTERY
VHF GROUND	10 GA BLACK/WHITE	N/A	
MEMORY WIRE	16 GA RED/PINK	10.0	IN LINE NEAR BATTERY
HYDRAULIC TRIM TABS	16 GA HARNESS	20.0	FUSE BLOCK
MAIN FUEL TANK (SENDER)	16 GA PINK	N/A	ACCESSORY PANEL
AUXILIARY FUEL TANK (SENDER)	16 GA PINK/WHITE	N/A	ACCESSORY PANEL
FUEL GROUNDS	16 GA GREEN	N/A	
OIL SENDER (STBD)	16 GA LT BLUE	N/A	
OIL SENDER (PORT)	16 GA LT BLUE/WHITE	N/A	

# GAUGES AND SWITCHES

## TYPICAL OUTBOARD SWITCH PANEL WIRING



## **CHAPTER FOUR PERFORMANCE**

### **PERFORMANCE FACTORS**

Maximum performance is dependent on many factors and cannot be guaranteed. These factors will vary with changing conditions. Some of these factors are listed below. Reference the trouble shooting guide in *You and Your Boat* for additional suggestions on adjusting performance.

#### **ENGINE EFFICIENCY**

Assuming your boat is equipped with the correct engines, the engines are properly tuned and the drive systems are in good condition, the engines will operate most efficiently at the RPM stated in the engine manuals. Efficiency will decrease if normal care and maintenance are not performed. If engines are neglected power and speed will diminish. In addition, expensive repairs may become necessary. Be sure to follow all instructions in the engines' Operation Manuals.

#### **WEATHER CONDITIONS**

Weather conditions will influence engine performance. Barometric pressure and humidity affect horsepower. A change of weather could cause up to a 10% loss of horsepower on some hot days.

#### **LOAD DISTRIBUTION**

A decrease in performance will be noted when gear, equipment, passengers and fuel are added. This extra load will affect the performance of your boat according to the distribution of the weight. Another type of extra load that can affect performance is the accumulation of water in the bilge. Keep the bilge dry to eliminate this problem.

#### **MARINE GROWTH**

Maximum performance is only obtained when your hull bottom is clean. Marine growth on the bottom of the boat will increase resistance and decrease speed. These conditions will also increase fuel consumption.

### **PROPELLER**

The condition of the prop has a major influence on the performance of your boat. The engine should be equipped with the best size prop for normal conditions. Unusual uses or weight conditions may require special props. A damaged prop can affect your boat's top speed, cause vibrations, create a sudden drop in RPMs and increase fuel consumption. More information about props, including the topics of ventilation and cavitation, can be found in *You and Your Boat*.

#### **CAUTION**

**Stay within the engine manufacturer's maximum and minimum RPM ranges when replacing propellers. This information is covered in your engine manual. If your boat does not have a tachometer consult your dealer for propeller changes.**

## PERFORMANCE

### TRIM

Most outboard models are equipped with power tilt and trim mechanisms. The purpose of power tilt is to raise the engine for launching, loading or trailering your boat. Power trim may be used to adjust the boat's planing performance and running attitude. Power trim is covered in detail in *You and Your Boat*.

## PROPULSION SYSTEM

### OUTBOARD

Information concerning the outboard engine(s) is located in the Operation and Maintenance Manuals supplied by the engine manufacturer. Details of important engine functions such as the lubrication system, cooling system and alarm/monitoring system are outlined in these manuals. Your familiarization with this engine reference material will result in the proper usage and service that is essential for safe and enduring engine performance. These manuals are included with the Owner's Packet.

#### **⚠ DANGER**

**DO NOT INHALE EXHAUST FUMES! EXHAUST CONTAINS CARBON MONOXIDE, A GAS THAT IS DANGEROUS AND POTENTIALLY LETHAL.**

#### **⚠ WARNING**

**Do not attempt to service any engine or drive component without being totally familiar with the safe and proper service procedures.  
Certain moving parts are exposed and can be dangerous.**

#### **⚠ CAUTION**

**Do not paint the outboard motors with anti-fouling paints designed for boat hulls. Many of these paints can cause severe damage to the engines.**

### ENGINE WARRANTY

A warranty registration card is included with all engine manuals and should be completed and returned to the engine manufacturer as soon as possible.



## PERFORMANCE

### THROTTLE/SHIFT CONTROL

The throttle/shift controls, located at the helm, control the flow of fuel to the engines and act as gear shift levers to control the forward and aft thrust of the propellers.

The middle position of the throttle control is usually the neutral position. Move the control forward to engage the shifting mechanism which creates a forward thrust of the propeller. Advance the forward movement to increase the fuel flow to the engine and boost the forward lunge.

Move the control lever aft of the neutral position to reverse the shift mechanism and create a reverse thrust of the propeller. Increase the aft movement to increase the reverse thrust. Remember that propellers are designed for maximum forward thrust so reverse thrust will not be as efficient.

All controls have a neutral safety mechanism. This mechanism will not allow the engine to start when the control is in gear. To increase the flow of fuel to the engine while remaining in the neutral position use the neutral warm up feature built into the control.

To stop a boat that is moving forward you may reverse the shift mechanism. This change in direction will provide a "braking action," slowing the boat.

#### CAUTION

**BRAKING ACTION CAUSES A WAKE WHICH MAY RISE ABOVE THE TRANSOM  
AND FLOOD THE BOAT IF THE BOAT IS MOVING TOO FAST.  
ALLOW ENGINE RPMs TO DECREASE BEFORE SHIFTING INTO REVERSE.**

Reference *You and Your Boat* for maintenance. If your throttle or shift cables need replacing use the same style and length as the original equipment.

## **PERFORMANCE**

### **STEERING**

Most outboard engines are equipped with an adjustable rudder trim tab. This trim tab should be adjusted to balance the steering at the speed which you travel most frequently. Variations in speed, boat load or changes in engine trim will cause the steering to pull in one direction. If the boat pulls to the left adjust the trim tab to the left and vice-versa.

#### **HYDRAULIC STEERING**

Hydraulic steering systems (not to be confused with power steering) require regular preventative maintenance for continued safe and reliable operation. The oil level in the helm pump must be maintained within acceptable operating levels. A low oil level will cause air to be introduced into the steering system and result in unresponsive steering. The oil level should always be within 1/2 inch from the base of the fill hole, located on the front top portion of the helm pump. Check the entire steering system regularly for oil leaks. Unobserved leaks over a period of time will result in unresponsive steering or loss of steering.

All moving mechanical linkages, sliders, etc. must be greased as needed with a high quality marine grease. Refer to the steering manual for specific recommendations and additional maintenance requirements.

Any change in the "feel" of your steering system indicates an immediate need for a thorough inspection. All repairs and replacements to steering systems should be made by a qualified marine technician.

#### **TILT STEERING**

Tilt steering is available as an optional feature. This feature enables the operator to tilt the wheel up or down. Refer to the steering system's manual for information on oil levels with hydraulic tilt steering.

#### **STEERING ALIGNMENT**

Steering alignment is very crucial in the performance and safe operation of your boat. The catamaran utilizes a cylinder alignment valve to synchronize the movement of the outboard engines. This valve is located on the aft main bulkhead in the starboard rigging compartment. It is accessible through the aft cockpit door on the starboard side. Instructions for realigning the engines and bleeding the steering system are located in the steering manufacturer's literature in the "Owners Packet".

## **CHAPTER FIVE MAINTENANCE AND SERVICE**

### **GENERAL**

The amount of maintenance required to keep your boat operating properly and to maintain the appearance is dependent on how the boat is used, amount of usage, salt or fresh water, geographic location, etc..

Your hull and deck are constructed by the "hand lay-up method" using the highest quality fiberglass mat and woven roving. This method of construction ensures a proper fiberglass-to-resin ratio and a uniform thickness which together result in a much stronger boat than those constructed of "chopped glass". This is an expensive process but ensures that your Grady-White is the strongest most durable fiberglass boat possible.

Keep the bilge areas clean and dry. Leaks found early and corrected will less likely cause damage. Do not allow grease, grime and dirt to build up.

Proper maintenance of your boat is not only a source of pride .... It is the key to maintaining your boat's value. A few simple steps will keep your fiberglass Grady-White looking showroom bright for years.

### **EXTERIOR FIBERGLASS FINISH**

The exterior finish of your Grady-White is a thin layer of resin with a finished color pigment called gelcoat. This is used for cosmetic purposes and makes routine maintenance relatively simple. Although gelcoat has a hard smooth surface it does contain microscopic pores that will allow surface discoloration if not kept clean.

#### **MAINTENANCE**

Normal exterior finish maintenance of your boat is similar to the care you would give your automobile. Do not use harsh alkaline cleaners or ammonia based cleaners as these agents may darken the gelcoat. Most stains are a chemical reaction and can be removed with a rubbing compound followed by waxing.

#### **CLEANING**

The best way to prevent discoloration and soil build-up is to hose the boat with fresh water after each outing or on a regular basis. This build-up is the result of use and environmental pollutants. Clean regularly with a mild household detergent and plenty of fresh water. Use a sponge on smooth surfaces and the deck. A brush can be used on the nonskid areas. Be sure to rinse away all grime and residue.

#### **WAXING**

Constant exposure to the natural environment and pollutants will require some special attention to restore gloss and color. See a local dealer for advice on suitable waxes for your boating region. A wax film will seal the pores as well as enhance the looks of your boat. **DO NOT wax surfaces that may be walked on due to the fact they will become slippery.** While waxing your boat inspect the surface for any damage and correct them as soon as possible.

## MAINTENANCE AND SERVICE

Gelcoat will age or dull naturally. Discoloration's are shallow in depth. Factors that will affect the rate of discoloration are the sun, pollution, old wax accumulation and the salt content of the water. Polishing compound (fine abrasive) or rubbing compound (coarse abrasive) is recommended for use on fiberglass finishes to remove scratches, stains or restore severely weathered surfaces. These products can be applied by hand or mechanical means. The following process will help restore your fiberglass finish.

- Clean the affected area with a good detergent.
- Remove stubborn stains or discoloration by gently wet sanding the affected areas with 600 grit "wet or dry" sandpaper. **ALWAYS SAND IN ONE DIRECTION.** Use plenty of water and sand curves in the same direction. Dry the area to make sure all the discoloration has been removed. Repeat this process if necessary.
- Buff using a polishing compound suitable for fiberglass, an electric buffer (1750-1800 RPM) and an 8 inch lambs' wool pad.

### CAUTION

**Keep buffer moving. Do not allow it to rest in one spot.  
Heat build up will quickly distort the surface.**

- When buffing is complete, wash clean with clear water then dry the area.
- Once the area is clean it may be waxed. This will enhance the gloss while providing a seal to retard staining or soil accumulation.

### CAUTION

**Compounding too often or excessive compounding  
can wear away the gelcoat.**

## REPAIRING

Though gelcoat is a very durable material, it is susceptible to scratches, blistering, and web-like cracks (crazing) over time. It is elastic enough, however, to withstand strong blows while flexing with the hull's movement. Gelcoat problems are cosmetic and will not effect the structural integrity of your boat.

Some gelcoat damage and imperfections such as nicks and scratches can be repaired by obtaining a color match patch kit. This kit can be purchased through your Grady-White dealer. Acetone, the most suitable cleaning agent for gelcoat, can also be purchased through your dealer. Instructions are included in the patch kit.

### WARNING

**M.E.K. (Methyl ethyl ketone peroxide), gelcoat and acetone are flammable and hazardous chemicals that must be handled properly. Follow instructions on the containers carefully. Catalyzed gelcoat will heat up and put off fumes. When finished with catalyzed chemicals or if they start to build up heat submerge completely in water until cool.**

## MAINTENANCE AND SERVICE

### BOTTOM PAINT

If you leave your boat in the water for more than a few days the hull bottom, below the waterline, should be treated with anti-fouling paint. This paint will help protect the bottom from marine growth and barnacles which inhibit performance. Since anti-fouling paint slowly dissolves to prevent marine growth yearly inspection and cleaning of the hull bottom is advised. Repaint whenever necessary. We suggest the use of an epoxy barrier coat to be applied in conjunction with the anti-fouling paint to help prevent blistering. For more information see your local dealer.

### CANVAS

Although your Grady-White boat's canvas is made using the highest quality vinyl and latest sewing techniques, your boat's canvas will not be completely leak proof. The seam holes in your canvas may stretch and tend to leak. However, you can correct much of this problem by applying paraffin, Apseal® or Uniseal™, to the seams.

Please understand that Grady-White does not warrant the fit and design of the canvas to be entirely watertight.

### MAINTENANCE

To maintain your boat's top and other canvas follow these steps.

Fabric should be cleaned regularly to prevent the buildup of soil that will accumulate and penetrate the fabric. Simply brush off loose dirt, hose down the canvas and clean with a mild solution and warm water. Do not use petroleum-based or ammonia cleaners on canvas or clear vinyl as they will yellow. For heavily soiled fabric remove the top from frame. Soak the fabric in a solution of 1/2 cup of Clorox and 1/4 cup of Ivory or Lux soap per gallon of warm water. Let soak until mildew and stains can be brushed out with a brush. Rinse thoroughly with cold water until all soap is removed. Allow fabric to air dry completely. **DO NOT STEAM PRESS OR DRY IN AN ELECTRIC OR GAS DRYER.** This will damage the canvas fabric. A water repellent was applied to your canvas during manufacturing. However, repeated cleanings may have diminished some of the repellent and retreatment of the fabric is recommended. Do not use wax based products. Use a water based repellents such as Apseal® or Uniseal™. Scotchguard® is effective for short term use only.

### SNAPS

- Zippers and snaps will loosen with use. Use care when starting the zipper to prevent damage. Lubricate the snap buttons and zippers with petroleum jelly or paraffin. Fasteners should be unsnapped as close to the button as possible.

Apseal® is a register trademark of Astrup.

Uniseal™ is a trademark of Unitex.

Scotchgard® is a registered trademark of 3M.

## MAINTENANCE AND SERVICE

### VINYL

- Clean clear vinyl thoroughly with denatured alcohol and then apply a protective layer of clear wax. **Do not** use paste wax as it will turn the vinyl yellow. This process should be repeated as necessary to maintain the protective wax coating.
- Store and secure canvas before trailering.
- Dry all canvas before storing to prevent mildew.
- Remove the top, front and side panels and **roll** them up for storage. This procedure is necessary to prevent the front and side vinyl pieces from cracking. **NEVER FOLD THESE PIECES!**

### STORAGE

Consider the following steps when putting your folding top canvas option in the stored position.

- Fold the top and zip it into the canvas cover provided.
- Pivot the covered top into the stowed position on the foredeck. The canvas cover is equipped with a strap on each side and an eyelet in each strap. Place the eyelets over the male fasteners located on the port and starboard foredeck.
- Twist the male fasteners 90 degrees to engage.

### CAUTION

**Secure the folded top when in the stowed position  
to prevent the loss or damage of your canvas.**

### UPHOLSTERY

Your exterior vinyl upholstery may be cleaned with a mild solution of household detergent and fresh water. Commercial cleaners for vinyl also work well.

Since the seams of your exterior upholstery are not water proof your upholstery should be stored in the cabin or covered when not in use.

Most cabin cushions are removable and may be dry cleaned. Some cabin cushions are of a Herculon-type fabric and may be cleaned with upholstery cleaner.

### CAUTION

**DO NOT MACHINE-WASH CABIN FABRICS.**

## **MAINTENANCE AND SERVICE**

### **DURATRIM/ACRYLIC/POLYETHYLENE/PLEXIGLAS**

In the cabin, cockpit and helm area of your boat duratrim and polyethylene are used for the toe rails, door trim, bulkhead trim, rod racks, lids, and the cutting board. Duratrim has an appearance similar to teak. Maintenance includes cleaning with soapy water and applying a surface protector twice per year. Polyethylene can be cleaned with products such as 409 or any spray and wipe cleaner. Plexiglas, used to cover the radio box can be maintained by use of a glass cleaner and a soft cloth. Acrylic is used in the helm area to make up the dash cap, radio box cover and deckwing insert. This material may be cleaned the same as the plexiglas.

### **SHOWER SUMP**

Your boat may be equipped with an optional shower in the head compartment. This shower drains into a contained "sump" which is used to prevent hair, soap, scum and bacteria from accumulating in the bilge and creating odors. The sump should be cleaned regularly. In the sump pump box there is also a filter. Remove this filter and rinse with water to clean. The filter should always be installed when using the shower to prevent the sump pump from becoming clogged.

### **SCUPPERS**

All Grady-White boats have self-bailing cockpits, meaning that water on the cockpit floor drains through overboard drains rather than into the bilge. The stern drains (scuppers) have an external scupper flap assembly, which restricts the flow of water back into the boat. Inspect the flaps periodically to make sure that they are free of debris. The scupper flaps may need periodic replacement if the rubber becomes damaged or no longer seals properly in the thru-hull.

### **CAULKING/GASKET**

Deck fittings, bow rails, windows, hatches, etc. have been caulked or gasketed with the highest quality material to ensure a waterproof joint with the boat. However, the working action of normal use will tend to flex the joint and eventually break down the seal between them. Periodically inspect the caulking for leaks. Recaulk or replace the gaskets when necessary or have your dealer do the repairs.

### **HARDWARE MOUNTING**

When drilling mounting holes in boat surfaces make sure each hole is sealed properly. Sealing will prevent water leakage which is especially important in fiberglass areas that have been reinforced with plywood. A hole sealed improperly allows water inside the fiberglass which leads to saturation of the plywood reinforcement. Refer to *Hardware and Fittings in You and Your Boat*.

## MAINTENANCE AND SERVICE

### HARDWARE/HARDTOP FRAME/STAINLESS STEEL RAILS

The hardware, bow and hand rails on your Grady-White is made of laboratory grade 316 stainless steel and needs regular cleaning to maintain its "less staining" properties. The key to maintaining your stainless steel is to keep it clean with a mild solution of soap and **FRESH** water. If acid rain is a problem rinse your boat with fresh water after each rainfall. Rinse hinges on lids and lubricate with penetrating oil to avoid sticking. If your boat is equipped with an optional hardtop, the frame for this top is made from brushed aluminum. This aluminum should also be cleaned with soap and water and may be protected from corrosion by a light application of Boeshield T-9®.

#### MAINTENANCE (For Stainless Steel and Aluminum)

- Clean with warm **FRESH** water and a mild detergent or stainless steel cleaner.
- Then rinse with fresh water and wipe dry with a soft cloth to avoid water marks.
- If discoloration or deposits persist use a non-scratching household cleanser or stainless steel polish with a little water and a soft cloth.
- For stubborn deposits use a plastic scouring pad or a soft bristle brush with cleaner and water. Rub lightly in the direction of the polish lines. Too much pressure may mar the surface.

#### CAUTION

**Do not use abrasive cleaning products, pads, steel wool or steel brushes.  
These products will damage the finish.**

- Do not allow deposits to remain on the finish for long periods.

### FUEL TANK COMPARTMENT

The fuel tank area needs to be rinsed periodically especially when used in a salt water environment. Dirt that accumulates in the fuel tank area attracts salt and causes salt crystals to form on metal tanks. Salt crystals can corrode most metal surfaces if left untreated over a period of time. To help protect your tank from rust and corrosion rinse the compartment with **FRESH** water. Remove the access plates from the fuel tank lid and inspect this area for leaks or unsecured lines.

The access plates on the fuel tank lids seal the fuel compartments. Over a period of time the opening and closing of these plates causes the o-rings to wear-out. Replace these o-rings as necessary to maintain the watertight integrity of the plates.

The T-9® metal protection product was developed by Boeing Aviation for long-term protection of aircraft. It works by coating and penetrating fasteners and fixtures displacing moisture and drying to a clear wax film that lubricates and protects metals for months. T-9® can be used to protect deck hardware, engines, electronics and fishing tackle.



## MAINTENANCE AND SERVICE

### BATTERIES

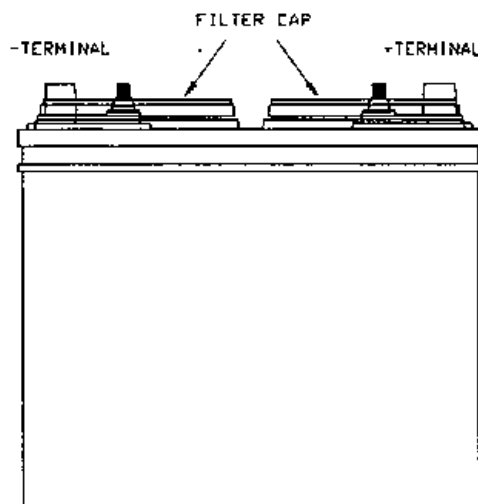
Batteries should be secured in a non-metallic tray to avoid electrolyte spills. Battery terminals should be covered by an insulated boot. Fluid levels should be checked at least once a month depending on usage. Fill the battery to the upper level with distilled water. **Never** overfill the battery.

Keep terminals clean by scrubbing them with a stiff brush and a mixture of baking soda and water. Afterwards apply a light coat of grease. Be careful not to let any of the baking soda/water mixture enter the battery.

When not in use check the battery monthly by using a battery hydrometer which measures the specific gravity.

#### CAUTION

**Never disconnect the batteries when the engines are running. This can cause damage to the charging system. When replacing your battery reference your engine Owner's Manual for recommended battery type and required performance specifications.**



The battery contains sulfuric acid. Avoid contact with skin, eyes or clothing.

Antidote: **EXTERNAL** - Flush with water. **INTERNAL** - Drink large quantities of water or milk. Follow with milk of magnesia, a beaten egg or vegetable oil. Contact physician immediately.

Eyes: Flush with water and get prompt medical attention.

Batteries produce explosive gases. Keep sparks, flame, cigarettes away. Ventilate when charging or using in an enclosed space.

Always shield eyes when working near batteries.

### KEEP OUT OF REACH OF CHILDREN

#### CAUTION

**When disconnecting and reconnecting battery cables the black cable must be connected to the negative terminal and the red cable must be connected to the positive terminal. Reversing this procedure will immediately damage your system.**

## **CHAPTER SIX WINTERIZATION AND STORAGE**

### **GENERAL**

For boats stored during the winter or an extended period of time some precautions should be taken. This information is a basic guide and the actual storage should be performed by a professional qualified dealership. Prior to and during the storage process the boat and it's systems should be checked for maintenance or repairs. Arrange repairs during the storage period. Avoid costly damage and delay when launching your boat by having it winterized and stored properly. Listed below are some of the general guidelines that should be considered before storage.

### **BOAT STORAGE**

To avoid personal injury and property damage it is advised to take extra precautions when lifting or moving the boat for storage. Grady-White boats are built with pad eyes forward and aft. These pad eyes are provided for moving or temporary lifting. No boat should be lifted and continuously hung by the pad eyes. Pad eyes should be inspected regularly to insure structural integrity.

#### **WARNING**

**THE BOAT SHOULD NOT BE HUNG BY THE PAD EYES.  
PAD EYES SHOULD BE INSPECTED PERIODICALLY IF USED FOR LIFTING.**

While transporting a boat by lift or tow motor the structure should remain as close to ground level as possible. If slings are necessary for lifting or transporting they should be in proper condition and tied together to prevent any movement (separating or slipping) which could cause damage to the boat. If tow motors are used to move the boat the forks should be padded and in a secure location under the hull near the chine. The forks should be long enough to prevent the boat from rocking forward and aft causing it to become unbalanced.

Other conditions that should be considered before hauling, transporting or storing your boat include overhead lines ground conditions (frozen or soft) and storm conditions that may arise.

When storing your boat on the trailer raise and block the trailer axle to prevent tire deterioration. This is an excellent time to lubricate and pack the wheel bearings per the manufacturer's instructions.

Make sure the keel, chine and transom are fully supported. Indoor storage is beneficial particularly if your climate produces freezing weather. The storage unit should not be airtight but should be ventilated. Ventilation is extremely important both around and through the boat.

For outdoor storage a canvas cover should be used to prevent "sweating". One method is to build a frame over the boat to support the canvas. It should be a few inches wider than the boat so the canvas will clear the rails and allow passage of air. The cover should be fastened securely so that winds cannot remove it or cause it to chafe the boat. A poor covering job will eventually cost more than the price of a well-made cover.

## WINTERIZATION AND STORAGE

### WARNING

**IF THE BOAT IS SHRINK WRAPPED WITH PLASTIC DURING STORAGE, THE FUEL FILL AND VENT FITTING MUST BE OUTSIDE OF THE ENCLOSURE TO PREVENT THE TRAPPING OF DANGEROUS FUMES OR SPILLAGE FROM THERMAL EXPANSION.**

### CLEANING AND LUBRICATING THE BOAT

Clean and wax your boat before storage. If you store your boat in the water, there may be a layer of growth on the bottom. As it dries this debris will harden. Clean, scrub and scrape the bottom promptly when the boat is removed from the water. Remove all marine growth and other foreign matter from the hull. Clean the inside of hull openings, thru-hull fittings and scupper drains. Inspect the hull for damage.

Check cleats and rails for corrosion and tightness. Clean stainless steel as directed under MAINTENANCE AND SERVICE. Use a quality metal preservative like T-9™ (see page 5-6) on metal surfaces to prevent salt water damage. Check for loose silicone, hinges and unseated gaskets. Replace or tighten where necessary. Heavy seas pounding and twisting the hull can cause leaks in your windows, doors and hatches. Check hinges for corrosion. Lubricate hinges as necessary.

### DRAINING & WATER SYSTEM

In climates where freezing weather occurs it is important that the bilge be drained and dried when the boat is laid up for the winter. Remove the garboard drain plugs to keep the bilge dry. Store your boat with the bow elevated for drainage.

Drain all water tanks, lines and pumps to prevent freeze damage. The fresh water system may be drained by running any faucet until the tank is empty. When empty turn the faucet off to prevent pump damage. Residual water will not damage the tank. If desired, the fresh water system may have a non-toxic antifreeze added. This antifreeze can be purchased at marine or camping dealerships.

Drain portable heads. Remember to drain the upper and lower tanks. Water should be removed from deck pump-out lines.

To drain other lines close seacocks and run the pumps until the lines are dry then open the seacocks. In warmer climates draining will help prevent water stagnation.

### BATTERIES

Check the electrolyte level in your batteries and fully charge the batteries before storing. A weak battery loses its charge more rapidly than a strong battery. Ideally, you should disconnect the batteries and cover the terminals with grease to prevent corrosion.

## **WINTERIZATION AND STORAGE**

### **FUEL SYSTEM**

The fuel tank compartments should be rinsed with fresh water to keep salt crystals from forming and corroding the fuel tanks. After rinsing make sure all water is drained from the compartments.

Make sure your fuel does not contain alcohol. Fuels that contain alcohol will absorb humidity. The resulting condensation will separate from the fuel as temperatures drop during the winter months. An accumulation of this condensation can lead to corrosion. There are also fuel additives available to inhibit condensation. Keep tanks full but do not overfill.

This is also a good time to have your fuel filters/water separators replaced.

### **ENGINES**

Consult your Engine Operator's Manual regarding the procedures for winterizing the engines. Follow these important instructions carefully and your engines should survive the most severe weather conditions. Change all filters. Check hoses and clamps. If you have developed any vibrations during the season look for loose engine bolts, bent shafts or bent propellers.

### **STORAGE CHECKLIST**

In addition to the winterization guidelines, the following checklist can be used as a guide for storing your boat. Additional details should be added as needed for your personal application.

- Remove all loose items and personal effects.
- Remove any detachable and valuable equipment such as electronics. Store all electronics inside. Your compass, if built in, should be covered for the winter. Ultraviolet rays from the sun will "cloud" the compass and make it difficult to read.
- Winterize all equipment as directed in the manufacturer's manuals.
- Store cushions indoors to prevent mildew.
- Clean the exterior and interior of the boat. Remove grease, oil, salt spray, etc..
- Remove all garbage. Clean storage compartments, fish boxes and livewells. Prop lids open.
- Lubricate hinges, valves, the backs of electrical panels and other surfaces that will rust.
- Check underwater items. Hardware should be in good condition and tight.
- Inspect electrical systems and have any repairs performed.

# CHAPTER SEVEN

## F26 TIGERCAT

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## **F26 TIGERCAT**

### **OPTIONAL FEATURES**

- Anchor Windlass
- Battery Charger
- Battery Select Switch
- Bow Lifting Ring
- Bow Pulpit
- Cabin Shower
- Cockpit Shower
- Compass
- Cushions - Aux Berth
- Dockside Power W/Galvanic Isolator
- Gunwale Mounted Freshwater System
- Hardtop Rod Holders
- Hardtop W/Radio Box & Spreader Lights
- Head - Marine Head W/Electric Flush
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- Hot Water Heater (110V) Requires Dockside Power
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- Seating - Deluxe Helm Chair
- Seating - Folding Aft Bench Seat
- Steering - Tilt
- Stereo
- Windshield Washer - Starboard (Freshwater)

### **CANVAS OPTIONS**

- Covers For Pedestal Chairs
- Drop Curtain
- Folding Top & Side Curtains W/Boot
- Hardtop Curtains
- Helm Station Cover
- Vista Top W/Curtains And Boot

## F26 TIGERCAT

### OPERATION OF STANDARD FEATURES

#### ACCESSORY OUTLET - 12 VOLT

A 12 volt outlet at the helm is available as an option. This outlet provides an easily accessible power supply for accessories such as cellular phones and spotlights.

#### NOTICE

This outlet cannot be used with a cigarette lighter.

#### BILGE PUMPS with FLOAT SWITCHES

Your boat is equipped with an automatic float switch on each bilge pump. These switches will enable the bilge pumps to come on automatically if a significant amount of water accumulates in the bilge. The switches are wired directly to the batteries and should be inspected frequently to ensure proper operation. They function independently of the battery select switches and can activate the bilge pump with the battery select switches in the "OFF" position. The bilge pumps are also equipped with switches at the helm. When a helm switch is in the MANUAL position the pump will run continuously. The pump should not be left in the MANUAL mode unless someone is monitoring the system and can turn the pump off when the bilge is dry.

#### CAUTION

Do not run bilge pumps dry for a prolonged period of time.

#### BILGE PUMP LOCATIONS

Your Grady-White catamaran has four bilge pumps. One is located in the motorwell under the access plate just forward of the transom on each side. There is also one located in the cabin under the sole floor on each side. These pumps can be reached through the access plate in the cabin floor.

#### LIVEWELL - RECIRCULATING

To operate the circulating livewell open the seacock in the port aft bilge. Next plug the drain in the bottom of the livewell box. The switch at the helm needs to be in the "on" position. The livewell will then fill with water through an inlet fitting near the bottom of the box. The water level will rise to a point slightly below the top of the livewell and will drain overboard through a screen overflow fitting.

#### NOTICE

If the seacock is left open and the pump is not "on", the boat's forward motion through the water will gradually fill the box. This inadvertent filling may be prevented by closing the seacock when the livewell option is not in use.

#### NOTICE

Under certain conditions placing the outboard engine(s) in reverse will ventilate the water under the boat and create an airlock in the livewell pump. To prevent this situation from occurring it is recommended that the livewell be turned "OFF" prior to any high RPM or continuous reverse operation. In the event the livewell pump becomes airlocked, this situation may sometimes be corrected by turning the pump "OFF" for 15-20 seconds.

## F26 TIGERCAT

### MAIN CIRCUIT BREAKER

There is a 40 AMP circuit breaker located between the battery select switches. This breaker is the main protection for the wiring supplying power to the accessory switch panel and helm fuse block. If this breaker is tripped it may be reset by depressing the red button on the breaker box.

### SEACOCKS

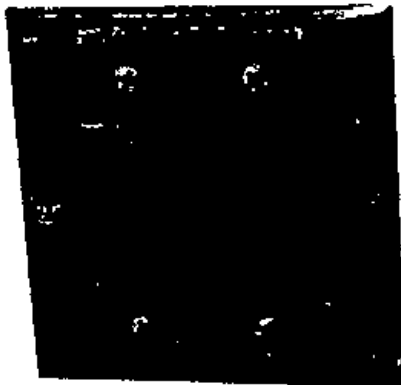
Ball valve seacocks are installed on the thru-hulls for the livewell and washdown accessories. These seacocks are located in the aft bilge areas. It is necessary for the seacocks to be in the open position for operation. The open position can be obtained by pulling up on the remote arm attached to the seacock handle. Pushing down on the remote arm closes the seacock.

### NOTICE

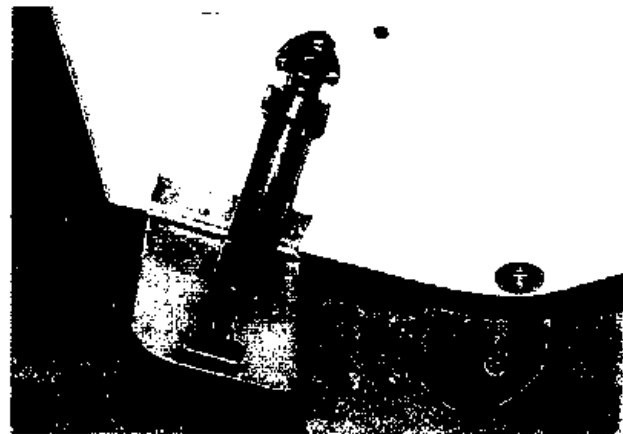
**All seacocks should be in the closed position if not in use or if the boat is unattended to prevent the taking on of water if a plumbing component fails.**

### TRIM TABS

Trim tabs are electrically-hydraulically operated and are used to modify the attitude of the boat while moving. These trim tabs may also be used to adjust the boat's running angle in adverse seas or to compensate for unusual load conditions.



TRIM TAB SWITCH



TRIM TAB

The trim tabs are operated by a two rocker switch panel and will aid in trimming the boat fore and aft for a smoother ride. The switches are marked "bow down" and "bow up". Trim tabs in the extreme "bow up" positions will have no effect on the boat's ride.



## **F26 TIGERCAT**

Trim tabs can improve the ride of your boat by adjusting where the water is hitting the keel line. In a slight chop the waves may be hitting the keel of your boat around the helm area causing an uncomfortable ride. By adjusting the trim tabs and lowering the bow the waves will hit the keel at a more forward point softening the ride. Experimentation with trim tabs in various sea conditions will help you determine the best positions for your boat under different load conditions.

Trim tabs are also useful in correcting a port or starboard list. If the boat is listing to the port side press the starboard trim tab switch toward "bow down". Press the port trim tab switch toward "bow down" to correct a starboard list. This will tend to lower the bow by pulling the higher side to a level position. If your bow is already in a low position you may correct list by pressing the trim tab switch toward "bow up". This will cause the low side to rise and level the boat. It will also gradually improve the running angle.

Trim tabs in the extreme "bow down" position will cause the boat to come on plane with minimum bow rise. Unless you are operating at low speeds or with significant cockpit weight you will likely want to raise the tabs slightly when underway to avoid "plowing" water. With the tabs in the "bow down" position you will be able to maintain a plane at the least possible RPMs.

### **TRIM TAB PUMP LOCATION**

The Tigercat trim tab pump is located in the aft port rigging compartment. The pump is accessed through the port rigging access door.

### **WASHDOWN OPERATION**

To operate the washdown open the seacock located in the starboard aft bilge. Depress the washdown switch on the accessory switch panel at the helm station. The washdown system will now be pressurized at the washdown outlet. This outlet should be used with a washdown hose. A washdown hose with a spray nozzle attached may be used intermittently without turning the switch "OFF", basically the same as a home yard hose with a nozzle. The washdown pump has an internal pressurization switch which will maintain water pressure as needed until the switch is turned "OFF" at the switch panel.

### **OPERATION OF OPTIONAL FEATURES**

#### **COMPASS**

The compass is located at the helm station in direct view of the operator when navigating the boat. Compensation adjustments to the compass may be made by following the instructions included in the "Owners Packet".

**DOCKSIDE POWER**

The dockside power option allows the use of AC equipment on board the boat. This equipment includes any permanently installed appliances such as a battery charger, water heater or it may be a household item plugged into a receptacle. The dockside power is utilized by connecting the heavy duty cable supplied with the boat to an appropriate external power source. This cable provides power to the boat's AC inlet which is wired to the AC panel. The AC panel then allows for distribution to the various appliances and outlets. See the dockside wiring diagram at the end of this chapter for more information on components locations and wiring specifics.

**CAUTION**

**Always disconnect the dockside power cable if leaving the boat unattended for an extended period of time.**

**CONNECTING THE DOCKSIDE POWER**

1. Verify that the external power source is a 3 wire grounded system with amperage and voltage ratings compatible with the boat's AC system ratings.
2. Be sure there is sufficient cable length to allow for normal movement between the boat and the dock.
3. Turn all AC panel switches (including the Main) to the "OFF" position. Turn the circuit breaker at the dock outlet to "OFF".
4. Connect the dockside power cable at the boat inlet first.
5. Connect the dockside power cable at the dock outlet and turn the dock outlet circuit breaker to "ON".
6. Turn the Main circuit breaker to the "ON" position.

**NOTICE**

If there is not any power at the AC panel after completing the above steps check the in-line circuit breaker under the starboard deckwing. This breaker protects the wiring between the cable inlet and the AC panel and must be in the "ON" position for the panel to receive power.

**WARNING**

**If the reverse polarity indicator on the AC panel is activated, immediately disconnect the dockside power cable and have a qualified electrician correct the fault.**

**DISCONNECTING THE DOCKSIDE POWER**

1. Switch all circuit breakers at the boat's AC panel "OFF".
2. Switch the circuit breaker "OFF" at the dock outlet.
3. Disconnect the dockside power cable at the dock outlet first.
4. Disconnect the dockside power cable at the boat inlet.

**NOTICE**

**Keep inlet cover closed tightly when not in use.**

## F26 TIGERCAT

### AC PANEL

If your Tigercat is equipped with dockside power you will have an AC panel. The panel wiring diagrams are found at the end of this chapter. AC powered switches are noted below. Some of these switches are included with optional equipment only and may not be found on your boat.

#### AC POWERED ACCESSORY SWITCHES

Dockside power must be connected to shore and the circuit breaker located under the starboard deckwing must be in the "on" position for these switches to operate. An AC panel wiring diagram and a receptacle wiring schematic are documented at the end of this chapter.

##### MAIN POWER SWITCH

The main power switch must be in the "on" position to operate the various accessory switches.

##### BATTERY CHARGER SWITCH

The battery charger has a voltmeter for indicating the output to the batteries during operation.

##### WATER HEATER SWITCH

This switch activates your six-gallon water heater.

#### **WARNING**

**TO AVOID HEATING ELEMENT FAILURE, DO NOT TURN ON THE HOT WATER HEATER UNLESS IT IS FILLED WITH WATER.**

##### OUTLET SWITCH

This switch provides power to the three electrical outlets. The head outlet is a duplex ground fault receptacle. The cabin and helm station outlets are duplex receptacles wired in series with the head outlet so that they have ground fault protection. These outlets have cover plates.

#### BATTERY SELECT SWITCHES

The Tigercat is equipped with three batteries and two select switches. Two of the batteries are wired in parallel and function as a single battery bank (#1 position on the switches). The third battery is a separate bank (#2 position on the switches). Reference the Battery Select Wiring diagram at the end of this chapter for the layout of the batteries and switches.

An outboard engine should be connected to each battery select switch. Either engine may be started with either battery bank by selecting position #1 or position #2 on the select switches. In normal use select position #1 on the starboard switch and position #2 on the port switch so that both battery banks will be charged simultaneously when the engines are running. The DC accessories on the boat will always be controlled by the starboard switch. This recommended setting also insures that the accessories are being powered by the larger battery bank.

#### **WARNING**

**Never turn the battery select switches to the "OFF" position with the engines running as this could damage the charging system.**

## **F26 TIGERCAT**

### **BATTERY CHARGER**

This optional component is located in the battery compartment on the port side. For this charger to work the dockside power must be operating. The charger is activated by turning the breaker switch at the AC panel to the "on" position. The charger has a built in isolator which senses the charging needs of all the batteries and distributes charge accordingly. At the point that all of the batteries are nearly fully charged the charger will automatically reduce the current being sent to the batteries to a maintenance level. For further information reference the battery charger Operation Manual.

### **WINDSHIELD WASHER SWITCH**

Your windshield washer is controlled by a valve located in the starboard deckwing. Water may be sprayed on the windshield by opening this valve with the Fresh Water System pressurized (the water pressure switch on the accessory switch panel must be in the "on" position). This water is supplied from the fresh water tank.

### **WATER HEATER**

The water heater will provide hot water to the pressurized fresh water system if the dockside power is connected and the AC breaker switch is "on". Follow the Operation and Maintenance manual for the proper use and care of the water heater.

### **HEAD SHOWER**

The head shower is activated by the water pressure switch located on the accessory switch panel. After turning this switch "on" the shower water flow can be controlled by the head shower fixture.

### **COCKPIT SHOWER**

To operate the cockpit shower the water pressure switch located on the accessory switch panel must be in the "on" position. Open the flap and pull the shower wand out from the recessed deck fitting. Depress the button on the back of the wand to spray water. To reinstall the shower wand into the recessed fitting gently feed the hose down through the deck and replace the flap on the fitting.

### **GUNWALE MOUNT FRESH WATER**

To operate the gunwale mount fresh water system the water pressure switch located on the accessory switch panel must be in the "on" position. Swing the faucet out from the recess to an accessible position. The water flow is controlled by the small white knob at one end of the recess. The faucet should be stored in the recess when not in use to prevent damage.

## F26 TIGERCAT

### OUTRIGGERS

Outriggers are an optional feature which allow you to spread the fishing lines trolled from your boat and decrease the chance of entanglement.

#### ADVANTAGES

Advantages of outriggers include: offering bait throughout a larger area behind the boat, placing bait out of the wake zone, automatic drop back following strikes (which allows for fish to completely accept bait) and a reduction in unnecessary twisting action characteristic of artificial bait.

#### INSTRUCTIONS

For proper installation and use of your outriggers regard the installation instruction sheet included in your "Owner's Packet".

#### CARE AND MAINTENANCE

Outriggers should be washed with fresh water, mild soap and a soft cloth. The poles should be sprayed down with fresh water. Never use acidic or abrasive cleaners to clean your outriggers.

A periodic waxing of the outriggers is suggested if your boat is frequently exposed to salt water. The wax will provide a protective coating and seal the pores of the metal. A non-abrasive high quality marine or automotive wax is recommended. Before storage clean and wax your outriggers.

During assembly grease all threads, bolts and tubes, where one section is inserted into another. Disassemble and regrease all applicable surfaces on an annual basis.

### HEAD OPERATING INSTRUCTIONS

#### MARINE HEADS

##### HAND PUMP MARINE HEAD OPERATION

1. Open the marine head inlet seacock (handle in the vertical position). This seacock is located under the access plate in the head floor on the outboard side of the keel.
2. Position the wet/dry bowl selector in the wet bowl setting. Fill the toilet with water by pumping the handle several times.
3. **Flush** the toilet by pumping the handle several more times in the wet bowl position.
4. Move the bowl selector to the dry bowl position and pump the handle until almost all of the water is removed. Leave the toilet in the dry bowl position when not in use.

##### ELECTRIC MARINE HEAD OPERATION

1. Open the marine head inlet seacock (handle in the vertical position). This seacock is located under the access plate in the head floor on the outboard side of the keel.
2. **Flush** the toilet by turning the flush control knob clockwise on the pump beside the bowl. Turn the flush control knob counter clockwise to remove most of the water from the bowl.

**EMPTYING MARINE HEAD HOLDING TANK  
BY USE OF OVERBOARD DISCHARGE**

1. Open the marine head discharge seacock (handle in the vertical position). This seacock is located under the access plate in the head floor on the inboard side of the keel.
2. Turn the monitor "ON" at the control panel.
3. Press the discharge button until the light on the control panel indicates the tank is empty.
4. Turn the monitor "OFF" and close the discharge seacock (handle in the horizontal position).

**CAUTION**

**Overboard discharge seacock must be sealed and secured in the closed position in accordance with the laws in your boating area.**

**EMPTYING MARINE HEAD HOLDING TANK  
THROUGH DECK PUMP-OUT**

1. Remove the cap from the deck pump-out fitting located in the starboard walkaround.
2. Connect a vacuum hose from a pump-out station to the deck fitting and run until the tank is empty. Replace the cap on the deck pump-out fitting.

**Reference the Marine Head Layout diagram at the end of this chapter.**

**PORTABLE HEADS****PORTABLE HEAD OPERATION**

1. Compress the bellows pump, located on the left corner of the toilet a few times to add water to the bowl.
2. **Flush** the toilet by pulling the slide valve handle out (located on the front of the toilet).
3. Compress the bellows pump until the bowl is rinsed.
4. Close the slide valve handle by pushing it in fully.

**NOTICE**

**The upper fresh water reservoir must be filled with water prior to use.**

**PORTABLE HEAD WITH DECK PUMP-OUT**

For flushing instructions follow the steps outlined under PORTABLE HEAD OPERATION.

To empty the portable head reservoir by use of a deck pump-out follow the instructions below.

1. Remove the cap from the deck pump-out fitting located in the starboard walkaround.
2. Connect a vacuum hose from a pump-out station to the deck fitting and run until the reservoir is empty. Replace the cap on the deck pump-out fitting.

**PORTABLE HEAD WITH IN-LINE MACERATOR**

For flushing instructions follow the steps outlined under PORTABLE HEAD OPERATION.

There are two ways to empty the portable head reservoir with this type of set-up. The waste may be vacuumed out through the deck fitting or discharged through a seacock in the hull bottom.

To empty the portable head reservoir by use of a deck pump-out follow the instructions below.

1. Locate the Y-valve mounted on the wall of the head compartment. Place the Y-valve handle in the deck pump-out position (handle pointed up).
2. Follow the steps outlined under PORTABLE HEAD WITH DECK PUMP-OUT.

To empty the portable head reservoir through the discharge seacock using the in-line macerator follow these instructions.

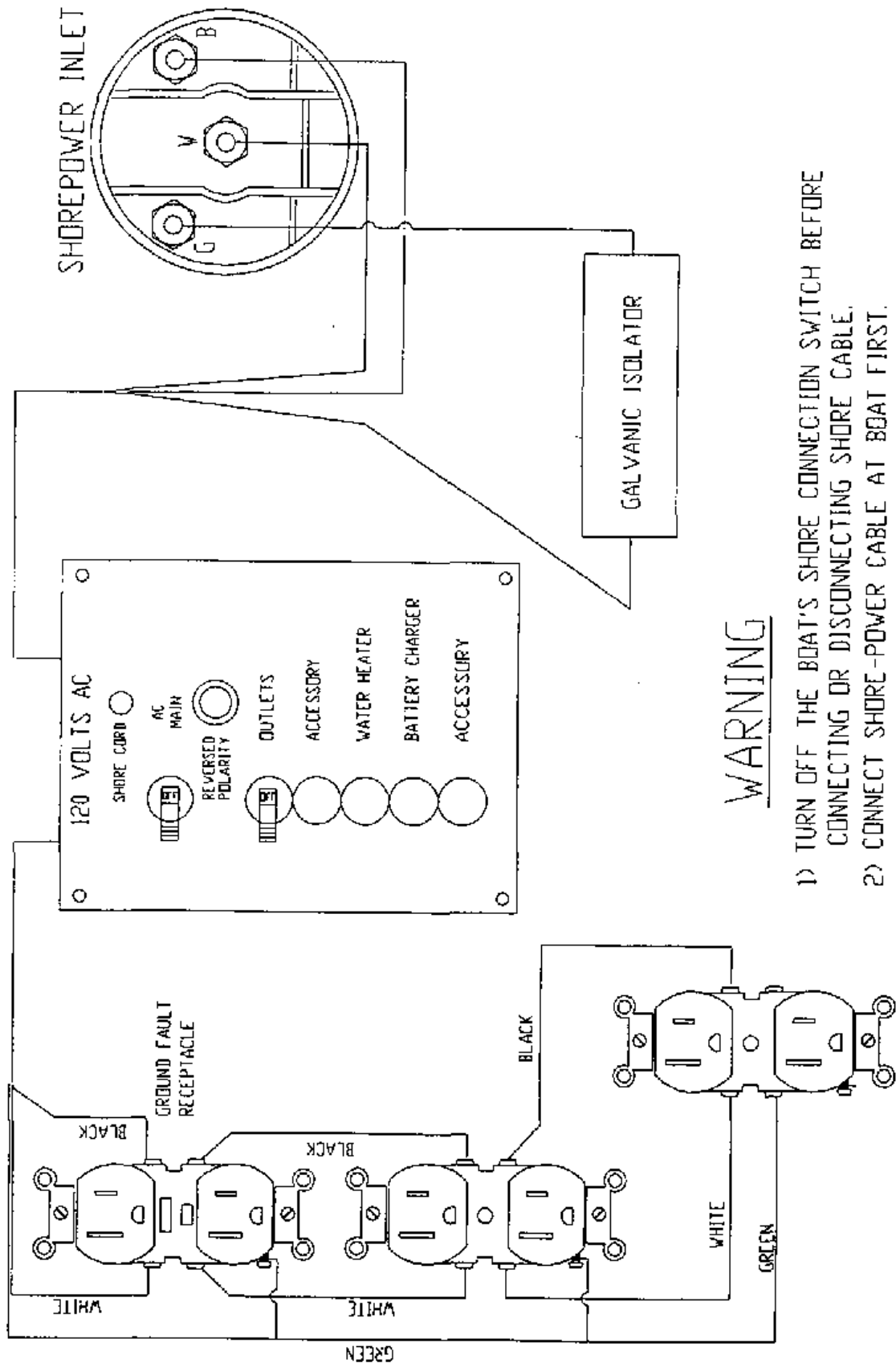
1. Locate the Y-valve mounted on the wall of the head compartment. Place the Y-valve handle in the overboard discharge position (handle pointed down).
2. Open the head discharge seacock (handle in the vertical position). This seacock is located under the access plate in the head floor on the outboard side of the keel.
3. Turn "ON" the head pump switch at the helm and discharge until the reservoir is empty. Close the discharge seacock (handle in the horizontal position).

**CAUTION**

**Overboard discharge seacock must be sealed and secured in the closed position in accordance with the laws in your boating area.**

**The Portable Head Layout diagram is at the end of this chapter.**

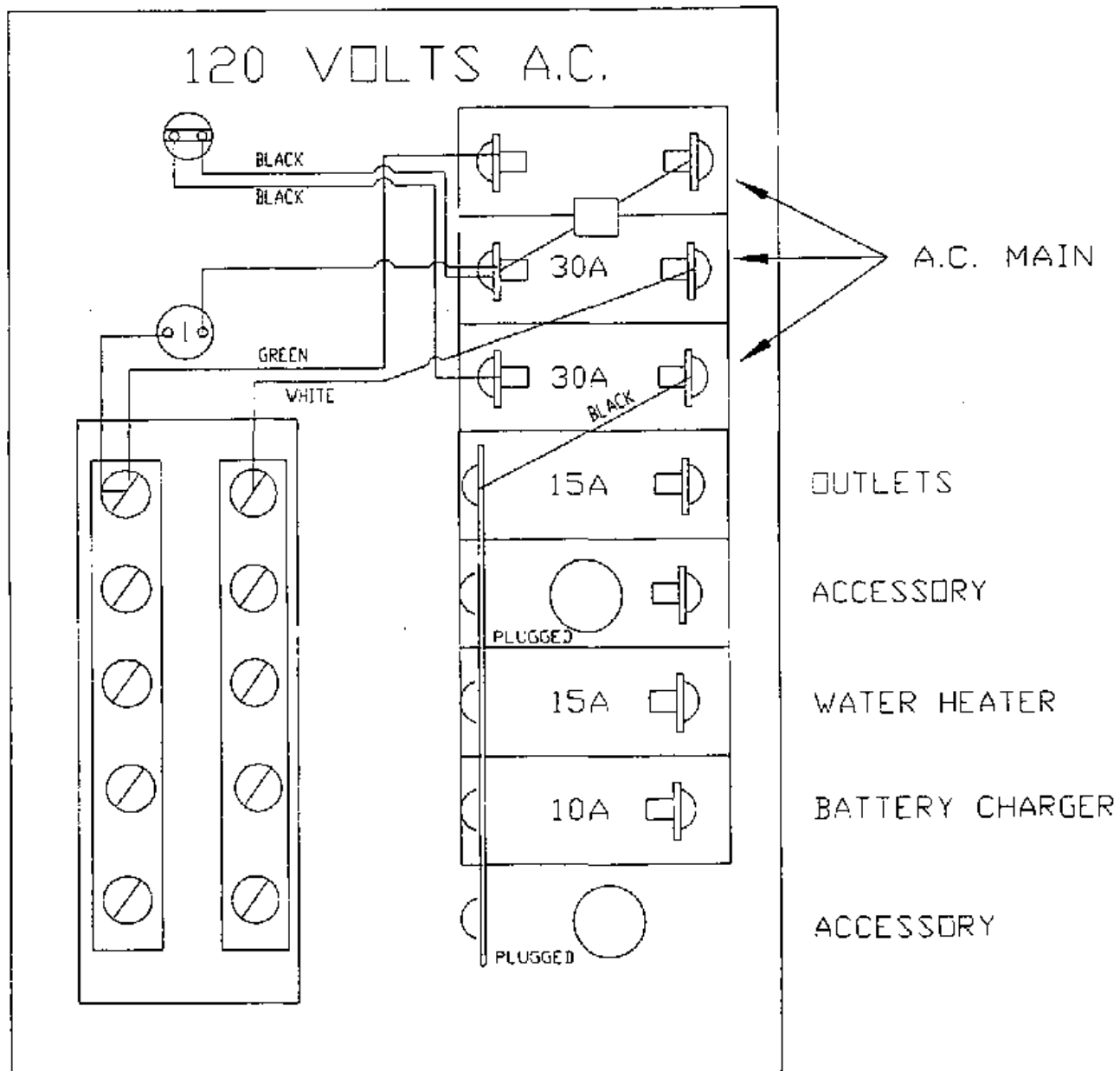
AC INLET AND RECEPTACLE WIRING SCHEMATIC AND WARNING LABEL





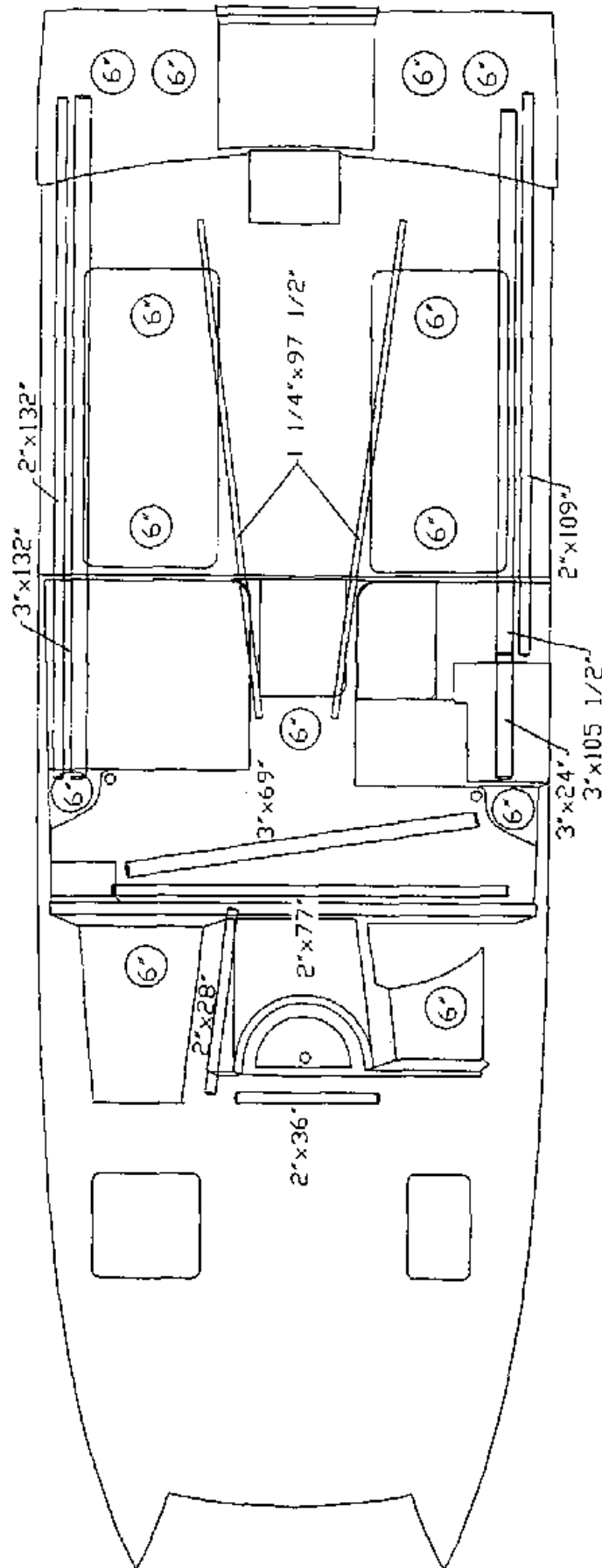
# F26 TIGERCAT

## AC PANEL WIRING



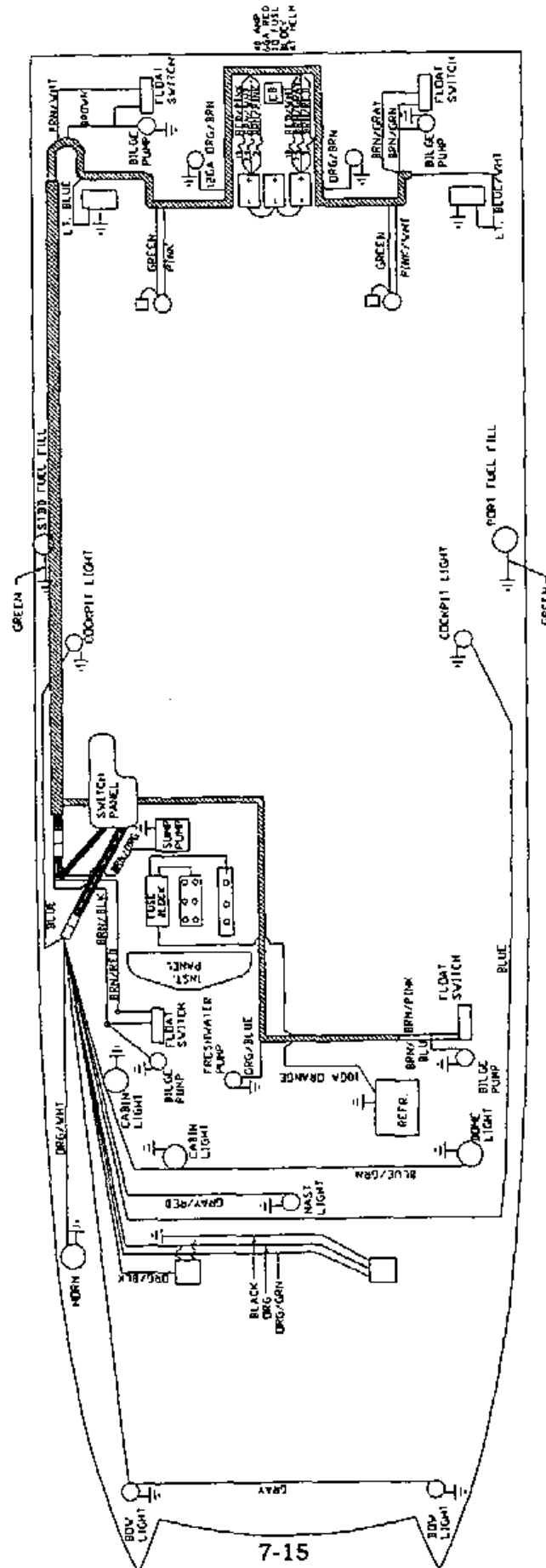
# F26 TIGERCAT

## ACCESS PLATE AND RIGGING TUBE LOCATION



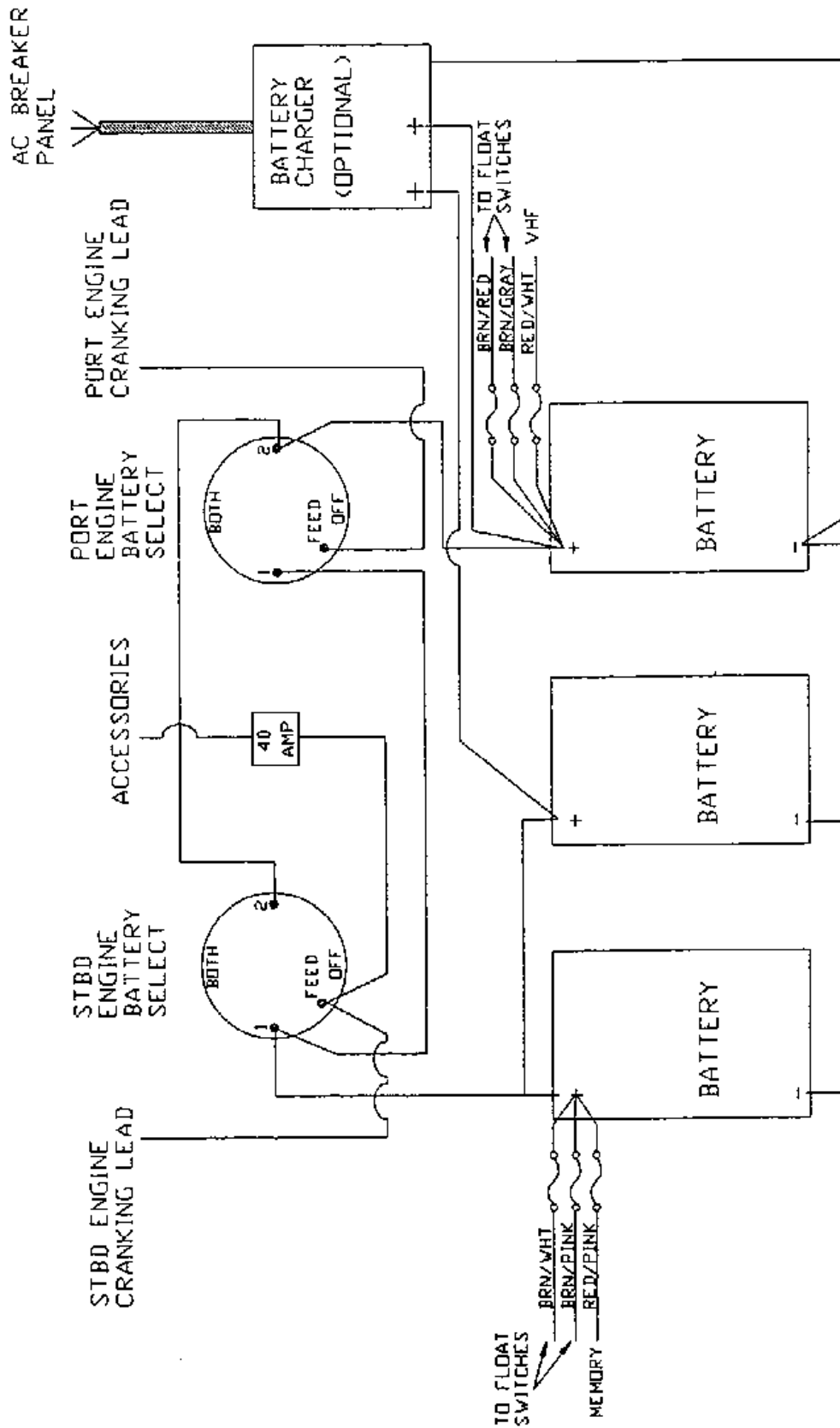
# F26 TIGERCAT

## ACCESSORY WIRING



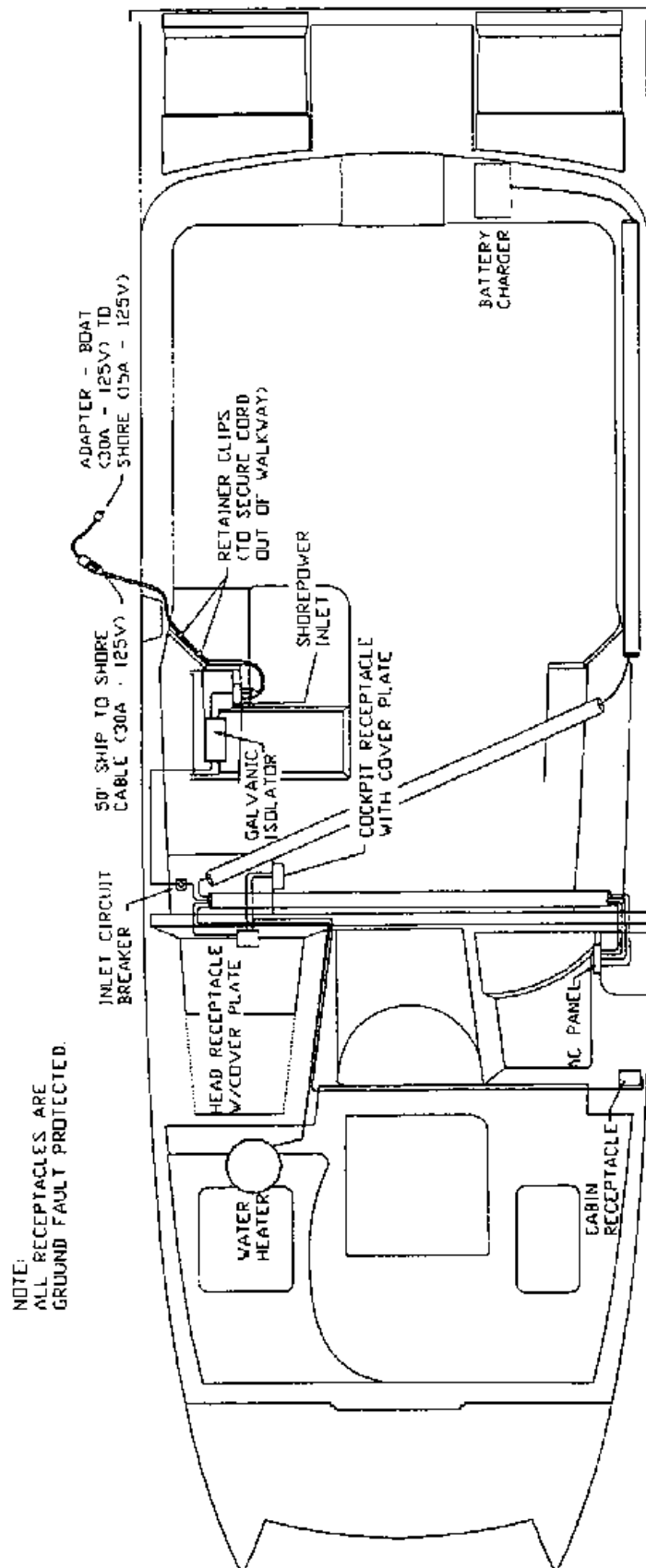
# F26 TIGERCAT

## BATTERY SELECT WIRING



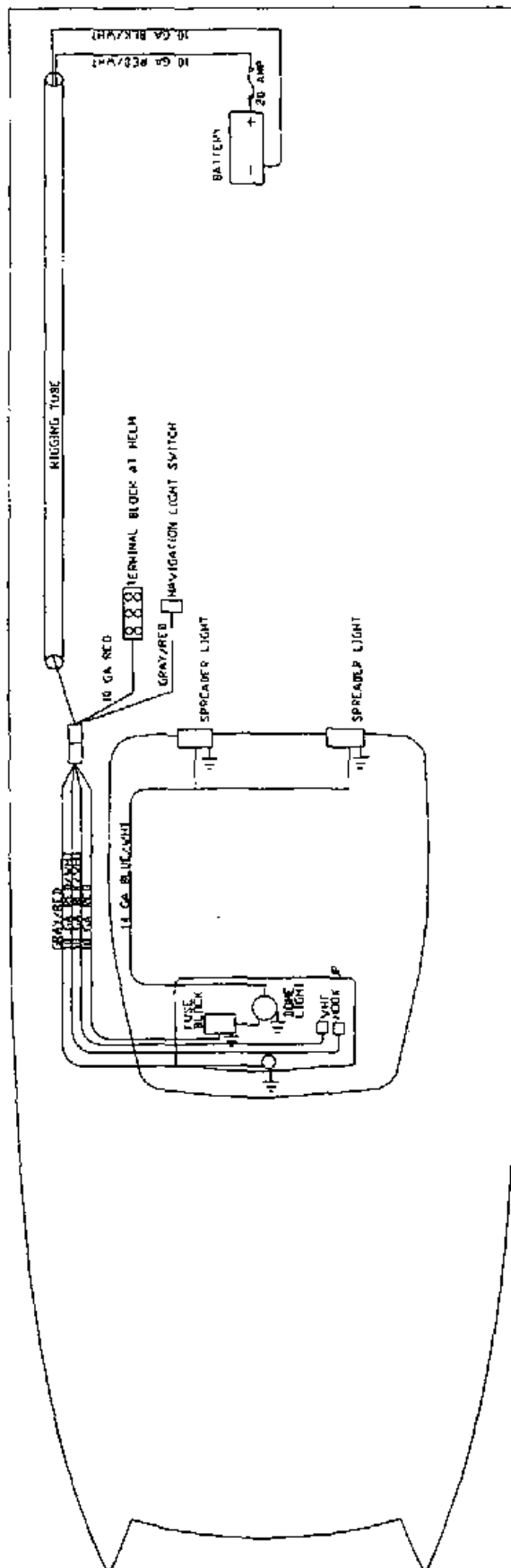
# F26 TIGERCAT

## DOCKSIDE POWER WIRING



# F26 TIGERCAT

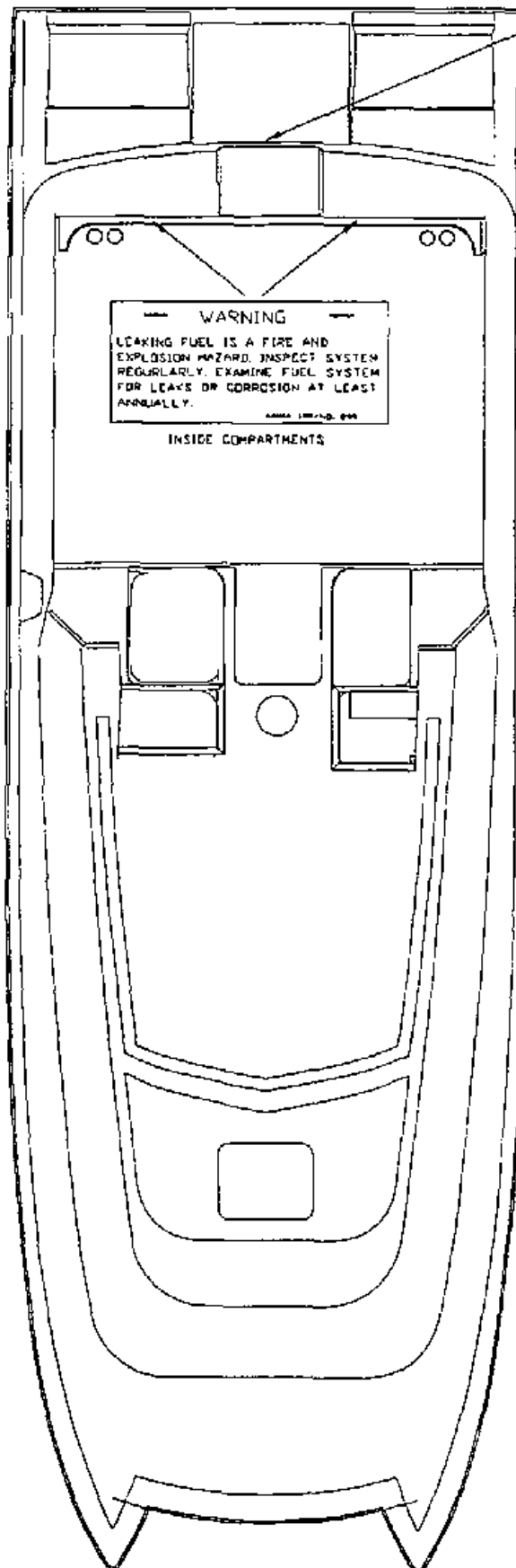
## HARDTOP WIRING



# F26 TIGERCAT

## LABELS AND LOCATION

TO REORDER  
LABELS, PLEASE  
CONTACT YOUR  
DEALERSHIP



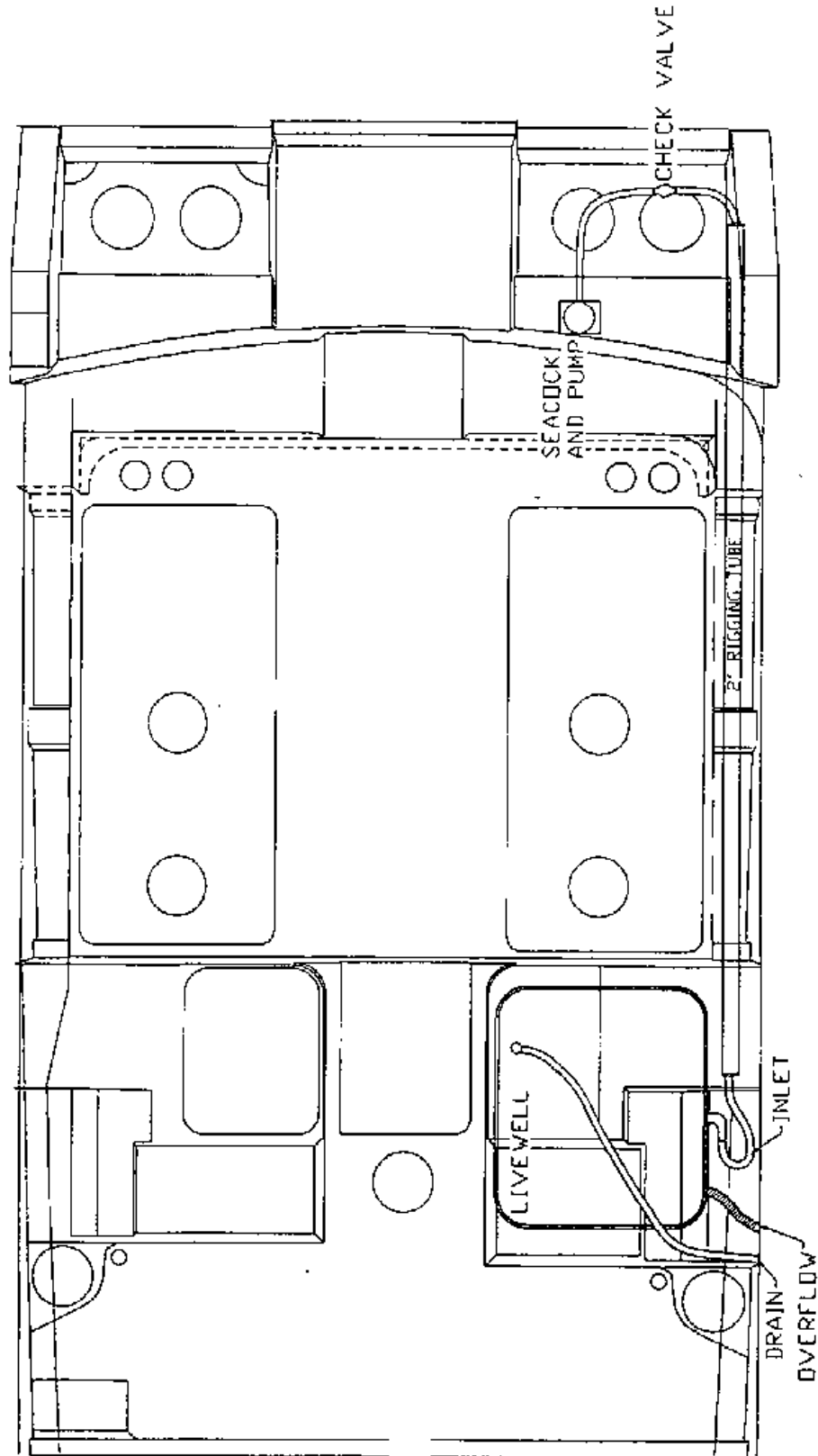
**DANGER**  
DO NOT BOARD  
PLATFORM WITH  
ENGINE(S) RUNNING.  
ON TRANSFER VALL

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

INSIDE COMPARTMENTS

# F26 TIGERCAT

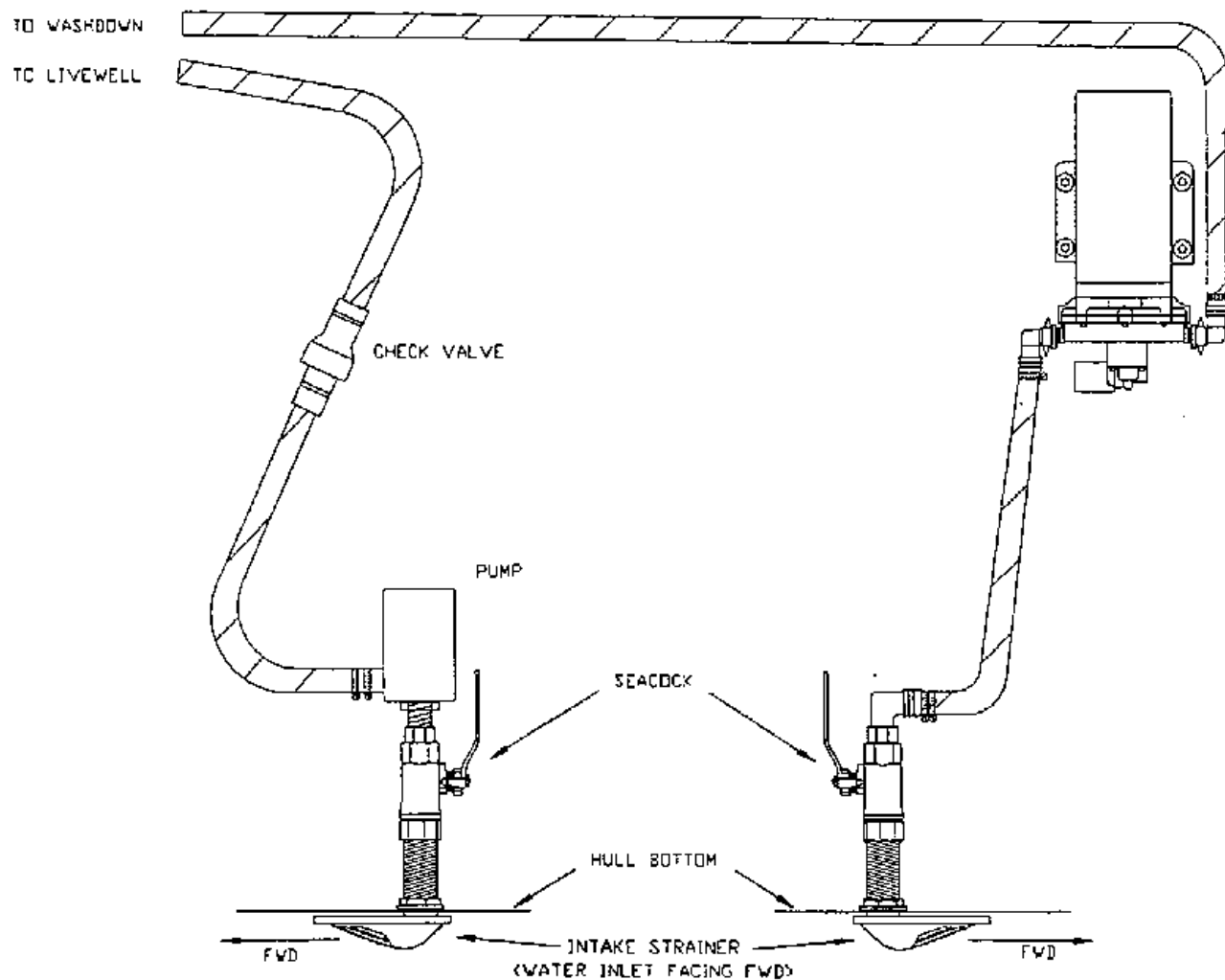
## LIVEWELL SYSTEM LAYOUT



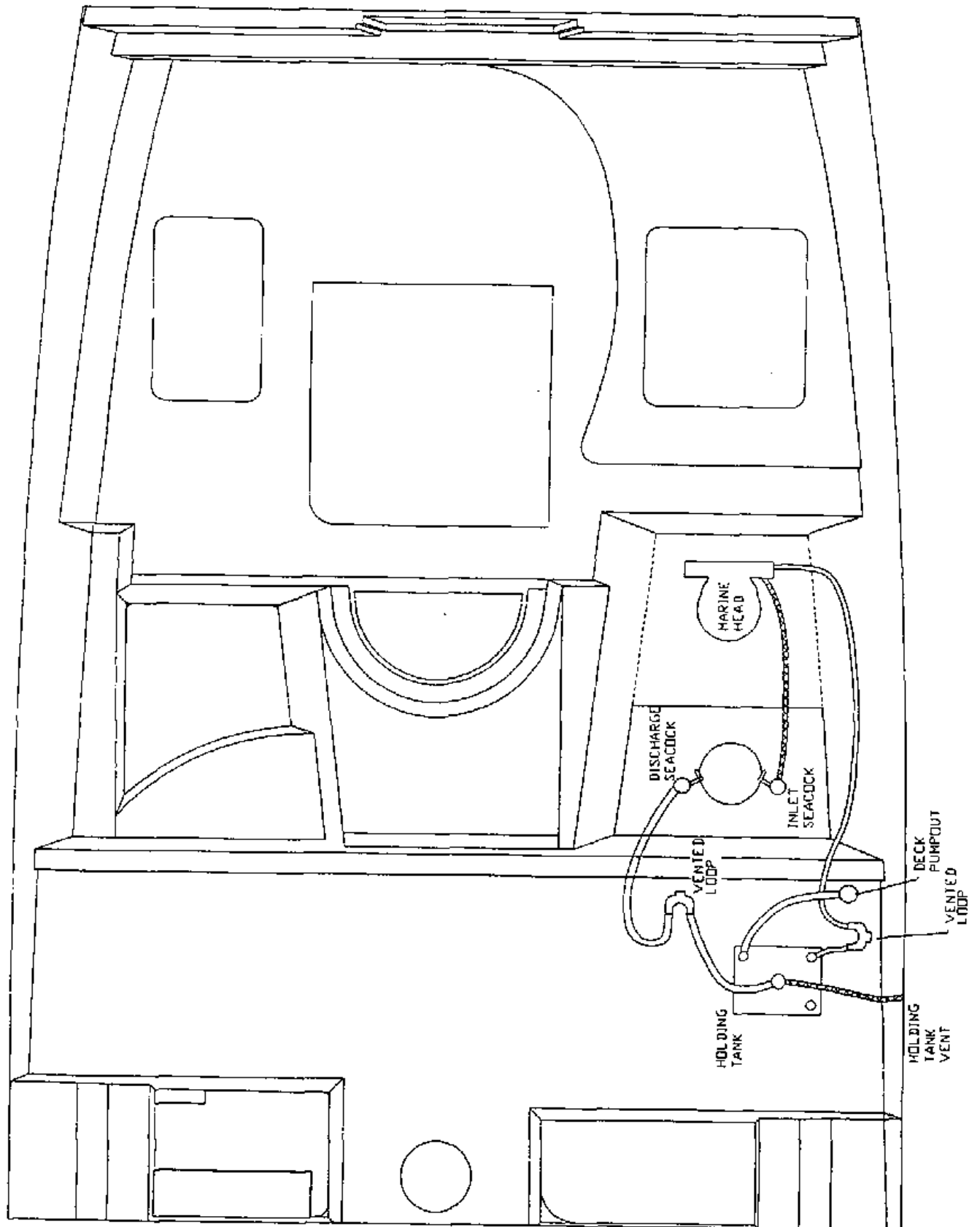


## F26 TIGERCAT

### LIVEWELL/WASHDOWN SYSTEM

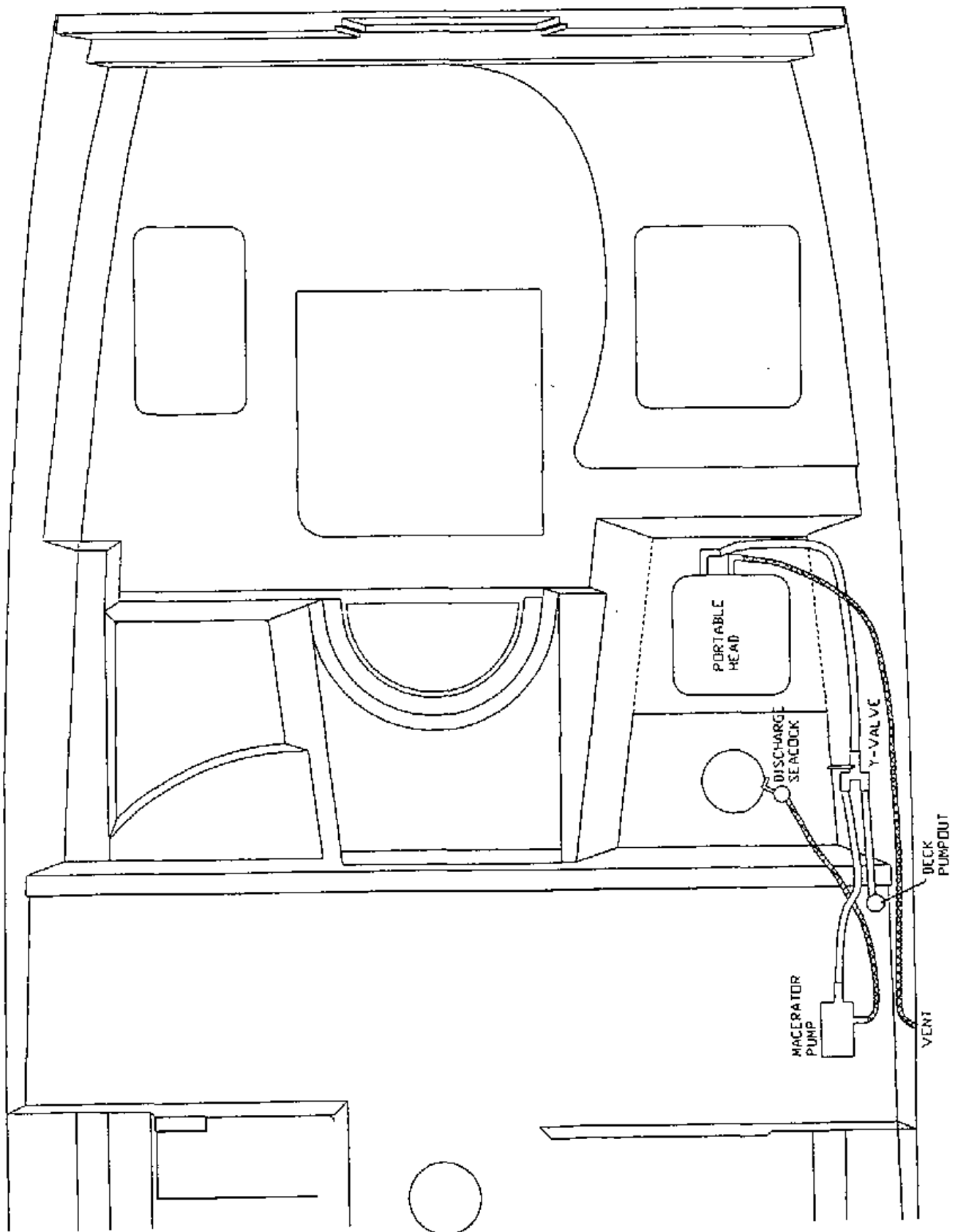


**F26 TIGERCAT**  
**MARINE HEAD LAYOUT**



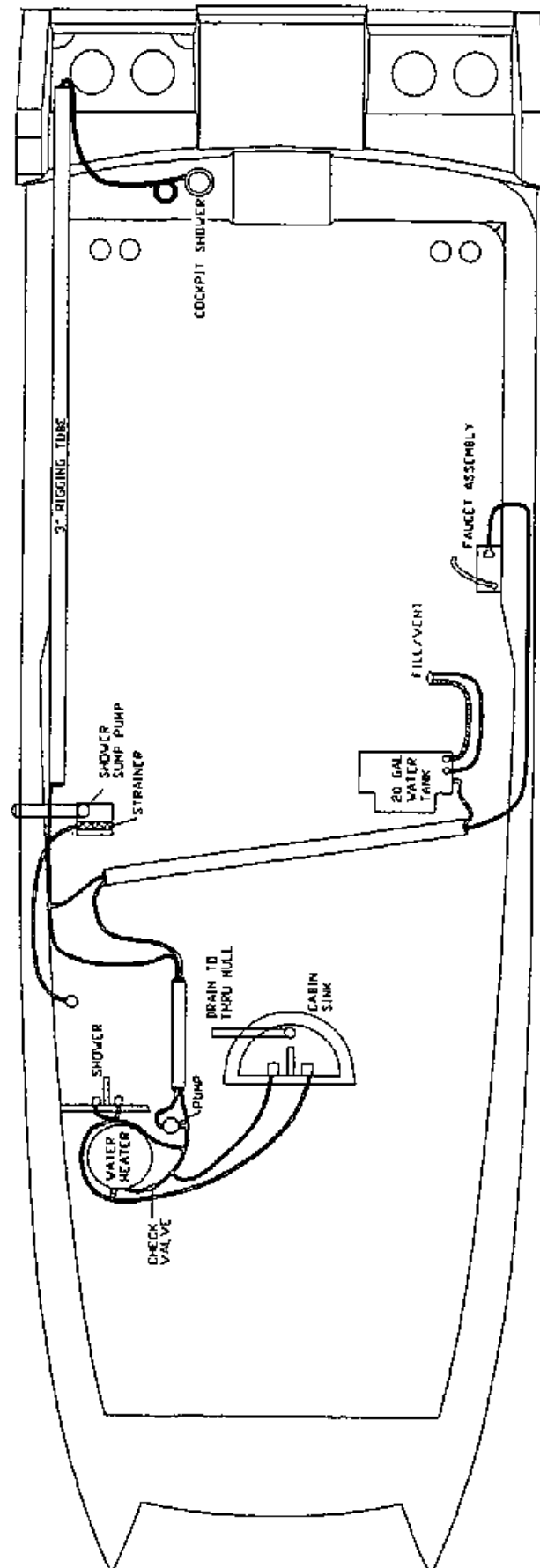
## F26 TIGERCAT

### PORTABLE HEAD WITH IN-LINE MACERATOR LAYOUT

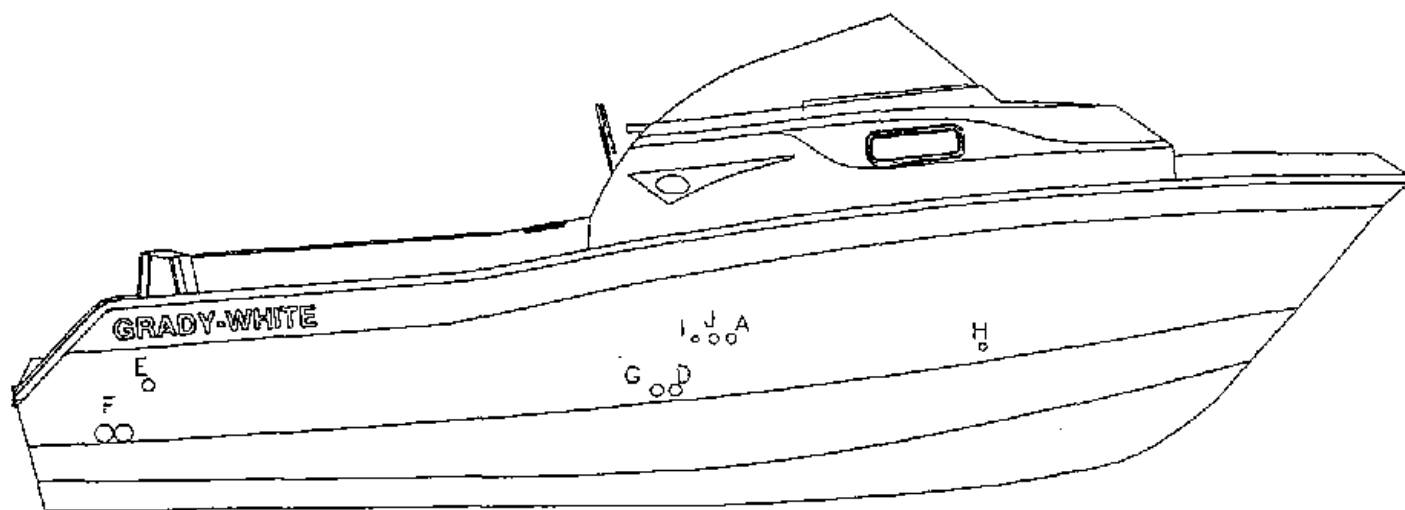
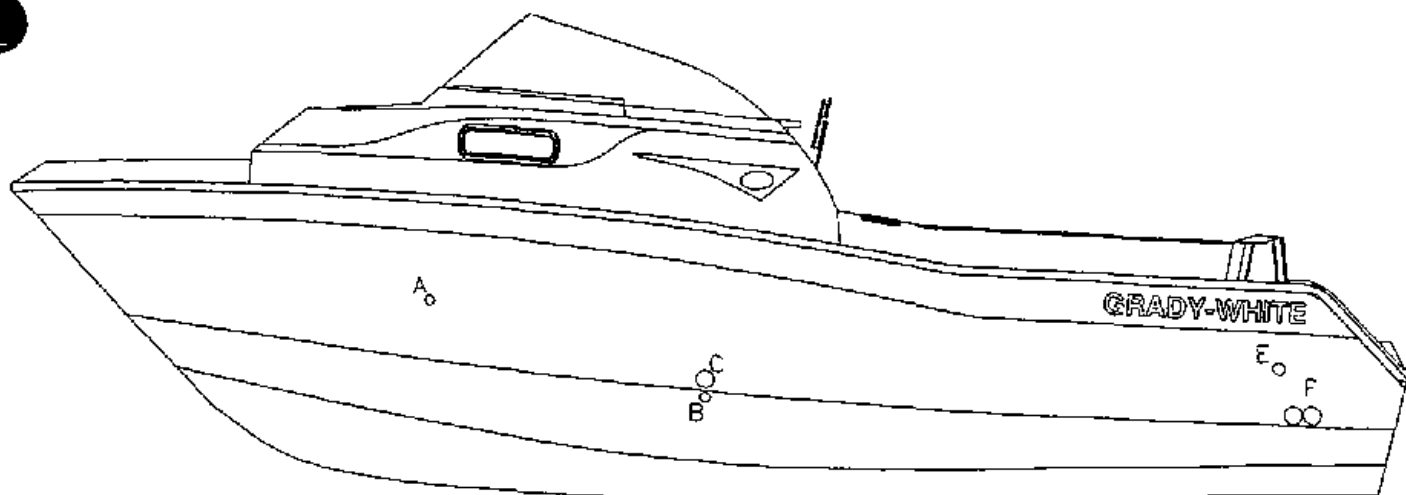


# F26 TIGERCAT

## PRESSURIZED SHOWER/HOT WATER SYSTEM



**F26 TIGERCAT**  
**THRU HULL DETAIL**



THRU HULL & DESCRIPTION

- A FWD BILGE
- B LIVEWELL/HELM DRAIN
- C LIVEWELL OVERFLOW
- D COOLER
- E AFT BILGE
- F SCUPPER DRAINS
- G FISHBOX/HELM DRAIN
- H SINK DRAIN

OPTIONS

- I OPTIONAL MH VENT
- J OPTIONAL SHOWER SUMP