



*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,

**Kris Carroll**  
**President**  
**Grady-White Boats, Inc.**



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## *Welcome aboard!*

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### ***TRANSFERABLE WARRANTY FORM***





## Chapter 1: 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.

*Sportfish, Cruisers, Yachts Owner's Manual*, 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 next to 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.

# WELCOME

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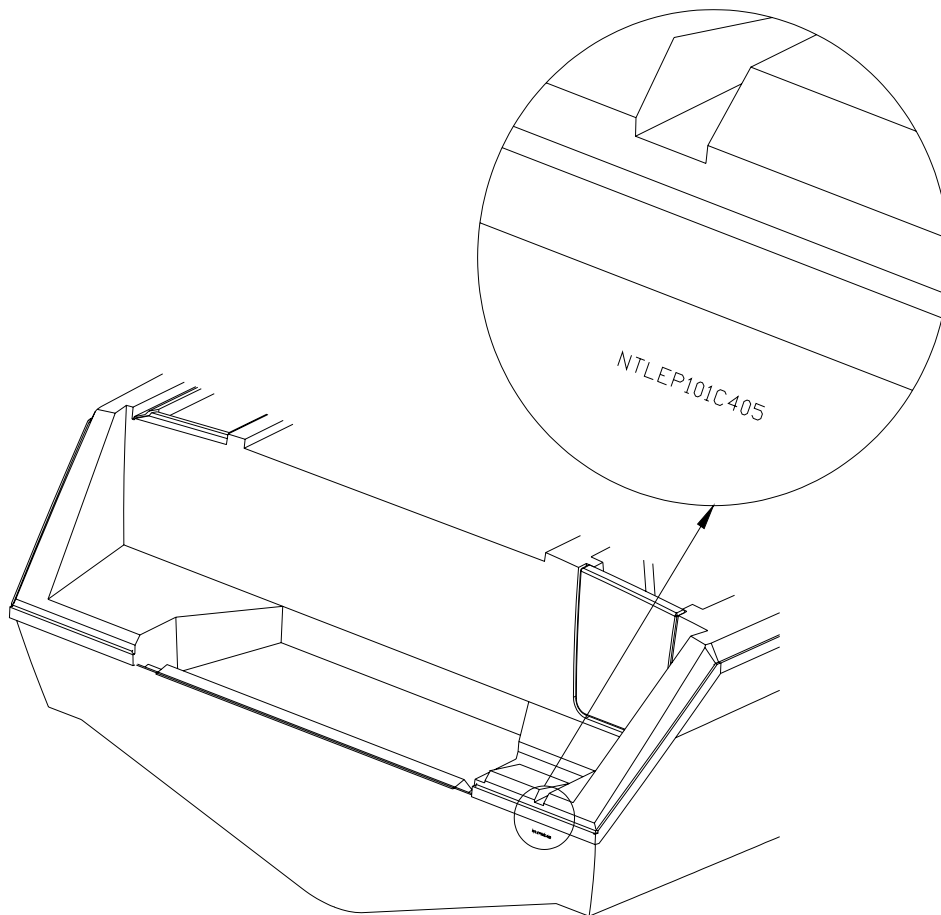
## CONSUMER RESPONSIBILITIES

### 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 to the selling dealer for an engine inspection. Refer to the engine's owner's manual for the proper maintenance schedule.

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**,” located on the starboard side of the transom, 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 LABELS

The hazard warning labels shown below are applied throughout this manual to alert the customer of potentially dangerous situations that 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 imminently hazardous situations which *will* cause severe personal injury or death if the warning is ignored.

### WARNING

This symbol alerts you to potentially hazardous situations or unsafe practices that *could* result in severe personal injury or death if the warning is ignored.

### CAUTION

This symbol alerts you to potentially hazardous situations that *may* 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.



## **Chapter 2: Safety**

### **REQUIRED SAFETY EQUIPMENT**

The US Coast Guard (USCG) requires that every boat have specific equipment on board. Check with local regulations on mandatory equipment apart from the list of Coast Guard requirements. See *Sportfish, Cruisers, Yachts Owner's Manual* page 17 for details on the following required safety equipment.

- **Fire Extinguisher**

Boats should be equipped with a marine approved fire extinguisher.

- **Personal Flotation**

All passengers must have an 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. See page 33 of the pamphlet *Sportfish, Cruisers, Yachts Owner's Manual* enclosed with this manual for more information.

- **Lighting**

Grady-White boats are equipped with navigational lights that meet requirements for recreational vessels for inland and international waters.

### **ADDITIONAL RECOMMENDED EQUIPMENT**

In addition to the required safety equipment, there are 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 page 18 of the pamphlet *Sportfish, Cruisers, Yachts Owner's Manual* 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 where applicable. Conditions found requiring corrective action should be worked on by a qualified repairman.

### **REGISTRATION NUMBERS**

Federal and state laws require a powerboat 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, *page 1–2*) 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

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## 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 system includes a shut-off switch, switch clip, lanyard, and lanyard clip. The lanyard clip should be 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. Simply reinstalling the switch clip will reset the emergency stop switch. The decision to use the emergency stop switch rests with the owner/operator. See page 72 in *Sportfish, Cruisers, Yachts Owner's Manual*.

## EMERGENCY INFORMATION

Unpleasant situations may develop while boating. You should prepare yourself on how to cope with emergency situations should one materialize aboard your vessel or someone else's. Anticipate a game plan for specific situations such as fire, man overboard, collision, etc., to give you the confidence and ability necessary for an emergency; the key is to remain calm. For emergency procedures, see Section 4 in *Sportfish, Cruisers, Yachts Owner's Manual*.

- **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 are not required to endanger your vessel or passengers to render assistance.**

- **Accident Reporting**

Report all boating accidents to your local authorities. Federal regulations require boat operators 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, certain 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.

## BOATING SAFETY TIPS

Safety is an important aspect of boating. Your safety as well as the safety of your passengers and vessel is your responsibility. The following precautions, and the ones mentioned in section 1 of *Sportfish, Cruisers, Yachts Owner's Manual*, will add to yours and your passengers' boating safety and pleasure.

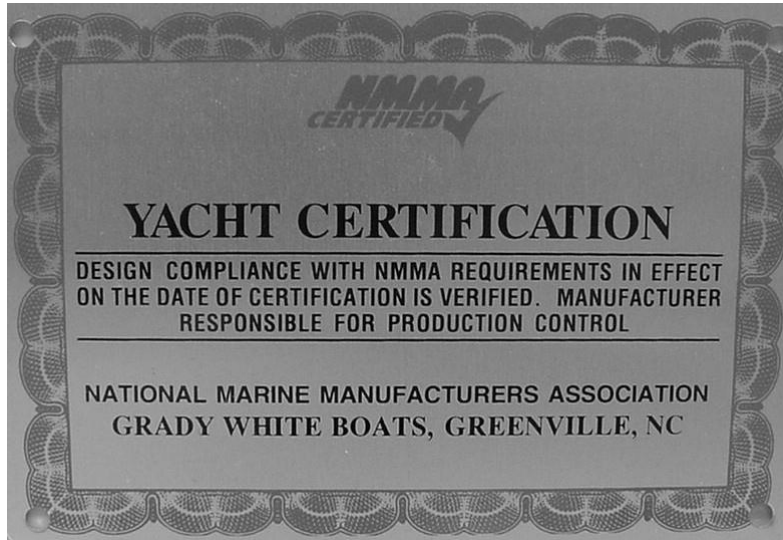
- Before operating your Grady-White, **READ AND STUDY ALL OPERATION AND MAINTENANCE MANUALS.** It is important that you fully understand how to use your boat. Contact your Grady-White dealer for questions. Proper use and service will insure quality performance and longevity of your boat.
- A written float plan left with a RESPONSIBLE person can serve as valuable information should you 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.
- **Individuals under the age of 16 should not be allowed to operate your boat. Inexperienced drivers should have constant and direct supervision.**
- 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 hand holds and rails for steadiness. Do not allow bow, transom or gunwale riding. Remember, the captain is ultimately responsible for the safety of the passengers aboard their vessel.
- Keep your boat speed under control. Respect for other boaters and those on shore are common courtesy. The boat's operator is responsible for injury or damage caused by the boat or the wake. Your wake could swamp a smaller craft and endanger its passengers. Stay alert for 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 engines running.** A shift lever in neutral could become engaged accidentally. Also, exhaust fumes from the outboard engines contain carbon monoxide gas. These fumes may concentrate in this area.
- 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 *"Pollution Regulations"* on page 3–3.
- Know and obey the "Rules of the Road". See *Sportfish, Cruisers, Yachts Owner's Manual* beginning on page 19 for a better understanding of rights of way, signals, and waterway markers.

# ***SAFETY***

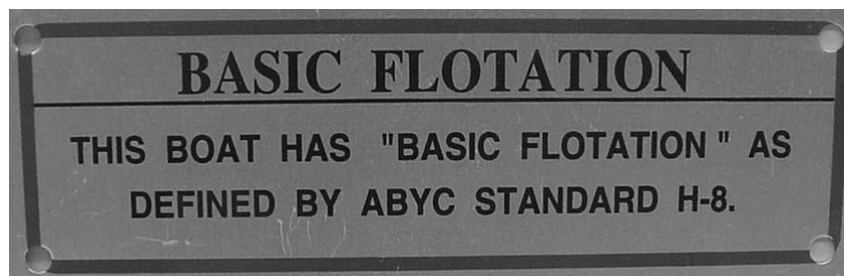
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## ***CERTIFICATION***

At the helm station you will find a NMMA (National Marine Manufacturers Association) Yacht Certification tag. This means your yacht complies with the Coast Guard safety standards. (NOTE: Any boat with an overall length of 26 feet or greater is defined as a “yacht” by NMMA.)



This label means your Grady-White is certified by the NMMA. With this tag, you are assured your fuel system, electrical system, lighting, ventilation, and steering are not only in compliance with the US Coast Guard regulations, but also meet the more stringent standards of the NMMA. The NMMA is a national trade organization serving all elements of the recreational boating industry including manufacturers of boating equipment. With this tag, you can have confidence in the safety of your boat.



This label means that Grady-White has designed and built your boat to the ABYC basic flotation standard H-8. Basic flotation is defined as having enough foam in the boat to create buoyancy and prevent sinking under swamped conditions.

## ***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 within the boat.



## CARBON MONOXIDE

### DANGER

**CO is produced by all gasoline engines and generator sets. Keep cockpit and cabin areas well ventilated and avoid blockage of exhaust outlets. Extended exposure to (CO) can cause brain damage or death. Signs of exposure include headache, nausea, dizziness, and drowsiness.**

Carbon Monoxide, commonly written CO, is a colorless, odorless gas emitted from any boat's exhaust. The gas is similar in weight to the air we breathe. Therefore, it cannot be expected to rise or fall, but will accumulate in confined spaces.

Carbon monoxide is **poisonous** and potentially **fatal** if breathed over an extended period of time. Symptoms of CO poisoning include: dizziness, nausea, headache, sleepiness, vomiting, throbbing in the temples, muscular twitching, and an 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 can accumulate in cabins and under canvas.** If your boat is equipped with a canvas that encloses the aft cockpit and propulsion equipment, do not operate the boat with this canvas closed.

Operators need to be aware of the influence of other boats on their vessel as well as the effects they have on neighboring crafts. Of primary concern is the operation of an auxiliary generator with boats moored along side each other. This situation creates an atmosphere which is filled with CO, and extremely dangerous.

### WARNING

***BE AWARE* of the affect 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

**Exhaust fumes from engines contain CO. Boats with canvas deployed are more likely to collect exhaust fumes. Keep cockpit and cabin areas well ventilated.**

# ***SAFETY***

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## ***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 page 8 of *Sportfish, Cruisers, Yachts Owner's Manual* for training options and page 23 for 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 3: General Information

### FUELING



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

Please study the following precautions carefully. Consult your dealer if you have any questions. Prior to your initial fill-up, check your engine manual to confirm the type of fuel specified by the manufacturer. Never use fuels containing alcohol. The alcohol can deteriorate the rubber materials used to make up your fueling system. Methanol based fuels absorb water making fuel more corrosive to the metals in tanks and carburetors. For outboards with an oil injection system, check the engine manual for the approved type of oil, and fill the tank completely.

### BEFORE FUELING

- Shut down all engines.
- Turn battery select switch(es) to “OFF” to insure that all fans, lights, etc. are off
- Close all ports, hatches, windows, and engine compartments to prevent fumes from accumulating in closed areas.
- Extinguish cigarettes and all other lighted materials.
- Have a fire extinguisher near.

### DURING FUELING

- Observe all safety regulations for the safe handling of fuel.
- Keep the fuel supply nozzle in contact with the fuel tank opening 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 clean up rags or sponges on shore. Do not store these clean up rags in the boat.
- 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).
- Select your first tank cautiously. Take into consideration the distribution of your load as fuel is consumed. Performance will be influenced by weight distribution. If your boat is equipped with two fuel tanks, use the fuel select valve (see “*Fuel Select Valve*” on page 3–2) to select the proper tank.

See warnings and check list in Section 6, page 37 of the *Sportfish, Cruisers, and Yachts Owner’s Manual*. Reference the “*Fuel Tank Compartment*” on page 6–6 for more information on cleaning the fuel storage area.

# GENERAL INFORMATION

## FUEL SYSTEM

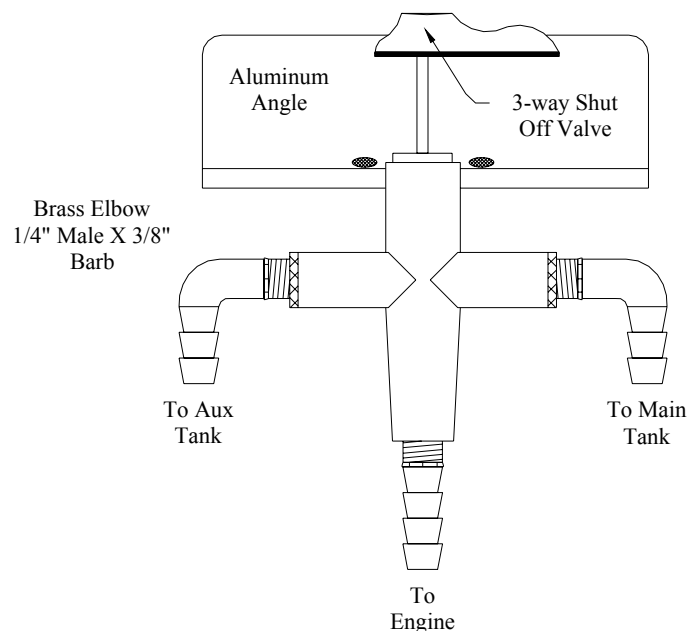
Inspect the fuel hoses, connections, and tanks for tightness, signs of leaks, and deterioration after fueling. Annually conduct a more detailed inspection of fuel system components, especially those hidden from routine inspection. Replace deteriorated hoses, clamps, connections, or fittings immediately.

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. If the problem persists, the likely cause is with the engine itself. If the problem goes away, the source must be in the boat 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.



## FUEL SELECT VALVE

If your boat is equipped with dual fuel tanks, you will have a manual fuel select valve installed. This valve allows you to choose from which tank fuel will be consumed. Remember, as the fuel is consumed and the fuel load redistributes, the performance will be influenced. Select the tank that allows the best performance for your boat.



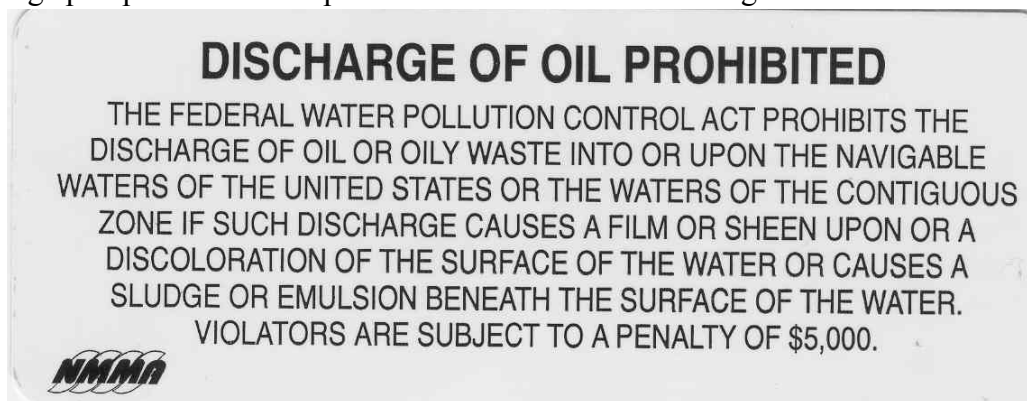
## GENERAL INFORMATION

### POLLUTION REGULATIONS

The U.S. Coast Guard defines restrictions on the discharge of oil or hazardous substances and plastics or garbage in the "Federal Requirements for Boating and Boating safety". You should have received this pamphlet when you registered your boat. Detailed below is a summary of those regulations. You should read the pamphlet and also become familiar with any local restrictions where you operate your vessel. Passengers or crew members aboard your boat should also be notified of these regulations.





#### Discharge Of Oil Or Hazardous Substances

The Federal Water Pollution Control Act prohibits the discharge of oil or hazardous substances which may be harmful into or upon U.S. navigable waters. Vessels 26 feet in length or over must display a placard at least 5" x 8" in a visible location in the bilge or near the bilge pump controls. The placard should state the following:



#### Disposal Of Plastics Or Garbage

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, 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.

<i>It is illegal for any vessel to dump plastic trash <b>anywhere</b> in the ocean or navigable waters of the United States. Annex V of the MARPOL TREATY is an</i>		<i>International Law for a cleaner, safer marine environment. Violation of these requirements may result in civil penalty up to \$25,000, fine and imprisonment.</i>	
	<u>3 to 12 miles</u>  <b>ILLEGAL TO DUMP Plastic</b> Dunnage, lining & packing materials that float, also if not ground to less than one inch: Paper Crockery Rags Metal Glass Food	<u>12 to 25 miles</u>  <b>ILLEGAL TO DUMP Plastic</b> Dunnage, lining & packing materials that float	<u>Outside 25 miles</u>  <b>ILLEGAL TO DUMP Plastic</b>
U.S. Lakes, Rivers, Bays, Sounds and <u>3 miles from shore</u> <b>ILLEGAL TO DUMP Plastic &amp; Garbage</b> Paper Metal Rags Crockery Glass Dunnage Food			
State and local regulations may further restrict the disposal of garbage.			

NMMA

# 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 is capable of adjusting your trailer properly.

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. Familiarize yourself with this manual and all aspects of your boat prior to initial launch. At the launch site, go through a pre-launch checklist. The list should be suited to your specific needs.

Trailering and relative information is provided in the *Sportfish, Cruisers, and Yachts Owner's Manual* in Section 9, page 94.

## PREDEPARTURE CHECKLIST

*Sportfish, Cruisers, and Yachts Owner's Manual* provides a checklist for predeparture on page 35.

## CASTING OFF AND APPROACHING 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. See page 43 in your publication of *Sportfish, Cruisers, and Yachts Owner's Manual*.

## TOWING

In the event of a mishap or power loss, you may need to tow a boat or have yours towed. Remember, 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. They have the strength and elasticity needed to absorb the shock of towing and sudden jerks. Individuals should never hold a towline — always secure it 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 into contact with the boat to prevent chafing. Attach a tow line to the bridle so that it can 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 to 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. Do not try to run in too close when passing the towline to the other boat. Send either a light line or attach the towline to a life preserver to be pulled in. Be aware of the other boat's propeller.

The towed boat should always have someone at the wheel since the boat may swing off course. Start the tow off slowly; a steady pull at a moderate speed should be used. It is important to keep the slack out of the propeller area. Watch the action of the towing boat. If excessive slack develops in the towline and contact is obvious, 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.**



## GENERAL INFORMATION

### SHALLOW WATER

Most boats that become grounded can be floated off with motor(s) tilted to reduce the draft at the transom. With motors tilted, try rocking the boat from side to side to break the suction of mud from the keel. Move passengers or heavy objects from the point where the boat is grounded. Do not lower or start the engines until the boat is clear of the ground. Refer to page 53 in *Sportfish, Cruisers, and Yachts Owner's Manual*.



#### 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.**

Be mindful of water level fluctuations when boating in water with tidal changes. If you are grounded on an incoming tide, wait until the tide is high enough to refloat your boat. However, on an outgoing tide, quick action should be taken to refloat your boat. If this is not possible, set an anchor to keep the boat from becoming driven further aground; set the anchor to counter the action of the wind or current. The anchor, in some cases, can also be used to pull the boat free.

Many inland areas have rocks and stumps which could crack or puncture a fiberglass hull. Be familiar with the boating area, and use caution in shallow water.

### 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. See page 46 in *Sportfish, Cruisers, and Yachts Owner's Manual* for more information on anchoring.

#### NOTICE

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



#### 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**

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## **GENERAL INFORMATION ON BOAT HANDLING**

The best method of learning how to handle and obtain the best performance from your boat is to practice and experiment. After several hours of operation, you should experiment with the throttle settings to discover the setting that will be the most comfortable and economical range for your particular loading conditions.

We suggest you make a speed/RPM chart in order to obtain the most economical operation. Operate the boat at various speeds while monitoring the fuel consumption. Determine the amount of operating time remaining when the fuel gauge has only one bar remaining on the display. Make a log of this type of information, and have it available when using your boat. Other 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.
- Acceleration 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 *Sportfish, Cruisers, Yachts Owner's Manual* beginning on page 49 for information on safe operating speed.

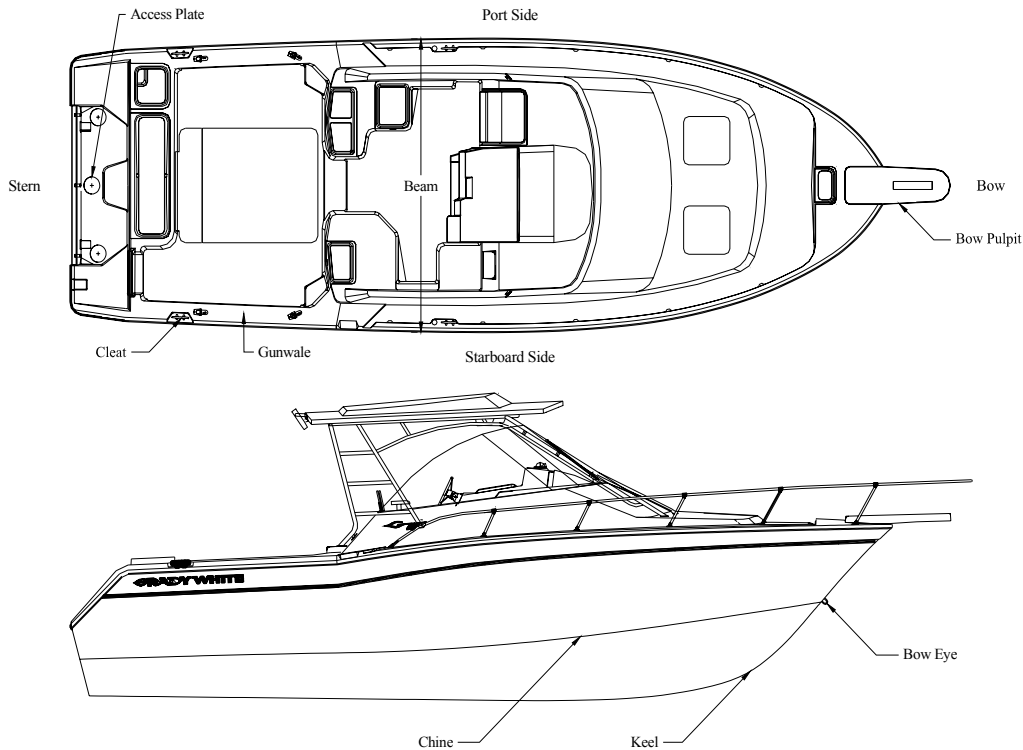
## **TWIN ENGINE BOATS**

Twin engine boats are easy to maneuver. The boat will run ahead or backward in a straight line when both engines are working together at the same speed. The engines also 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 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 inspection.

**Aft** - toward the rear or stern of the boat

**Beam** - the greatest width of the boat

**Bilge** - the lower interior area of the hull

**Bow** - the forward section of the boat

**Bow Eye** - a U-shaped hull fitting used to attach the trailer winch to the boat

**Bulkhead** - vertical partition in the boat

**Chine** - point where the topside and bottom of the boat join

**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** - distance measured between waterline and deck

**Gunwale (Gunnel)** - point where the deck and hull join

**Hatch** - an opening in the deck to provide access below

**Headroom** - vertical distance between the floor and over head structure or canopy ceiling

**Hull** - major component that provides a watertight platform buoyant enough to float a craft and its load

**Keel** - the major longitudinal member of a hull -the lowest external portion of the boat

**Knot** - a measurement of speed equal to nautical miles per hour

**Lee** - the side that is sheltered from the wind

**List** - a 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 and 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** - rear of the boat

**Stringer** - longitudinal members fastened inside the hull to add rigidity and strength

**Wake** - the movement of water created by a moving boat

**Windward** - side facing the direction of the wind (against the wind)



## Chapter 4: 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, page 65 in *Sportfish, Cruisers, Yachts Owner's Manual*, for additional suggestions on adjusting performance.

#### Engine Efficiency

Engines operate most efficiently at the RPM confirmed in the engine operating manuals, assuming your boat is equipped with the correct engine(s), the engine(s) are properly tuned, and the drive system(s) are in good condition. Efficiency will decrease if normal care and maintenance is not performed. Neglecting the engines will cause power to drop and speed to decrease. In addition, expensive repairs may become necessary. Be sure to follow all instructions in the engine operation manual(s).

#### Weather Conditions

Weather conditions affect engine performance. Barometric pressure and humidity both influence horsepower. A change of weather could cause a 10% loss in horse power on some hot days.

#### Load Distribution

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

#### Marine Growth

Maximum performance is obtained only 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. Reference *"Cleaning" on page 6-1* for more information on cleaning your hull bottom.

#### 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 boats planing performance and running attitude. See Power trim in *Sportfish, Cruisers, Yachts Owner's Manual* on pages 52 and 72.

Trim refers both to the weight distributions inside the boat and to the angle of thrust of the drive unit. The angle of thrust of the drive unit forces the bow up or down. The trim tabs on your boat also control the trim of the boat, similar to the power trim. Refer to the Trim Tabs section in Chapter 8 for additional information.

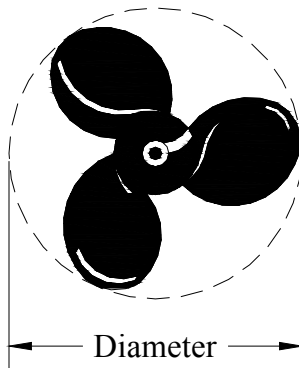
## PERFORMANCE

### Propeller

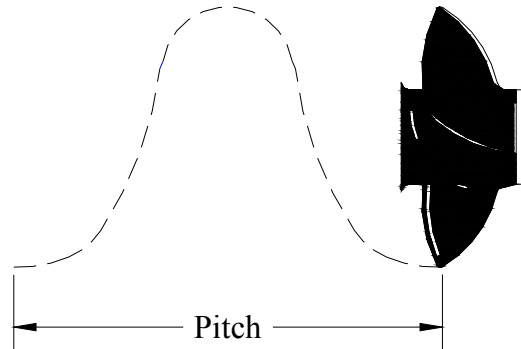
The condition of your prop has a major influence on the performance of your boat. Your engine(s) should be equipped with the best size prop for normal conditions. Unusual uses or weight conditions may require special props. A damaged prop can affect your boat's top speed, cause vibrations, create a sudden drop in RPMs, or even increase fuel consumption.

#### ! CAUTION

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



**Diameter = 14**



**Pitch = 14**

Diameter and pitch are the two basic dimensions of a propeller. Diameter is the distance across the circle made by the blade tips as the propeller rotates. Pitch is the theoretical (not accounting for slippage) forward distance the propeller would move in one revolution. An example of a propeller dimension would be 14 X 17 for a propeller having a diameter of 14" and a pitch of 17".

### **PROPULSION SYSTEM – OUTBOARD**

The engine manufacturer supplies all vital information concerning your engine(s) in the Operation and Maintenance Manual(s). 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 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 dangerous gas which is 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***

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## ***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 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 resulting in unresponsive steering. The oil level should always be within one-half 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.

Any moving mechanical linkages, sliders, etc. should be greased as needed with a high quality marine grease. Refer to the manufacturer's steering manual for specific recommendations and additional maintenance.

Any slow or sudden 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 an authorized repairman.

- **Power Assist Hydraulic Steering**

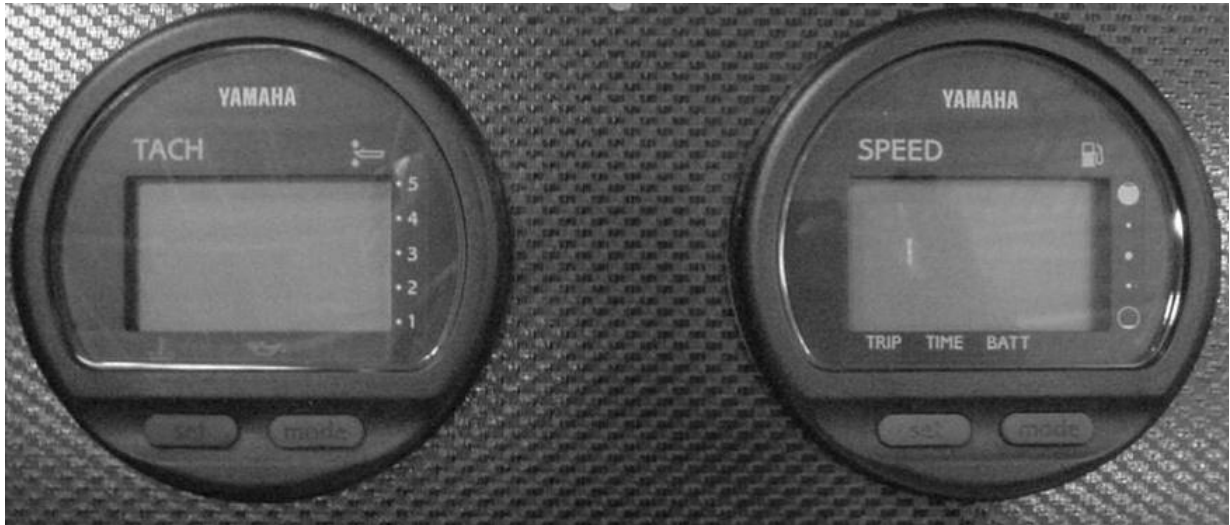
The engine ignition switches must be on for this system to function. The power assist hydraulic pump is activated simply by turning the steering wheel. The hydraulic pump senses the motion of the hydraulic fluid from the helm and pumps fluid in the cylinders at the engine accordingly. The power assist pump is installed in the starboard aft berth rigging compartment and can be accessed via the access panel in the aft berth wall. The power source for this pump is the bow thruster battery located behind the helm table. Over-current protection is provided by a 35A fuse located near the bow thruster battery. This system is compatible with multiple steering stations and the use of an autopilot. Refer to the owner's manual in your owner's packet for more information.

- **Tilt Steering**

This feature enables the operator to tilt the wheel up or down. Refer to the steering system's owner's manual for information on oil levels with tilt steering.

## Chapter 5: Gauges and Switches

### Yamaha Engine Instrumentation



#### DIGITAL SPEEDOMETER

- **Battery Voltage Indicator**

This feature indicates the battery charge when the engine(s) are off and the alternator output when the engine(s) are running. A reading of 12 or 13 volts with the engine(s) off 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(s) are 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 the gas tank(s) fuel level. Remember two things when reading this gauge:

- The accuracy of your gauge varies with the attitude of your boat in the water (trim or list).
- 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.**

- **Low Fuel Warning Indicator**

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

## ***GAUGES AND SWITCHES***

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- **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 intake strainer 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.

- **Hour Meter**

This feature records the cumulative number of hours the motor has been in use.

### ***DIGITAL TACHOMETER***

- **Oil Level Warning Light**

Refer to your engine owner's manual for information regarding oil level and the warning light.

- **Revolutions Per Minute (RPM's)**

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 on the fuel management gauge 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**

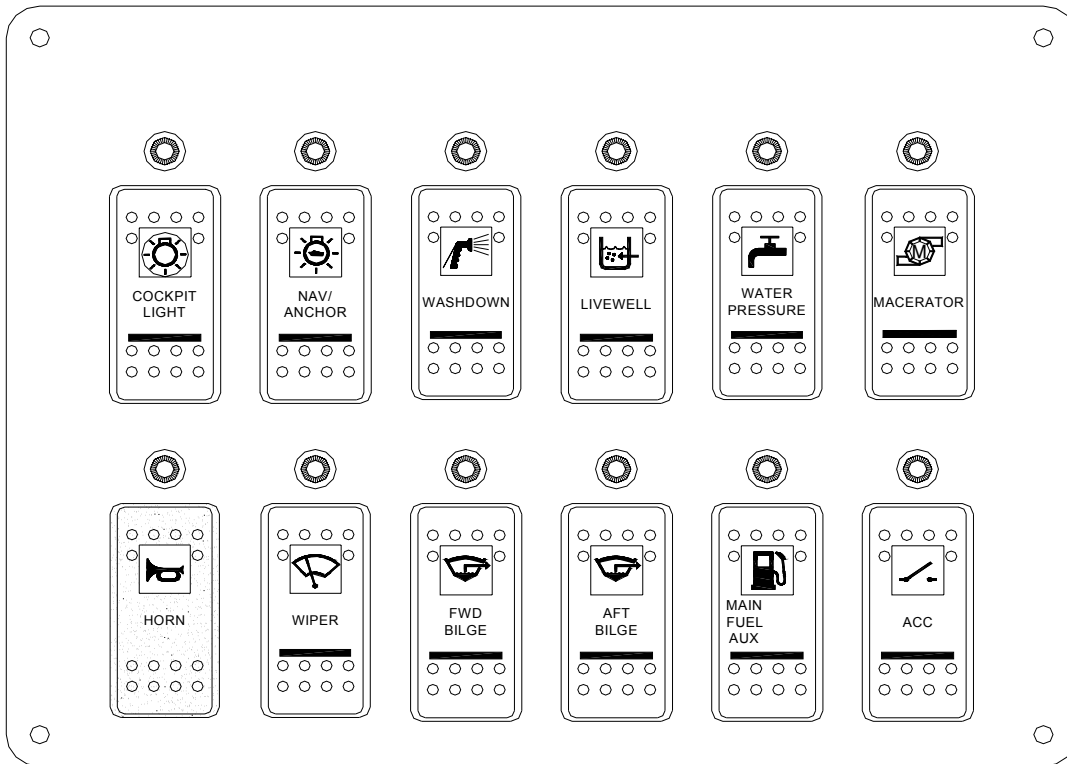
The totalizer feature displays the amount of fuel consumed since it was last set. To reset the totalizer, press the SET and MODE buttons together.

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 engine owner's manual.



### Switch Panel

At the helm station you will find an accessory switch panel; not all boats are equipped with the same accessories. Consult your dealer for specific information or questions on the accessories included on your boat. More detailed descriptions of switch functions are located in Chapter 8 of this manual.



This represents a generic switch panel layout. Actual panels will differ depending on the boat model and optional accessories installed during manufacturing.



## *Chapter 6: 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, type of 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 uniform thickness resulting in a much stronger boat than ones constructed of “chopped glass”. This process ensures your Grady-White is the strongest, most durable fiberglass boat possible.

The bilge areas should be kept clean and dry. Leaks found early and corrected will less likely cause damage. Do not allow grease and dirt to build up in the bilge.

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.

### **BOTTOM PAINT**

If your boat is left in the water for more than a few days at a time, the hull bottom below the waterline should be painted with anti-fouling paint to protect it from marine growth and barnacles that hinder performance. Since anti-fouling paint slowly dissolves, yearly inspection and cleaning of the boat bottom is advised to prevent marine growth — repaint when necessary. Use an epoxy barrier coat applied in conjunction with the anti-fouling paint to help prevent blistering.

### **EXTERIOR FIBERGLASS FINISH**

The exterior finish of your Grady-White is a thin layer of resin with a finished color pigment called gelcoat. It 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 Grady-White boat is similar to the care you would give your automobile. Do not use caustic, highly alkaline cleaners or those containing ammonia. These cleaning agents may darken gelcoat. The resulting stain is 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. Soil build-up is the result of use and environmental pollutants. Clean the boat regularly with a mild household detergent and plenty of fresh water. Use a sponge on smooth surfaces including the deck and a brush on the nonskid. Rinse away all grime and residue.

# MAINTENANCE AND SERVICE

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## Finishing/Waxing

Gelcoat can lose its gloss due to constant exposure to the natural environment and pollutants. It will require special attention to restore the original gloss and color. See a local dealer for advice on wax for your boating region. The wax film will seal the pores as well as enhance the looks of your boat. **DO NOT wax surfaces that may be walked on; they will become slippery.** While waxing your boat, inspect the surface for any damage. Have the damage corrected as soon as possible.

Gelcoat will age or dull naturally. Discolorations are shallow in depth. Factors that will affect the rate of discoloration are: the sun, pollution, old wax accumulation, and the salt content of 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 process below will help restore fiberglass finishes:

- 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 lamb’s 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 away compound with clear water and 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 cracking (crazing) over time. It is elastic enough 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 acquired through your dealer. Instructions are included in the patch kit.

#### WARNING

**M.E.K.P. (Methyl ethyl ketone peroxide), gelcoat, and acetone are flammable and hazardous chemicals that must be handled properly. Follow instructions carefully. After the gelcoat is catalyzed it will soon 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.**

### 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 waterproof, your upholstery should be stored in the cabin or covered when not in use. Exterior cushions will trap moisture between themselves and the gel coat. If a cushion is not removed to allow the moisture to dry, blistering of the gel coat may occur. Cockpit bolsters may be removed if you desire. These bolsters clip onto brackets mounted to the deck structure. Screws are then installed through the underside of the bolster to hold them in place. 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 the cabin fabrics.**

### DURATRIM/POLYETHYLENE/PLEXIGLAS

Duratrim and polyethylene are used for toe rails, trim, cutting boards, lids etc. Maintenance of your duratrim should include regular cleaning with soapy water. Apply a surface protector at least twice per year. Polyethylene can be cleaned with products such as 409 or any spray and wipe cleaner. Plexiglas, used to cover your instruments radio box and also as interior storage doors, can be maintained by use of a glass cleaner and a soft cloth.

### HARDWARE MOUNTING

Ensure all holes are sealed properly when mounting hardware in boat surfaces. Sealing will prevent water leakage. That is extremely important in fiberglass areas that have been reinforced with plywood. A hole sealed improperly allows water inside the fiberglass leading to saturation of the plywood reinforcement.

# MAINTENANCE AND SERVICE

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## CANVAS

Grady-White's canvas is made using the highest quality vinyl and latest sewing techniques. The canvas will not be completely leak proof. The seam holes in your canvas may stretch and tend to leak. However, you can correct this problem by applying \*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 guidelines:

Fabric should be cleaned regularly to prevent the buildup of soil and soil penetration. Simply brush off any loose dirt, hose down 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 canvas from the 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 common kitchen 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. Water repellent was applied to your canvas during manufacturing. Some of the repellent may have diminished after extended cleaning; re-treatment of the fabric is recommended. Do not use wax-based products; use a water based repellent like Apseal® or Uniseal™. Scotchguard® is effective for short-term use only.

### Snaps And Zippers

To protect the snaps and zippers on your boat's canvas and cushions, Grady White includes a snap/zipper assist tool and a tube of lubricant (E-Z Snap™) in your owner's packet. The lubricant, manufactured by IOSSO (part number 10909), should be applied per the manufacturer's directions during the initial use of your canvas and cushions. The lubricant should be reapplied every 3 months or sooner depending on your boating environment and usage. The snap/zipper assist tool included in your owner's packet should be used whenever you remove the canvas, cushions, or operate the zippers to prevent damaging or tearing the material. In the event you need to replace your assist tool or reorder the lubricant, contact your dealer.

### 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 front and side panels and **roll** them for storage. This procedure is necessary to prevent the front and side vinyl pieces from cracking. **NEVER FOLD THESE PIECES!**

### *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. Periodically inspect the caulking or gaskets for leaks. Recaulk or replace the gaskets when necessary, or have your dealer do the repairs.

### *STAINLESS STEEL RAILS & HARDWARE*

Your hardware is made of laboratory grade 316 stainless steel and needs regular cleaning to maintain its “less staining” properties. The key to maintaining stainless steel is to keep it clean with a mild solution of soap and fresh water. Remove salt or dirt from your stainless steel on a regular basis.

### *FUEL SYSTEM MAINTENANCE*

To determine whether a fuel flow problem is in your fuel system or your engine, follow this simple method. Connect a six-gallon portable tank to the 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 it with a regular barb.

Do not use fuels containing alcohol. Alcohol, particularly methanol, will absorb water making fuel more corrosive to metals in tanks and carburetors. It also shortens the durability of elastomers such as hose and gaskets.

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

### *FUEL TANK COMPARTMENT*

The fuel tank compartments need to be rinsed periodically especially when used in a salt-water environment. Dirt accumulation attracts salt that creates salt crystals. Salt crystals can corrode most metal surfaces if left untreated over a period of time. Rinse the compartment with **FRESH** water to help protect your fuel tank from rust and corrosion. Remove the access plates from fuel tank lids and inspect this area for leaks or unsecured lines.

The access plates on your fuel compartment lid seal this area. Over time the opening and closing of these plates cause the o-rings to wear-out. Replace these o-rings as necessary to maintain the watertight integrity of the plates.

### *SHOWER SUMP*

A shower in the head compartment drains into a contained “sump” which is used to prevent hair, soap scum, and bacteria from accumulating in the bilge and creating odors. This sump should be cleaned regularly. The sump pump box contains a filter; remove the 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.

# ***MAINTENANCE AND SERVICE***

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## ***SCUPPERS***

Grady-White boats have self-bailing cockpits. This means water on the cockpit floor drains by gravity through large aft scuppers and **NOT** into the bilge. The aft drains or scuppers have an external 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.

## ***MAINTENANCE PROCEDURE FOR ANODIZED ALUMINUM COMPONENTS (Rod Holders, Hardtop Frames, Outriggers, Etc.)***

Due to the nature of anodized aluminum and the harsh exposure conditions of the marine environment, it is important to follow a required maintenance procedure. Failure to follow a preventative maintenance procedure will most likely result in aluminum pitting.

These parts must be washed periodically with a very mild soap and water solution. Grady White recommends washing with a mild soap (such as Ivory Liquid) after each use and every two to three weeks if stored in an outside marine environment. Strong cleaners and soaps must not be used; never use abrasive cleaners or products that contain chlorine bleach. These products can remove the anodized coating.

Give special attention to the upper tubes of your hardtop frame. The area just below the top is shielded by the fiberglass top and does not receive the natural rinse that rainwater provides. Failure to thoroughly clean and maintain this area will allow contaminants that attack the anodized aluminum to remain on the frame.

For maximum protection, coat parts with a non-abrasive metal protector. The best protectors will displace moisture, remove contaminants, and leave a wax film protecting the anodized aluminum. Follow the application guidelines for the product you choose. A sample of one metal protector has been provided with your boat.

### ***METAL PROTECTORS:***

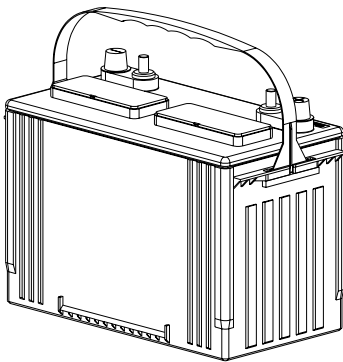
Boeshield T-9.	Aluma Guard	Premier Polish
PMS Products Inc.	Rupp Marine, Inc.	Aquatech
76 Veterans Dr. Unit 110	4761 Anchor Ave.	6726 Netherlands Drive, Suite 200
Holland, MI 49423	Port Salerno, FL 34992	Wilmington, NC 28405
800-962-1732	561-286-5300	800-853-7760



# MAINTENANCE AND SERVICE

## BATTERIES

Proper battery power is essential to the operation of your vessel. For this reason, Grady-White has carefully chosen a battery with cranking ability and reserve capacity sufficient to meet your needs. The factory installed Deka Marine Master 27M6 battery is a maintenance free battery. This battery utilizes an exclusive demineralized electrolyte and maintenance free calcium alloy grids. These features reduce water loss and extend the life of the battery. However, this battery is maintenance accessible should a charging malfunction occur. If your boat is equipped with batteries not installed at the factory, consult with the battery manufacturer for proper care and maintenance instructions. Batteries must be secured in a non-metallic tray to contain electrolyte spills. An insulated boot should cover battery terminals. 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 or corrosion preventative.



Batteries contain sulfuric acid, a harmful and potentially volatile chemical. When handling batteries, exercise caution and follow these guidelines.

- Avoid contact between skin, eyes, or clothing and sulfuric acid.
- Protective gloves, eye wear, and clothing should be worn when servicing to minimize risk to yourself.
- Batteries produce explosive gases. Keep sparks, flames and cigarettes away. Ventilate when charging or using in an enclosed space.
- Keep out of reach of children

This is not a complete set of guidelines. It is your responsibility to safely maintain your batteries and avoid injury. Use good judgement and remain alert to prevent an accident. In the event of an accident or exposure to electrolyte, immediately seek prompt medical advice or attention.



### WARNING

**Do not allow any electrically conductive material to make contact with both the positive and negative terminals at the same time (i.e. a hand tool used when disconnecting and reconnecting battery cables). A short of this nature can cause severe burns and create dangerous sparks which could result in personal injury and/or property damage.**



### 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 these connections will immediately damage your system.**

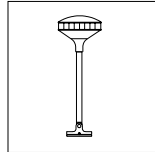
**Never disconnect the battery when the engine is running. This can cause damage to the charging system. When replacing your battery, use the same brand and type as the factory installed battery. If this is not available, reference your engine Owner's Manual for recommended battery type and required performance specifications.**

# MAINTENANCE AND SERVICE

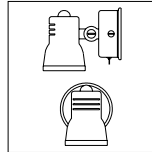
## Light Bulb Replacement Guide

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.

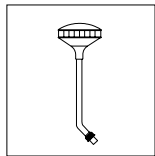
The following are Registered Trademarks: Attwood, GE, Guest, Perko, Phillips, Scandvik, and Sylvania.



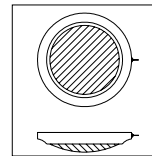
Reduced Glare Hardtop Mast Light  
Light Manufacturer: Perko  
Replacement Bulb #: Perko 71 DP CLR



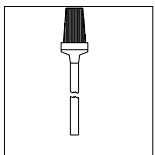
Reading Light (Cabin)  
Light Manufacturer:  
Replacement Bulb#:



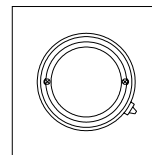
Top Mount Light (Windshield)  
Light Manufacturer: Perko  
Replacement Bulb #: Perko 338 DP2 CLR "Reduced Glare"



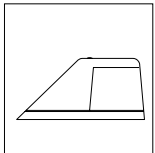
Dome Light  
Light Manufacturer:  
Replacement Bulb #:



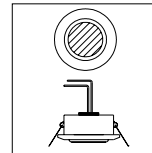
Stern Pole Light  
Light Manufacturer: Perko  
Replacement Bulb #: Perko 337 012 DP



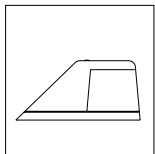
Dome Light  
Light Manufacturer: Perko  
Replacement Bulb #: Perko 337-013 DP



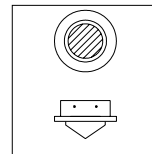
Combination Bowlight Light  
Manufacturer: Attwood  
Replacement Bulb #: Attwood 912717  
GE 2641L



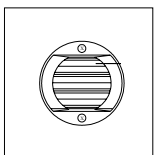
Recessed Light  
Light Manufacturer:  
Replacement Bulb #:



Separate Bowlight Light  
Manufacturer: Attwood  
Replacement Bulb #: Attwood 912717  
GE 2641L



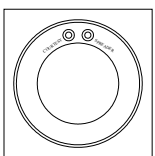
Recessed Light  
Light Manufacturer:  
Replacement Bulb #:



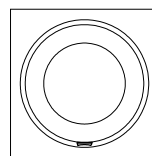
Cockpit Light  
Light Manufacturer: Attwood  
Replacement Bulb #: Attwood #90



Rail Light (Galley & Head)  
Light Manufacturer: Scandvik  
Replacement Bulb #: THHC Lighting XELOGEN G4F1210XH



Night Vision Dome Light  
Light Manufacturer: Guest  
Replacement Bulb #: Guest P-13650  
GE 912



Night Vision Dome Light (360 only)  
Light Manufacturer: Guest  
Replacement Bulb #: 12V 10W Halogen Bulb

## ***MAINTENANCE AND SERVICE***

### ***Accessory Wiring Color – Fuse/Breaker Sizes***

<b>Accessory</b>	<b>Wire Size &amp; Color</b>	<b>Amperage</b>	<b>Fuse/Breaker Location</b>
<b>Lights</b>			
<b>Bow Lights</b>	14 ga. Gray	10.0	Helm Accessory Panel
<b>Cabin Lights</b>	16 ga. Blue/Green	20.0	AC/DC Panel
<b>Cockpit Lights</b>	16 ga. Blue/Yellow	10.0	Helm Accessory Panel
<b>Hard Top Dome Light</b>	16 ga. Blue/Gray	5.0	Fuse Block
<b>Livewell Light</b>	16 ga. Blue/Red	w/ Livewell Pump	Cockpit Accessory Panel
<b>Mast Light</b>	14 ga. Gray/Red	10.0 w/ Bow Lights	Helm Accessory Panel
<b>Panel Lights</b>	16 ga Dark Blue	w/ Nav. Lights	Helm Accessory Panel
<b>Spreader Lights</b>	14 ga Dark Blue/White	10.0	Cockpit Accessory Panel
<b>Pumps</b>			
<b>Bilge Pump (Aft):</b>			
<b>Attwood 1700</b>	16 ga. Brown	10.0	Helm Accessory Panel
<b>Auto Float Switch (Aft)</b>	16 ga. Brown/White	10.0	Battery Select Box
<b>Bilge Pump (Forward):</b>			
<b>Attwood 1700</b>	16 ga. Brown/Black	10.0	Helm Accessory Panel
<b>Auto Float Switch (Forward)</b>	16 ga. Brown/Red	10.0	Battery Select Box
<b>Head Pump (Discharge)</b>	14 ga. Orange/Gray	10.0	AC/DC Panel
<b>Head Pump (Vaccum)</b>	14 ga. Orange/Red	10.0	AC/DC Panel
<b>Livewell Pump: Century 1100 GPH</b>	16 ga. Orange/Brown	6.0	Cockpit Accessory Panel
<b>Power Assist Pump</b>	8 ga. Red	40.0	Bow Thruster Battery Compartment
<b>Shower Sump Pump (Float Switch)</b>	16 ga. Brown/Orange	2.5	AC/DC Panel
<b>Washdown Pump</b>	12 ga. Orange/Brown	15.0	Cockpit Accessory Panel

## ***MAINTENANCE AND SERVICE***

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<b>Water Pressure Pump</b>	<b>12 ga. Orange/Blue</b>	<b>15.0</b>	<b>AC/DC Panel</b>
<b>Anchor Windlass</b>			
<b>Main Positive</b>	<b>2 ga. Red</b>	<b>90.0</b>	<b>Battery Select Box</b>
<b>Positive to Switches</b>	<b>14 ga. Red</b>	<b>5.0</b>	<b>In-line @ Solenoid</b>
<b>Down</b>	<b>14 ga. Green/Orange</b>		
<b>Up</b>	<b>14 ga. Blue/Orange</b>		
<b>Windshield Wiper System</b>			
<b>Power to wiper panel / Motor park</b>	<b>14 ga. Orange</b>	<b>15.0</b>	<b>Fuse Block</b>
<b>Port</b>	<b>14 ga. Orange/Green</b>		<b>Wiper Control Panel</b>
<b>Center</b>	<b>14 ga. Orange/Purple</b>		<b>Wiper Control Panel</b>
<b>Starboard</b>	<b>14 ga. Orange/Black</b>		<b>Wiper Control Panel</b>
<b>Washer Solenoid Valves</b>	<b>14 ga. Orange/Pink</b>		<b>Wiper Control Panel</b>
<b>Miscellaneous</b>			
<b>12 Volt Accessory Outlets</b>	<b>10 ga. Red/Orange</b>	<b>15.0</b>	<b>Fuse Block</b>
<b>Accessory Negatives (Branch)</b>	<b>1 Black</b>	<b>N/A</b>	
<b>Accessory Negatives (Mains)</b>	<b>2/0 or 6 ga. Black</b>	<b>N/A</b>	
<b>AC/DC Panel Meter Negative</b>	<b>16 ga. Black/Yellow</b>	<b>N/A</b>	
<b>Blower (Bilge)</b>	<b>10 ga. Brown/Yellow</b>	<b>4.0</b>	<b>AC/DC Panel</b>
<b>Bow Thruster Positive</b>	<b>4/0 Red</b>	<b>400.0</b>	<b>Bow Thruster Battery Compartment</b>
<b>CO Detectors</b>	<b>16 ga. Red/Black</b>	<b>1.0</b>	<b>In-line @ Positive Bus</b>
<b>Constant 12V</b>	<b>16 ga. Red/Pink</b>	<b>10.0</b>	<b>Battery Select Box</b>
<b>DC Main Positive</b>	<b>2/0 Red</b>	<b>50.0</b>	<b>Battery Select Box</b>
<b>DC Panel "Main" Positive</b>	<b>6 ga. Red</b>	<b>50.0</b>	<b>AC/DC Panel</b>
<b>Electronics Box Ram</b>	<b>16 ga. White</b>	<b>10.0</b>	<b>Accessory Panel</b>
<b>Fuse Block Positive</b>	<b>6 ga. Red</b>	<b>N/A</b>	
<b>Fuel Grounds</b>	<b>16 ga. Green</b>	<b>N/A</b>	
<b>Fuel Tank Sender (Aft)</b>	<b>16 ga. Pink/White</b>	<b>N/A</b>	

## *MAINTENANCE AND SERVICE*

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<b>Fuel Tank Sender (Fwd)</b>	<b>16 ga. Pink</b>	<b>N/A</b>	
<b>Generator Cranking Lead</b>	<b>4 ga. Red</b>	<b>100.0</b>	<b>Main Battery Compartment</b>
<b>Hard Top Negative (Main)</b>	<b>10 ga. Black/Blue</b>	<b>N/A</b>	
<b>Head Vent</b>	<b>16 ga. Brown/Green</b>	<b>3.0</b>	<b>Fuse Block</b>
<b>Horn</b>	<b>12 ga. Orange/White</b>	<b>15.0</b>	<b>Helm Accessory Panel</b>
<b>Hydraulic Trim Tabs</b>	<b>14 ga. Orange</b>	<b>20.0</b>	<b>Fuse Block</b>
<b>i1000 Positives</b>	<b>8 ga. Red</b>	<b>30.0</b>	<b>Main Battery Compartment</b>
<b>i1000 Negatives</b>	<b>8 ga. Yellow</b>	<b>N/A</b>	
<b>Center Engine Isolator Lead</b>	<b>6 ga. Red</b>	<b>35.0</b>	<b>Bow Thruster Battery Compartment</b>
<b>Ignition Signal (i6000 &amp; Power Assist)</b>	<b>16 ga. Purple</b>	<b>N/A</b>	
<b>Seakey Float</b>	<b>16 ga. White/Red</b>	<b>N/A</b>	
<b>Stereo</b>	<b>16 ga. Red</b>	<b>10.0</b>	<b>AC/DC Panel</b>
<b>TV/DVD</b>	<b>10 ga. Red/Green</b>	<b>10.0</b>	<b>AC/DC Panel</b>
<b>Windshield Vent</b>	<b>16 ga. White/Green</b>	<b>10.0</b>	<b>Helm Accessory Panel</b>

1 Wire gauge is the same as the gauge of the power wire to the corresponding component.



## Chapter 7: Winterization and Storage

### GENERAL

Boats stored during the winter or for an extended period of time require some routine maintenance. The boat and its systems should be checked for maintenance and repairs prior to and during the storage process. Arrange repairs during the storage period.

Avoid costly damage and delay when launching your boat by having it stored and winterized properly. This information is presented as a general guide; the actual storage should be performed by a professional and qualified dealership.

### BOAT STORAGE

To avoid personal injury and property damage, it is advised to take extra precautions when lifting or moving your boat for storage. Grady-White Boats are equipped with stern lifting eyes and a bow towing eye. These eyes are provided for moving and temporary lifting. For permanent lifting, you will need to have or add a bow lifting ring option. Use slings for lifting your 300 Marlin, 330 Express, or 360 Express. Eyes should be inspected regularly to insure structural integrity.



#### WARNING

**The boat should not be stored by using the pad eyes unless the boat is equipped with a bow lifting ring. 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.



#### WARNING

**The 300 Marlin, 330 Express, and 360 Express should not be lifted by the pad eyes. Use slings to lift these models.**

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.

## WINTERIZATION AND STORAGE

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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.



### 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 the boat before storage. If your boat stays in the water, there may be a layer of growth on the bottom. This debris will harden as it dries. Clean, scrub, and scrape the bottom promptly when the boat is removed from the water. Thoroughly 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 bottom for damage.

Check cleats and rails for corrosion and tightness. Clean all stainless steel as directed under “*Cleaning*” on page 6–1. Use a good quality metal preservative like T-9® on all metal surfaces to prevent salt water damage. Check all hinges for corrosion — lubricate hinges as necessary. 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.

### DRAINING AND WATER SYSTEMS

If the boat is stored out of water, remove the garboard drain plug 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 the tank is empty, turn the water pump off to prevent damage — residual water will not damage the tank. The water heater must be drained individually after emptying the water tank. Drain the water heater by opening the drain faucet on the water heater. If desired, the fresh water system may have a non-toxic antifreeze for potable water systems added.

To drain other lines, close seacocks and run the pumps until the lines are dry. Open the seacocks after lines are dry. Draining will help prevent water stagnation in warmer climates.

### HEAD SYSTEM

Empty toilet and holding tank making sure all water is cleared. Reference Owner’s Packet for manufacturer’s information on winterization. Water should be removed from deck pump-out lines.



# ***WINTERIZATION AND STORAGE***

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## ***FUEL SYSTEM***

The compartments that house the fuel tank(s) should be rinsed with fresh water to keep salt crystals from forming and corroding the fuel tank(s). After rinsing, make sure all water is drained from the compartments.

Do not use fuel that contains alcohol as it will absorb humidity. The resulting condensation will separate from the fuel as winter temperatures drop. An accumulation of this condensation can lead to corrosion. There are 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.

## ***BATTERIES***

Fully charge the batteries before storing. A weak battery loses its charge more rapidly than a strong battery. After charging is complete and the batteries have cooled, check the electrolyte level in your batteries. Ideally, you should disconnect the batteries and cover the terminals with grease to prevent corrosion. In extremely cold climates, batteries should be removed from the boat and stored in a warm dry area.

When replacing batteries in the boat, remove excess grease from terminals and charge as necessary before reinstalling.

## ***ENGINES***

Check your engine Owner's Manual regarding the procedures for winterizing the engines. Follow these important instructions carefully and your engines should survive most weather conditions. Change all filters and check hoses, clamps, and belts. If you notice 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 electronics inside. A built-in compass should be covered. Ultraviolet rays from the sun will “cloud” the compass and make it difficult to read.
- All equipment should be winterized as directed in the manufacturer’s manuals.
- Store cushions indoors to prevent mildew.
- Clean the exterior and interior of the boat. Remove all grease, oil, salt spray, etc.
- Remove all garbage. Clean the refrigerator, cabinets, lockers/storage, fishboxes, and livewells. The lids and doors should be propped open for ventilation.
- Empty the toilet and holding tank. Flush with fresh water.
- Lubricate all hinges, valves, the backs of electrical panels, and other surfaces that may rust.
- Check underwater items. Hardware should be in good condition and tight.
- Inspect electrical systems and have any repairs performed.

# ***WINTERIZATION AND STORAGE***

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## ***GETTING BOAT OUT AFTER STORAGE***

Before placing your boat in the water for the boating season, have the hull bottom sanded and reapply anti-fouling bottom paint if necessary. Leave as much equipment and personal effects as possible off the boat until after launch and final check.

## ***PRIOR TO LAUNCHING***

Start your own personalized list of items to check and perform prior to placing your boat in the water. The following list will give you some ideas and suggestions:

- Check all gear and replace if necessary.
- Check thru hull fittings for cleanliness, damage, and tightness.
- Check prop installation and tightness.
- Clean battery terminal posts with a wire brush or bronze wool. Install batteries, attach cables, and tighten. Apply grease to post to exclude air and acid.
- Check all wire connections for contact corrosion and tightness.
- Check hull valves for easy operation and for condition of hose.
- Check operation of bilge pumps in manual and automatic modes.
- Check shower sump pump.
- Check operation of all AC (if applicable) and DC circuits.
- Check the hose and lines on the fresh water system; install drain plug and close drain valves.
- Perform maintenance on engines according to the manufacturer's manuals prior to returning them to service.
- Check all engine and steering control cables and linkage for operation. Lubricate cables and linkage as necessary.

## ***AFTER LAUNCHING***

- With the boat in the water, check all sources of possible leaks stem to stern.
- Fill fuel system; thoroughly check the fuel system including lines, fittings, connections, valves, and filters for leaks.
- Fill fresh water system and check for leaks.
- Connect to shore power. Check out all electrical equipment, lights, hot water heater, air conditioning system, etc.(these are optional on some models and may not apply to your boat).
- Check operation of toilet (reference manufacturer's manual).
- Check safety equipment including flares, fire extinguisher and first aid kits. Replace items as necessary.
- Test run engines and generator (if installed) as directed in manufacturer's manual.

## Chapter 8: 360 Express

### Specifications

Beam-Amidship.....	13' 2"
Bridge Clearance W/Hardtop .....	10' 6"
Keel To Top Of Windshield Bar .....	11' 9"
Centerline Length .....	36' 7"
Centerline Length W/Bow Pulpit .....	39' 3"
Fresh Water Capacity.....	65 Gallons
Fuel Capacity - Main .....	190 Gallons
Fuel Capacity - Aux.....	180 Gallons
Hull Draft.....	29"
Engine Shaft Length .....	O/B: 25"
	Center: 30"
Transom Width .....	11' 4"
Dry Weight .....	14,550 Lbs
Steering Type .....	Hydraulic Tilt w/ Power Assist
Steering Hose Lengths.....	Helm to power assist– 13'
	Compensating line – 12'
	Power assist to tees – 15'
	Tee to port cylinder – 6'
	Tee to stbd cylinder – 9'
Control Cable Lengths.....	Port throttle – 28'
	Port shift – 27'
	Center throttle – 26'
	Center shift – 25'
	Starboard throttle – 24'
	Starboard shift – 23'
Maximum Outboard HP .....	750 HP

### Optional Features

#### ACCESSORIES

- Outrigger Kit 24 Ft. (Lee Pro Series – Lay Out)
- Sirius Satellite Radio

## Operation Of Standard Features

### SWITCH PANELS

At the helm you will find an accessory switch panel. An additional switch panel is located above the port bait station in the cockpit. The livewell, washdown, and spreader lights switches make up this cockpit switch panel. Refer to the *“Accessory Wiring Color – Fuse/Breaker Sizes” on page 6–9* for overcurrent protection amperage ratings for each circuit. Also see *“12 Volt DC Helm Switch Panel Diagram” on page 8–43* and *“12 Volt DC Cockpit Switch Panel Diagram” on page 8–50* for switch panel wiring diagrams. Consult your dealer for specific information or questions on the accessories included on your boat.

- **Aft and Forward Bilge Pump**

These two-way switches serve as manual switches for each bilge pump. These switches operate independently of each other. Two circuit breakers located above each switch provide over-current protection at the panel for each bilge pump circuit.

- **Cockpit Lights**

The cockpit lights provide illumination in the cockpit and helm areas. A circuit breaker located above this switch provides over-current protection for this circuit.

- **Electronics Box**

This momentary switch activates the lift which opens and closes the raisable electronics box at the helm. A circuit breaker located above this switch provides over-current protection for this circuit.

- **Engine Standby**

These switches place the electronic controls for each engine in standby. When each momentary switch is depressed, the corresponding engine is placed in neutral and the engine runs at idle. A green LED indicator light located above each switch illuminates when the corresponding engine is being controlled by the electronic controls. When the engine is in standby, the LED will not be lit. The engine will remain in standby until the corresponding switch is depressed again.

- **Engine Trim**

These momentary switches provide independent control of the trim for the outboard engines. Depress the top of the switches to increase trim and the bottom of the switches to decrease trim.

- **Horn**

This momentary switch activates a horn which meets the requirements of the USCG for sounding devices. A circuit breaker located above this switch provides over-current protection for this circuit.

- **Livewell**

This switch activates the livewell pump and light. A circuit breaker located above this switch provides over-current protection for this circuit.

- **Main/Aux Fuel**

This switch determines which tank the fuel gauge is monitoring – this does not determine from which tank fuel is being consumed.

- **Navigation/Anchor Lights**

This three-position switch (NAV-OFF-ANC) changes the lighting configurations to running or anchor lights. A circuit breaker located above this switch provides over-current protection for this circuit.

- **Spreader Light**

This switch activates the hard top spreader lights. A circuit breaker located above this switch provides over-current protection for this circuit.

- **Washdown**

This switch activates the washdown system. A circuit breaker located above this switch provides over-current protection for this circuit.

- **Windshield Vent**

This momentary switch activates the actuator which opens and closes the center vent in the windshield. A circuit breaker located above this switch provides over-current protection for this circuit.

- **Windlass**

This switch operates the anchor windlass. Depress the top of the switch to raise the windlass and the bottom of the switch to lower the windlass.

<b>NOTICE</b>
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Use anti-corrosion spray on the back of panels and on exposed wires to prevent the rust or corrosion that could lead to an electrical system failure.
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### *AUXILIARY FUSE PANEL*

The auxiliary fuse panel located at the center helm station behind an access door provides a source of power for electronics and additional accessories. Your model utilizes the automotive type fuses.



### *MAIN CIRCUIT BREAKER*

There is a 50 AMP circuit breaker located in the panel beneath the battery select switches. This is the main breaker protecting the wiring supplying power to the main positive bus behind the DC panel. This breaker can be manually tripped by pulling the red knob until the breaker clicks. To reset this breaker, press the knob until the breaker clicks into the engaged position.

### ACCESSORY OUTLET - 12 VOLT

Three 12-volt outlets are installed on your 360. One is in the cabin dinette area. Another is on the center helm station beneath the electronic controls facing aft. The third is in the port deckwing on the vertical surface in front of the cup holder. These outlets provide easily accessible power supplies for accessories such as cellular phones and spotlights. See *“12 Volt DC Accessory Locations” on page 8–39* for a layout of all 12 volt DC accessories.

#### NOTICE

**These outlets cannot be used with a cigarette lighter.**

### COMPASS

The compass is located at the helm station in direct view of the operator when navigating the boat. Following the compass instructions included in the “Owners Packet” will help you make compensation adjustments.

### BILGE PUMP WITH FLOAT SWITCH

Your boat is equipped with automatic float switches adjacent to the bilge pumps. A float switch will enable the pump to come on automatically if a significant amount of water accumulates in the bilge. The float switches 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 switch is in the on position, the pump will run continuously. The pump should not be left in the on mode unless someone is monitoring the system and can turn the pump off when the bilge is dry. When a switch is in the off position, the pump is off unless activated by the float switch.

#### CAUTION

**To prevent damage to the bilge pump, do not run it dry for a prolonged period of time.**

### BILGE PUMP LOCATIONS

Your boat has two bilge pumps. One is located in the aft bilge rigging area and can be accessed through the aft rigging lid beneath the access panel in the generator subfloor. The second is in the rigging area under the aft berth. This pump can be reached by removing the lift out board under the center aft berth cushion. See *“12 Volt DC Accessory Locations” on page 8–39* for a layout of all 12 volt DC accessories.

## BATTERY SELECT SWITCH

The 360 Express is equipped with five batteries and three battery select switches. The four aft batteries are grouped into two banks, each bank consisting of two batteries wired in parallel. The fifth battery is designated for the bow thruster system. It is located behind the fold-out helm table. One battery select switch is designated for each engine; the accessories operate from the same switch as the starboard engine. See *“Battery Wiring With Select Switches” on page 8–41* for a battery wiring diagram.

An outboard engine should be connected to each battery select switch. Battery bank 1 receives charge from the starboard engine and battery bank 2 receives charge from the port engine. The fifth battery receives charge from the center engine. In normal use, select position “1” on the starboard switch, select position “1” or “2” on the center switch, and select position “2” on the port switch so that both aft battery banks will charge simultaneously with the engines running. For emergency situations when neither battery bank alone will start the engines, select “Both” on each switch. Return the switches to normal operation settings after starting the engines.



### WARNING

**Never turn the battery select switch to the “OFF” position with an engine (including generator) running as this could damage the engine charging system or the diesel generator’s control panel.**

## SEACOCKS

A ball valve seacock is installed on the inlet thru-hulls for the livewell, washdown, air/cooler pump, generator systems, and the discharge seacock for the head discharge system. It is necessary for the seacock to be in the open position to operate these systems. The open position is identified by the orientation of the handle. If the handle is in line or parallel to the body of the valve, the seacock is in the open position. If the handle is perpendicular to the body of the valve, the seacock is in the closed position. The air and generator seacocks have remote arms installed on the handles. The open position for these seacocks can be obtained by pulling up on the remote arm attached to the seacock handles. Pushing down on the remote arm closes the seacock.



### CAUTION

**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.**

## SHORE WATER

Your 360 Express is equipped with shore water plumbing. Simply attach any shore water supply to the fresh water inlet located on the transom in the motorwell area. The shore water plumbing by-passes the freshwater pump installed on your boat. Therefore, the freshwater switch on the DC panel does not have to be on when connected to shore water. All fresh water features on your boat are available for use when connected to shore water without depleting the supply in your water tank.

### ! CAUTION

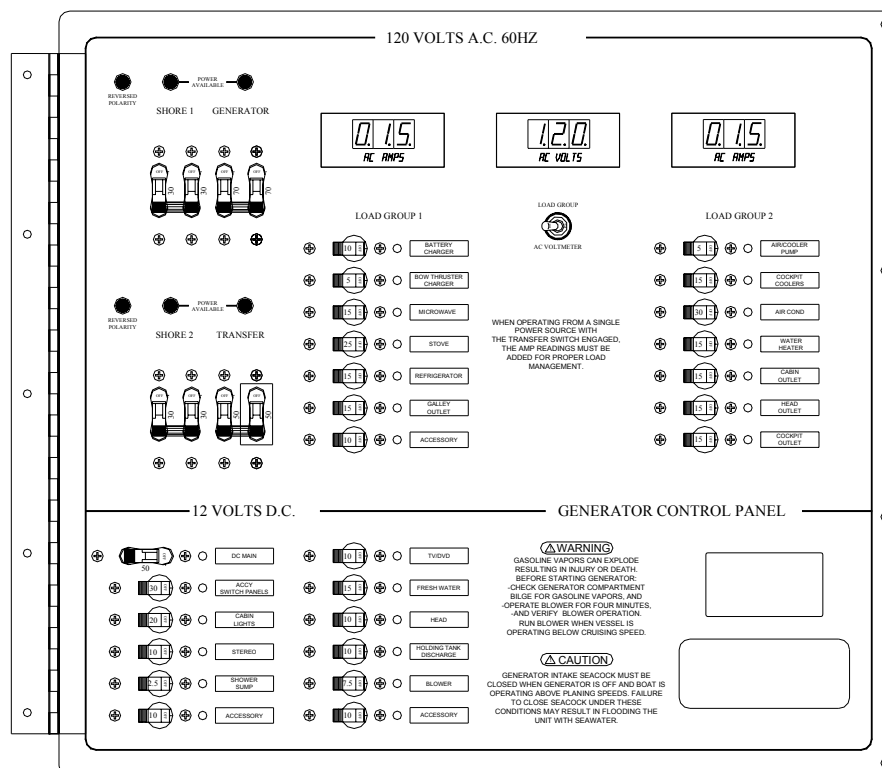
The freshwater supply to the boat should be closed position if not in use or if the boat is unattended to prevent flooding the boat if a plumbing component fails.

## AC/DC PANEL

The 360 Express AC/DC panel is located on the aft wall of the cabin. AC and DC powered switches are noted below. See *“AC/DC Panel Wiring – One-Line Diagram”* on page 8-42 for a wiring diagram.

### ! CAUTION

120V AC presents a high voltage shock hazard. All power supplies should be turned off and disconnected before accessing the wiring behind the AC panel. Service to the AC wiring should be performed by a qualified marine electrician.





## ***AC POWER DISTRIBUTION – SHORE 1, SHORE 2, AND GENERATOR***

The AC power distribution switches on the AC/DC panel permit you to operate your AC accessories by either shore power via the shore 1 circuit or the shore 2 circuit or by generator power. Each shore circuit is a 120 volt A.C. 60 hertz circuit designed to support a load of 30 amps. When the shore 1 distribution switch is engaged, power is supplied to load group 1. Likewise, when the shore 2 distribution switch is engaged, power is supplied to load group 2. When operating from generator power, engaging the generator distribution switch supplies power to load group 1 — the switch configuration will not permit the shore 1 and generator switches to be engaged at the same time. Engaging the transfer switch allows both load groups to receive power from either shore 1 or the generator — the switch configuration will not permit the shore 2 and transfer switches to be engaged at the same time.

### **Using Separate Shore 1 and Shore 2 Shore Connections**

To use separate shore connections, first ensure shore 1 and shore 2 are connected to shore power sources. See *“Connecting The Dockside Power” on page 8–11* for instructions on how to connect to shore power. When connected to separate shore 1 and shore 2 power sources, engage the shore 1 and shore 2 distribution switches to provide power to each load group. Use the toggle switch beneath the A.C. voltmeter to monitor the voltage being supplied to each circuit. Use the two amp meters on the panel to manage the load on each circuit; the amp readings should not exceed 30 amps on either meter.

### **Using One Shore Connection Only**

To use one shore connection only, ensure the shore 1 circuit is connected to shore power. See *“Connecting The Dockside Power” on page 8–11* for instructions on how to connect to shore power. With the shore 1 distribution switch engaged, power is supplied to load group 1. Set the toggle switch beneath the A.C. voltmeter to monitor the voltage being supplied to load group 1. Use the load group 1 amp meter on the panel to manage the load; the amp reading should not exceed 30 amps.

Accessories on load group 2 can receive power from the shore 1 connection by engaging the transfer switch. When both load group 1 and load group 2 are being powered the by shore 1 connection, the amp readings on each amperage meter must be added together to properly manage the load. The sum of the two amperage readings should not exceed 30 amps.

### **Using Generator Power Only**

To use the generator power only, ensure the generator is operating. For more information about the generator, see *“Generator” on page 8–11*. With only the generator distribution switch engaged, power is supplied to load group 1. Set the toggle switch beneath the A.C. voltmeter to monitor the voltage being supplied to load group 1. Use the load group 1 amp meter on the panel to manage the load; the amp reading should not exceed 70 amps.

Accessories on load group 2 can receive power from the generator by engaging the transfer switch. When both load group 1 and load group 2 are being powered by the generator, the amp readings on each amperage meter must be added together to properly manage the load. The sum of the two amperage readings should not exceed 70 amps.

### Using One Shore Connection and Generator Power

To use one shore connection along with generator power, first ensure shore 2 is connected to shore power and the generator is operating. See *“Connecting The Dockside Power” on page 8–11* for instructions on how to connect to shore power and *“Generator” on page 8–11* for more information about the generator. Engage the shore 2 distribution switch to provide power to load group 2 from the shore power supply. Engage the generator distribution switch to supply power to load group 1 from the generator. Use the toggle switch beneath the A.C. voltmeter to monitor the voltage being supplied to each circuit. Use the two amp meters on the panel to manage the load on each circuit. The amp reading for load group 2 should not exceed 30 amps; the amp reading for load group 1 should not exceed 70 amps.

### AC POWERED ACCESSORY SWITCHES

The AC powered accessories are divided into two load groups. See *“AC/DC Panel Wiring – One-Line Diagram” on page 8–42* and *“120 Volt AC Electrical Diagram” on page 8–60* for a layout.

- **Accessory**

This load group 1 switch is not connected to a factory installed accessory, but is provided for an additional after market accessory.

- **Air Conditioner**

This load group 2 switch provides power to the air conditioner control panel. Operation of the unit is affected only by adjustments made on the unit’s control panel. See *“Air/Cooler Pump” on page 8–14* for more details on the air condition.

- **Air/Cooler Pump**

This load group 2 switch provides power to the water pump relay which in turn powers the water pump for the air conditioner and cockpit coolers. This switch must be engaged to operate the air conditioner, but is not required for the cockpit coolers — the cockpit coolers will cool more efficiently with the water pump working. Also, the air conditioner seacock located in the aft rigging compartment (the remote arm is accessed through the fold down door behind the folding aft seat) must be open. See *“Air/Cooler Pump” on page 8–14* for more details about the air/cooler pump.

- **Battery Charger Switch**

This load group 1 switch operates the on-board battery charger designated for the aft four batteries. See *“Battery Charger” on page 8–14* for more details about the battery charger.

- **Bow Thruster Charger Switch**

This load group 1 switch operates the on-board battery charger designated for the dedicated bow thruster battery. See *“Bow Thruster Charger” on page 8–15* for more details about the bow thruster charger.

- **Cabin Outlet Switch**

This load group 2 switch activates the GFCI cabin outlet located forward of the refrigerator in the V-berth area. See *“Outlets” on page 8–15* for more details about the outlets.

- **Cockpit Coolers**

This load group 2 switch provides power to the control unit for the refrigeration unit used to cool the cockpit coolers. Refer to *“Cockpit Coolers” on page 8–15* for more detail concerning the operation of the cockpit coolers.

- **Cockpit Outlet Switch**

This load group 2 switch activates the GFCI cockpit outlet located near the helm station. See *“Outlets” on page 8–15* for more details about the outlets.

- **Galley Outlet Switch**

This load group 1 switch activates the GFCI galley outlet. See *“Outlets” on page 8–15* for more details about the outlets.

- **Head Outlet Switch**

This load group 2 switch provides current to the GFCI head outlet. See *“Outlets” on page 8–15* for more details about the outlets.

- **Microwave Switch**

This load group 1 switch provides current to the microwave. See *“Microwave” on page 8–15* for more details on the microwave.

- **Refrigerator Switch**

This load group 1 switch provides current to the refrigerator located in the galley. See *“Refrigerator” on page 8–16* for more details concerning the refrigerator.

- **Stove Switch**

This load group 1 switch provides power to the electric stove located at the galley. See *“Stove” on page 8–16* for more details about the electric stove.

- **Water Heater Switch**

This load group 2 switch activates the eleven gallon water heater. Ensure the water heater is not empty before engaging this switch. See *“Water Heater” on page 8–16* for more details concerning the water heater.

### **DC POWERED ACCESSORY SWITCHES**

- **Main Power Switch**

The main power switch must be in the “on” position to operate most DC accessories even if the specific accessory is not specifically wired to a switch on this panel.

- **Accessory Switches**

These switches are not connected to factory installed accessories, but are provided for additional after market accessories.

- **Accessory Switch Panels Switch**

This switch provides power to the accessory switches on the helm and cockpit accessory panels. See *“Switch Panels” on page 8–2* for more detail concerning these panels.

- **Blower Switch**

This switch operates the bilge blower. See *“Blower” on page 8–13* for more information.

- **Cabin Lights Switch**

This switch provides power for all the lights located in the cabin. Refer to *“Cabin Lights” on page 17* for more information on the individual switches within the lighting system.

- **Fresh Water Switch**

This switch powers the pump for the pressurized fresh water system, including the galley faucet, head faucet, and cockpit rigging station faucet. This switch also powers the freshwater level indicator in the head compartment. See *“Pressurized Fresh Water” on page 8–19* for details about the fresh water system on your 360.

- **Head Switch**

This switch provides power to the vacuum pump integrated within the head system. Without engaging this switch, the marine head will not operate. It also activates the Tankmanager level monitor panel in the head compartment. See *“Vacuflush Head System” on page 8–23* for information about the head system.

- **Holding Tank Discharge Switch**

This switch provides power to the discharge pump control for the head system. See *“Vacuflush Head System” on page 8–23* for information about the head system.

- **Shower Sump Switch**

This switch provides power to the pump located in the shower sump under the aft berth floor. The pump will not run until activated by the float switch. See *“Shower Sump Pump” on page 8–19* for more details.

- **Stereo Switch**

This switch furnishes power to the stereo. See *“Stereo” on page 8–19* for more detail on the stereo.

- **TV/DVD**

This switch provides power to the 12 volt inverter which powers the TV and DVD player. See *“TV/DVD” on page 8–21* for more information concerning the TV and DVD player.

### DOCKSIDE POWER

The dockside power feature allows the use of AC equipment on board the boat. This equipment includes any permanently installed appliances such as a battery charger or water heater, or it may be a household item plugged into a receptacle. The dockside power is utilized by connecting heavy-duty cables supplied with the boat to an appropriate external power source. These cables provide power to the boat’s AC inlets that are wired to the AC panel (see *“AC Power Distribution – Shore 1, Shore 2, and Generator” on page 8–7* for more detail). The AC panel allows for distribution to the various appliances and outlets. See the *“120 Volt AC Electrical Diagram” on page 8–60* for wiring specifics and *“120 Volt AC Accessory Locations” on page 8–40* for component locations.



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

**Connecting The Dockside Power**

(Either Shore 1 or Shore 2)

- 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 appropriate distribution switch) to the off position. Turn the circuit breaker under the starboard deckwing to off. 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 circuit breaker under the starboard deckwing to the on position.
- 7). Turn the appropriate distribution switch to the on position.

**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**

(Either Shore 1 or Shore 2)

- 1). Switch all circuit breakers at the boat's AC panel off (including the appropriate distribution switch).
- 2). Switch the circuit breaker under the starboard deckwing off.
- 3). Switch the circuit breaker off at the dock outlet.
- 4). Disconnect the dockside power cable at the dock outlet first.
- 5). Disconnect the dockside power cable at the boat inlet.

**NOTICE**

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

**GENERATOR**

The generator option enables you to use AC accessories without being attached to shore power. The diesel generator is a Fischer Panda™ 8 Mini, capable of producing 7500 peak watts and a constant 6800 watts. The generator diesel fuel is supplied by a separate tank located in the aft rigging area. See *“Generator Layout” on page 8–35* for a layout of the generator system.

**Generator Control Panel**

The generator control panel is located in the cabin at the bottom of the AC/DC panel. This panel is equipped with some monitoring functions. To learn more about these monitoring functions, reference the Fischer Panda owner's manual included in your owner's packet.

### Wattage Requirements

The generator provides sufficient power to operate most accessories at the same time. A list of wattage requirements for all standard AC accessories is provided below. However, these are maximum values and the full amount will not necessarily be on all at once. Use the amp meters and volt meter on the AC panel to properly manage the load on the generator. The generator is capable of handling momentary peaks above its rated capacity. These peaks are normally related to the start-up of each accessory. In addition to the factory installed appliances, you should know the wattage requirements of any household objects you bring on board.

• <b>Air/Cooler Pump</b>	<b>250 Watts</b>
• <b>Air Conditioner</b>	<b>1524 Watts</b>
• <b>Battery Charger</b>	<b>756 Watts</b>
• <b>Bow Thruster Charger</b>	<b>192 Watts</b>
• <b>Cockpit Coolers</b>	<b>786 Watts</b>
• <b>Electric Stove</b>	<b>1100 Watts</b>
• <b>Hot Water Heater</b>	<b>1500 Watts</b>
• <b>Microwave</b>	<b>910 Watts</b>
• <b>Refrigerator</b>	<b>396 Watts</b>

### Starting the Generator

1. Ensure the shut-off valve on the diesel fuel tank is open.
2. Open the generator seacock located in the aft rigging compartment and accessed through the aft folding door behind the folding cockpit seat using the remote arm.
3. Ensure the generator transfer switch and any other load has been switched off.
4. Press the standby “ON/OFF” button on the generator control panel. The control light for “Standby” must light up.
5. Press the generator “RUN/STOP” button on the generator control panel. The engine will start after the automatic pre-glow phase.
6. Switch the generator transfer switch on and confirm the correct voltage is being supplied from the generator using the volt meter on the AC panel.
7. Switch on desired loads.

## Stopping the Generator

1. Switch off all loads and the generator transfer switch. Stabilize the generator temperature by running for five minutes without load.
2. Press the generator “RUN/STOP” button on the generator control panel.
3. Close the generator seacock.

### CAUTION

**Do not leave the generator seacock open while the boat is in motion and the generator is off. You can use the generator while the boat is moving. However, when the generator is shut down the intake seacock should be closed immediately. If the seacock remains open, excessive seawater may be forced into the generator cooling system causing water to back up into the exhaust manifold.**

4. Close the shut-off valve on the diesel fuel tank.

### WARNING

**Never turn the battery select switch to the “OFF” position with an engine (including generator) running as this could damage the engine charging system or the diesel generator control panel.**

## Blower

A blower is included to provide ventilation to the generator engine compartment and should run at least 4 minutes before starting the generator. Using the blower does not take the place of checking the engine compartment by sight and smell for gasoline vapors. The blower is located in the aft rigging compartment and can be accessed through the aft rigging lid.

## Carbon Monoxide Detector

Two carbon monoxide detectors are installed in the cabin to serve as a warning system for exposure to poisonous carbon monoxide fumes. Carbon monoxide is a colorless odorless gas produced in the exhaust of combustion engines. It can accumulate in amounts that may be hazardous or fatal. This accumulation may occur very quickly in a boat with a defective exhaust or one in which the exhaust is re-entering the boat due to wind currents, low pressure areas in the cabin, or other means of air movement. A CO monitor provides an extra measure of safety, but it does not replace the need to regularly check the entire generator exhaust system including the exhaust manifold, hose and muffler condition, hose connection joint, etc. For proper operation and maintenance, refer to the literature provided by the manufacturer in the owner’s packet.



## AC POWERED ACCESSORIES

### Air/Cooler Pump

The air/cooler pump supplies raw water to the air conditioner and the refrigeration unit for the cooler boxes. This pump receives a signal from the pump relay for the air conditioner unit and cockpit coolers refrigeration unit when the air conditioner or refrigeration unit is operational. Also, the air conditioner seacock located in the aft rigging compartment must be open (the remote arm for this seacock is accessed through the fold down door behind the folding aft seat).

### Air Conditioner

The air conditioning system operates on AC current only; therefore, the generator or dockside power must be in use with load group 2 energized. The air conditioner switch on the AC/DC panel activates the unit's control pad located beside the stereo above the microwave. The air/cooler pump switch must also be on and the air condition seacock must be open to supply the unit with raw water. The thermostatic control is similar to household units. Supply vents are located in the galley, the dinette, the forward V-berth, the aft berth, and the head. The return vent is located in the dinette area. The air conditioning unit is located beneath the forward dinette seat. The condensation drain for the unit drains to the shower sump. Therefore, the shower sump pump should be switched on when using the air conditioner to remove any condensation. Refer to the Operation and Maintenance manual in your Owner's Packet for specific instructions on using the unit. See *"Air Conditioning Layout"* on page 8-26 for a layout of the air conditioning system. See *"Air Condition & Cockpit Coolers One-Line Diagram"* on page 8-53 for a wiring diagram.

### NOTICE

**If your boat is removed from the water, leaving the seacock open will drain the water in the air conditioning system. This may cause an airlock in the air conditioner water pump in subsequent operation. To prevent this drainage, close the air conditioner seacock. If the boat is being winterized, leave the seacock open so the water can drain. Then, remove any remaining water by blowing pressurized air through the system. See the Operation and Maintenance Manual included in your Owner's Packet for additional winterizing information.**

### Battery Charger

This two bank battery charger is located in the aft rigging compartment near the four aft batteries. The generator must be running or the dockside power must be connected with load group 1 energized for the charger to work. To activate the charger, turn the AC panel breaker switch to the on position. The charger has a built-in isolator that senses the charging needs of all the batteries and distributes charge accordingly. At the point that all batteries are nearly fully restored, the charger will automatically reduce the current being sent to the batteries to a maintenance level. The maximum output for each charging leg is 15 amps. There is a 25A in-line fuse in the positive charging lead to each battery bank. If the charger appears to be operating normally but the batteries do not recharge, check these fuses and replace as necessary. See this charger's Operation Manual in your Owner's Packet for further information on the charger. See *"12 Volt DC Elementary Diagram"* on page 8-57 and *"120 Volt AC Electrical Diagram"* on page 8-60 for wiring detail.



### **Bow Thruster Charger**

This single bank battery charger is located beneath the aft starboard helm seat just forward of the bait station. The generator must be running or the dockside power must be connected with load group 1 energized for the charger to work. To activate the charger, turn the AC panel breaker switch to the on position. The charger has a built-in isolator that senses the charging needs of the bow thruster battery and delivers charge accordingly (maximum output of 6 amps). There is a 9A in-line fuse in the positive charging lead to the battery. If the charger appears to be operating normally but the battery does not recharge, check this fuse and replace as necessary. At the point that the battery is nearly fully restored, the charger will automatically reduce the current being sent to a maintenance level. See this charger's Operation Manual in your Owner's Packet for further information on the charger. See *"12 Volt DC Elementary Diagram"* on page 8-57 and *"120 Volt AC Electrical Diagram"* on page 8-60 for wiring detail.

### **Cockpit Coolers**

The aft fishbox and port cockpit insulated coolers are also refrigerated. The cockpit coolers switch on the AC panel must be on to cool these boxes. It is not required to have the air/cooler pump switch on and the air condition seacock open to cool these boxes, but it is recommended. The raw water moving through the system will allow the refrigeration unit to cool the boxes more efficiently. If you choose to turn the air/cooler pump on, ensure the air condition seacock is open. Refer to *"Air Condition & Cockpit Coolers One-Line Diagram"* on page 8-53 for wiring detail.

These boxes may be used as freezers or refrigerators by designating the set point temperature for each box. The set points for each box are set using the digital temperature switches in the cooler control panel located in the galley area near the cabin door. To establish the set point, first press set — SP text will appear on the display. Press set again — the value will appear on the display. Change the temperature set point to the desired value using the up and down arrows. Press set when the desired set point is displayed to enter this value. Press set and down simultaneously to exit programming or wait one minute and the switch will exit programming mode automatically. Please reference the owner's manual for this system included in the owner's packet for more detailed information.

### **Microwave**

The dockside power must be connected or the generator must be operating with load group 1 energized for the microwave to function. A foam block has been provided to protect the glass platter inside the microwave when the boat is in motion. Ensure this block is in place when the microwave is not in use — remove before operation. Refer to the microwave operation and maintenance manual in your owner's packet for specific instructions on the safe and proper use of the microwave.

### **Outlets**

Current is provided to all outlets by the generator or dockside power. Each outlet is ground fault protected and switched individually at the AC panel. These outlets will operate any standard household appliance (i.e. blender, coffee maker). However, the total combined wattage, in addition to other AC accessories, must not overload the boat's generator output.

### Refrigerator

The refrigerator switch on the AC panel and the on/off switch located at the bottom of the refrigerator must be on for the refrigerator/freezer to operate. The upper drawer of this unit is a refrigerator drawer with a temperature range of 34°F to 45°F. This temperature may be set by pressing the set temp button on the refrigerator's control panel located in the upper drawer. While the display is flashing, the warmer and cooler buttons may be used to set the desired temperature in the drawer. The actual drawer temperature may be checked by pressing and releasing the warmer button. The temperature of the drawer will display for approximately ten seconds before changing back to the temperature set point.

The lower drawer of the unit is a freezer compartment with ice maker. The temperature of this drawer is set to 0°F and cannot be changed. The ice maker produces ice using water supplied by the boat's fresh water supply. Therefore, the fresh water switch on the DC panel must be switched on or the boat must be connected to a shore water supply for the ice maker to function. Refer to the operation and maintenance manual in your owner's packet for specific instructions on using and maintaining this unit.

### Stove

Located at the galley, the 360 stove is a glass dual element cooktop which operates by AC current only. Therefore the generator must be operating or the dockside power must be connected with load group 1 energized prior to use. Please review the factory provided information in your owner's packet for instructions on safe and proper use of this unit.

### Water Heater

The generator must be operating or the dockside power connected with load group 2 energized for the eleven gallon water heater to function. This accessory will provide hot water to the pressurized fresh water system. Follow the water heater operation and maintenance manual provided in the owner's packet for instructions and care of the water heater.



**To avoid heating element failure, do not turn on the water heater unless it is filled with water.**

## ***DC POWERED ACCESSORIES***

### **Bow Thruster**

The bow thruster aids in maneuvering your boat. The outboard engines can control the direction of the stern while the bow thruster moves the bow. Use the joystick control located at the helm to control the thruster. The emergency shut-off switch provides a simple method to quickly disconnect power from the thruster motor. Depress this button to disengage the thruster in the event of an emergency. Reference *“Bow Thruster & Power Assist Layout” on page 8–36* for a layout diagram.



**To avoid damaging the sheer pin in the bow thruster lower unit, do not engage the thruster when the propeller is not submerged. Also, do not suddenly change direction of thrust without allowing the propeller time to stop.**

### **Cabin Lights**

The cabin light switch on the DC panel supplies power to all lighting in the cabin, head, and aft berth. This switch must be on for any light to function. The main cabin lighting is controlled by the dimmer switch located on the wire cover box near the cabin door entrance — this switch has two small concentric circles on it. This dimmer switch controls the recessed lights in the dinette and galley. Simply press and release the switch to turn the lights on at full intensity and the lights will fade on slowly. While the lights are fading on, the switch may be pressed again to stop the lights from intensifying. The lights will remain on at whatever level they were at when the switch was pressed. Also, the switch may be held in when originally turning on the lights and released when the lights reach the desired level. Another switch is located beside the dimmer switch. This switch controls the low-level lighting in the cabin steps and at the etched glass by the dinette. Two more switches are located forward of the microwave in the V-berth area. One controls the low-level lighting recessed above the V-berth walls. The other controls the two recessed lights in the V-berth. The three lights above the mirrored cabinet in the head are controlled by a wall switch on the forward head wall. The overhead light in the aft berth and the rail light in the galley have switches built into each light. See *“12 Volt DC Lighting Diagram” on page 8–44* for wiring detail.

### **Cockpit Shower**

To operate the cockpit showers located in the starboard rigging station and beside the aft fishbox near the transom door, the fresh water switch located on the AC/DC panel must be in the on position or a shore water supply must be connected. To operate the pull out shower at the rigging station, pull out the hose and depress the lever on the back of the wand to spray water. For continuous or hands free operation, pull up on the lever until it reaches the locked position. The aft cockpit shower may be used by simply removing the shower wand from the storage cup and depressing the button on the shower head. To reinstall either shower wand, gently feed the hose down through the deck and return the faucet to the base.

## Cockpit Switch Panel

This panel is located above the starboard rigging station. It is used to operate those systems which are not included on the AC/DC panel or the helm switch panel. The switches are backlit for low light situations and have individual breakers located above them. Refer to *“Switch Panels” on page 8–2* for information regarding the operation of switches included on this panel.

## Helm Switch Panel

This panel is located at the helm, and is used to operate the livewell system, washdown system, and spreader lights. The switches are backlit for low light situations and have individual breakers located above them. Refer to *“Switch Panels” on page 8–2* for information regarding the operation of switches included on this panel.

## Head And Discharge Pump

Reference *“Vacuflush Head System” on page 8–23* for information on the operation of these components.

## Head Shower

To use the head shower, the fresh water switch located on the AC/DC panel must be activated or a shore water supply must be connected to provide pressure to the hot and cold water supplies. Water flow is controlled by the shower mixer fixture and a conservation valve built into the shower head.

## Livewell – Raw Water

To operate the livewell, open the seacock with the livewell I.D. tag located beneath the center lid in the aft berth. The 1100 gph livewell pump is screwed directly into this seacock. The livewell switch at the helm should be in the on position. Place the livewell standpipe in the drain located at the bottom of the livewell. Screw it down until the black flange makes contact with the flange on the drain fitting. Water will enter through a plenum along the side of the livewell and be distributed through a series of holes arranged vertically along the plenum. The water will rise to a depth even with the strainer on the standpipe and drain overboard. To evacuate debris and bait waste from the bottom of the box while the livewell is in operation, unscrew the standpipe approximately three turns to expose two 3/8” holes located in the threads of the standpipe base. This will allow a small amount of water to escape through these holes and remove any waste that has settled in the bottom of the livewell. See *“Livewell/Washdown System Layout” on page 8–28* for a layout diagram.

NOTICE
<b>If the livewell seacock is left open and the pump is not on, the boat’s forward motion through the water will gradually fill the box. To prevent this inadvertent filling, close the seacock when the livewell is not in use.</b>
<b>Under certain conditions, placing the outboard engines in reverse will ventilate the water under the boat and create an air lock in the livewell pump. To prevent this situation from occurring, it is recommended the livewell be turned off prior to any high RPM or continuous reverse operation. If the livewell pump becomes air-locked, correct this situation by turning the pump off for 20 seconds.</b>

## Pressurized Fresh Water

The 360 comes with a 65 gallon pressurized freshwater system. The pump is activated at the AC/DC panel and supplies water from the water tank to the fresh water components on board. The pump and accumulator tank can be accessed through the panel in the port wall of the aft berth compartment. This pump is by-passed when connected to a shore water supply; therefore, the fresh water switch should not be on when connected to shore water. See *“Pressurized Fresh Water System Layout” on page 8–30* for a layout diagram.

## Shower Sump Pump

The shower sump is located under the floor of the aft berth and can be accessed by removing the cover board beneath the center cushion. The shower sump switch on the AC/DC panel must be on for this pump to operate. The sump collects drainage from the enclosed head shower. The shower sump contains a filter which should always be installed when using the shower to prevent the sump pump from becoming clogged. See *“Cleaning” on page 6–1* for maintenance information. Similar to a bilge pump, the sump pump is activated automatically by a float switch to discharge the collected water overboard via a thru hull. The shower sump also collects and discharges condensation from the air conditioner and should be turned on whenever the air conditioner is in use.

## Stereo

The stereo is a Sirius ready AM/FM receiver with CD player and removable face-plate. It is located above the microwave in the galley with one speaker above the galley, another above the dinette, and two in the hardtop. The unit can be remotely operated with the touch pad mounted at the helm station. Refer to the stereo’s operation and maintenance manual in your owner’s packet for specific instructions on using this unit. See *“Stereo Layout” on page 8–38* for a drawing showing stereo system component locations.

## Teleflex i6000 Electronic Controls

The 360 Express is equipped with the i6000TEC series triple engine electronic shift and throttle controls system. This system is activated when the engine ignition switches are turned on. Also, the green LED indicators must be illuminated above the engine standby switches (see *“Engine Standby” on page 8–2* and *“12 Volt DC i6000 Engine Switches Diagram” on page 8–52* for more information on these switches). This system consists of a dual-lever control head located at the helm, the engine switches on the control panel, three electronic control units (ECUs), three throttle actuators, and three shift actuators. These work together to simplify triple engine controls into standard dual engine controls. The ECUs, throttle actuators, and shift actuators are installed in the starboard aft berth rigging compartment. They may be accessed through the wall panel in the starboard wall of the aft berth compartment. Also, two power distribution boxes located in the aft rigging compartment near the generator ensure a constant power supply to the ECUs. These power distribution boxes receive over-current protection from two 30A breakers installed in the aft battery compartment beneath the aft drop-in box. The center engine follows the port lever for shift and throttle at startup; however, there are four operating modes you may choose from. This system is complex and covered in detail in the owner’s manual for this product which is included in your owner’s packet. See *“12 Volt DC i6000 One-line Diagram” on page 8–59* for wiring detail.

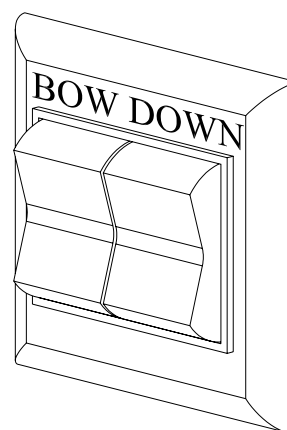
### Trim Tabs

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

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. 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 and soften the ride. Experimenting with trim tabs in various sea conditions will help you determine the best positions for your boat under different load conditions.



**Trim Tab**



**Trim Tab Switch**

Trim tabs are also useful in correcting a port or starboard running 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 a listing condition by pressing the trim tab switch toward “bow up”. This will cause the low side to rise and level the boat. The running angle will also gradually improve.

The switches are marked “bow down” only. Trim tabs in the extreme “bow up” positions will have no effect on the boat's ride. 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 considerable 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 the boat on a plane at the least possible RPMs.

See *“12 Volt DC Trim Tab Diagram” on page 8-49* for system wiring detail.

### NOTICE

**Most drive units 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 the drive unit 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.**

### Trim Tab Pump Location

The 360 Express trim tab pump is located on the port hull side, and is accessed through the wall panel in the aft berth compartment. The hydraulic fluid should be checked on a seasonal basis.

### TV/DVD

The television is a 15" flat screen LCD television with speakers across the sides. It is located in the forward vee berth on the port side. The television is mounted on an adjustable arm that allows it to swing out of the cabinet and be positioned at various angles. An A/B switch located behind the TV is used to change between broadcast antenna and dockside cable reception. When the switch is set to A, the TV receives a signal from the broadcast antenna. Set the switch to B when connected to dockside cable. The DVD/CD player is a separate unit located above the television. Both receive power from the AC inverter located behind the microwave.



**The TV must be stored in the cabinet recess with the retainer latch engaged when the boat is underway. Failure to secure the TV when the boat is moving could result in injury or damage to the TV or mounting bracket.**

### Washdown Operation

To operate the washdown, open the seacock with the washdown I.D. tag located beneath the center lid in the aft berth. Depress the washdown switch on the accessory switch panel. This system will now be pressurized at the washdown faucet outlet. This faucet may be used alone or with a hose. A hose with a spray nozzle attached may be used intermittently without turning the switch off in the same fashion as a home yard hose with a nozzle. The washdown pump has an internal pressurization switch that will maintain water pressure as needed until the switch is turned off at the switch panel. The pump is located on the port hull side, and is accessed through the wall panel in the aft berth compartment. See *"Livewell/Washdown System Layout"* on page 8–28 for a system diagram.



### Windshield Wiper System

The windshield wiper system on your 360 Express is controlled by the control panel located at the helm. To turn the wipers on, press and release the on/off button (far left button) on the control panel. Press and hold this button for one second to turn the system off. The on/off button is also used to cycle through four different operation settings: continuously fast, fast intermittent, medium intermittent (five second delay), and slow intermittent (ten second delay).

The wipers have been divided into two groups: group 1 is the center wiper and group 2 consist of the two outboard wipers. The default setting is for both groups to run together. Pressing the group button (center button) on the control panel switches between active groups as follows: group 1 and 2, group 1 only, group 2 only, and back to group 1 and 2.

This wiper system also controls the windshield washers. Pressing the wipe/wash button (far right button) initiates the spray of freshwater from the boat's fresh water supply. Therefore, the fresh water switch at the control panel must be on or the boat connected to a shore water supply for the washer to function. Water will begin to spray when the wipe/wash button is pressed and continue until it is released. The wipers will begin to wipe two seconds after the wipe/wash button is initially pressed and continue until four seconds after the button is released.

See *"12 Volt DC Wiper/Washer System Diagram"* on page 8-46 for wiring detail.



### **Vacuflush Head System**

The vacuflush head consists of a virtuuous china bowl, vacuum pump with tank, and a holding tank. To operate the head, the head and fresh water switches on the DC panel must be in the on position. This provides power to the vacuum pump, and pressurizes the fresh water system. If a shore water supply is connected, the fresh water switch does not need to be on. Since this unit uses freshwater, it is not necessary to open a seacock prior to use. Instructions on the operation of your vacuflush head are as follows:

1. Verify that the switches on the DC panel are in the on position.
2. To add water prior to flushing, raise the flush lever on the bowl until the desired level is reached.
3. To flush, depress the flush lever sharply until contents clear the bowl. A sharp popping noise is normal when the vacuum seal is broken and flushing begins. Be sure to hold the lever down for 3 seconds.

<b>NOTICE</b>
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<b>Do not dispose of sanitary napkins or other non dissolving items in the toilet. Also, do not attempt to flush facial tissue, paper towels, or large quantities of toilet paper.</b>
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Located on the outboard head wall is a monitor which displays the fill level of the holding tank. This monitor, called the Tank Manager panel, comes on with the head switch on the DC panel. When the tank is filled, it can be discharged overboard or emptied through the deck pump-out fitting. Following are instructions on both operations:

#### **Overboard Discharge**

1. Open the discharge seacock located under the aft berth subfloor with the disch. I.D. tag. To access, take out the center cushion and remove the compartment cover board.
2. Supply power to the pump at the DC panel using the switch labeled holding tank discharge.
3. Engage the pump using the key switch in the Tank Manager panel on the outboard head wall. Turn the switch to the start position momentarily and release. The key will return to the auto off position. The discharge pump will run until the Tank Manager panel indicates the tank is empty and turn off automatically.
4. Turn the key to the off position.
5. Close the discharge seacock when the tank is empty.



<b>CAUTION</b>
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<b>Overboard discharge seacock must be sealed and secured in the closed position in accordance with the laws in your boating area.</b>
--

#### **Deck Pump-out**

1. Remove the cap from the deck pump-out fitting located in the starboard walk around.
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.

See *“Vacuflush Head Layout” on page 8–29* for a layout diagram.

### *Operation Of Optional Features*

#### ***OUTRIGGER KIT 24 Ft. (LEE PRO SERIES – LAY OUT)***

The optional outriggers spread the fishing lines being 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 installation and use, reference the sheet included in your Owner's Packet.

- **Care And Maintenance**

- Outriggers should be washed with fresh water, mild soap, and a soft cloth. Never use abrasive cleaners on outriggers.
- A periodic waxing is suggested if your outriggers are 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 the 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.

#### ***SIRIUS SATELLITE RADIO***

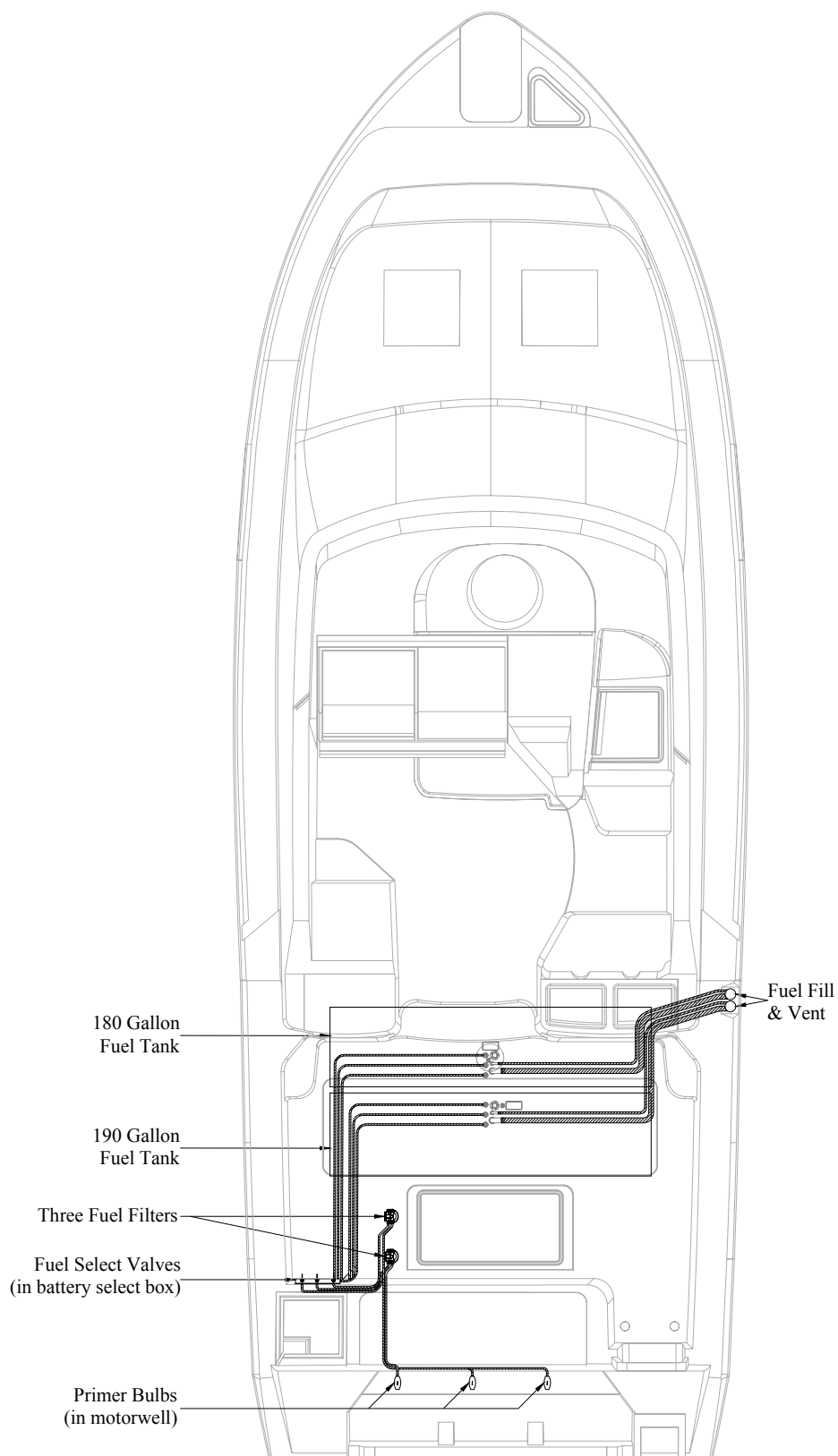
The Sirius satellite radio includes the Sirius satellite tuner and antenna which provides access to many channels of digital entertainment. The antenna is installed on the forward bow area away from any structure that may cause signal interference. The tuner is installed inside the galley behind the microwave. The tuner is controlled by the Sirius ready stereo installed on your boat.

You may activate your subscription to Sirius online at [siriusradio.com](http://siriusradio.com) or by calling toll-free 1-888-539-SIRIUS. If you choose to call, a Sirius operator will walk you through the initial setup process. You will need the ESN number for your tuner, a major credit card, your boat in a location where the antenna is not blocked from receiving signal, and the Sirius tuner tuned to channel 184. You will find the ESN number attached to the warranty card for the tuner included in the owner's packet. You may also obtain this number using your Sirius ready stereo by following a few simple steps:

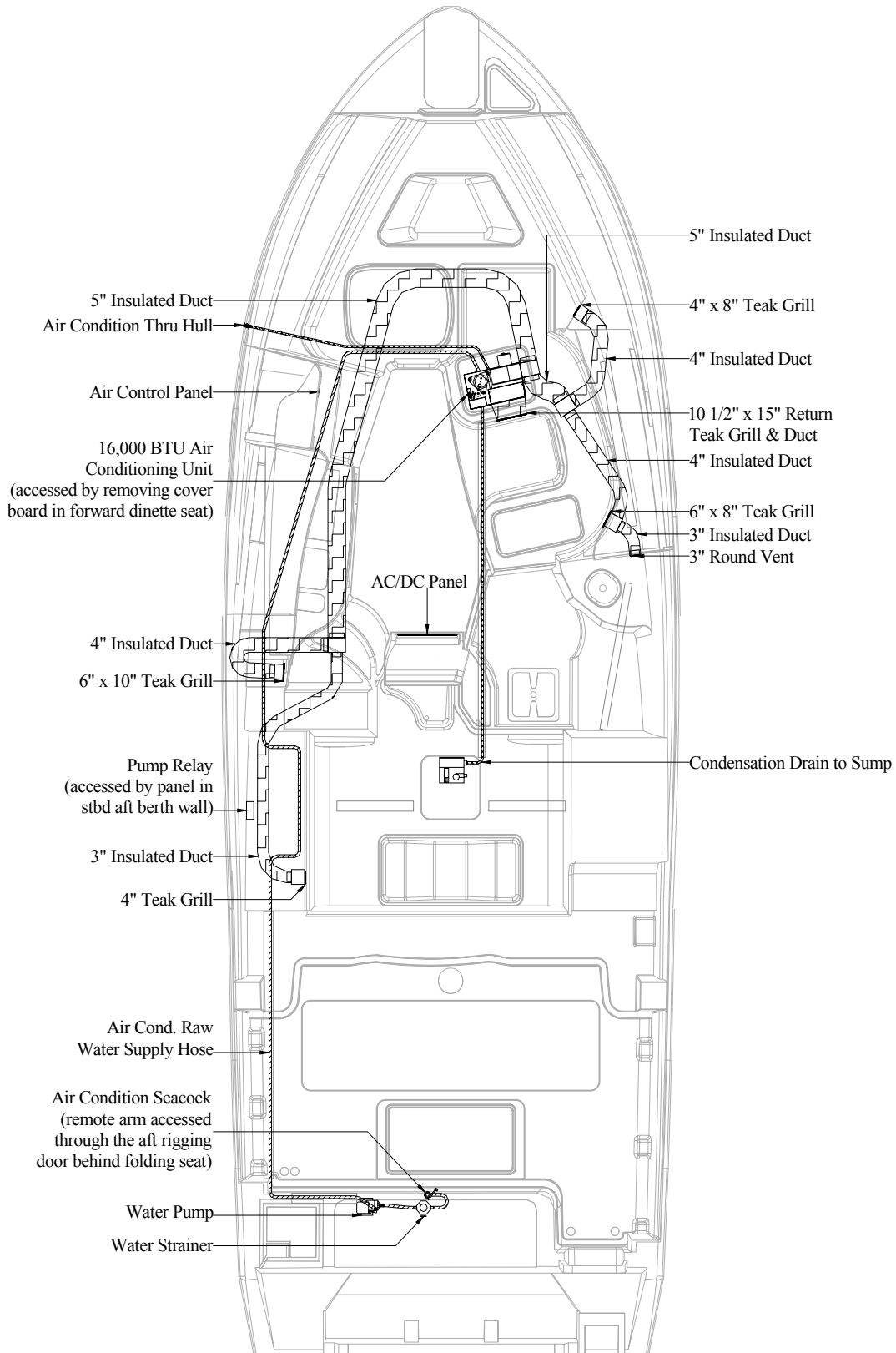
1. Press the SRC button repeatedly until "SIRIUS" appears.
2. Hold the MENU button until "MENU" appears.
3. Use the AM/FM buttons to scroll through the option until "ESN XXXXXXXXXXXXX" appears.
4. Write the number down and press MENU to exit.

For more information, refer to the tuner's owner's manual and quick start guide included in your owner's packet.

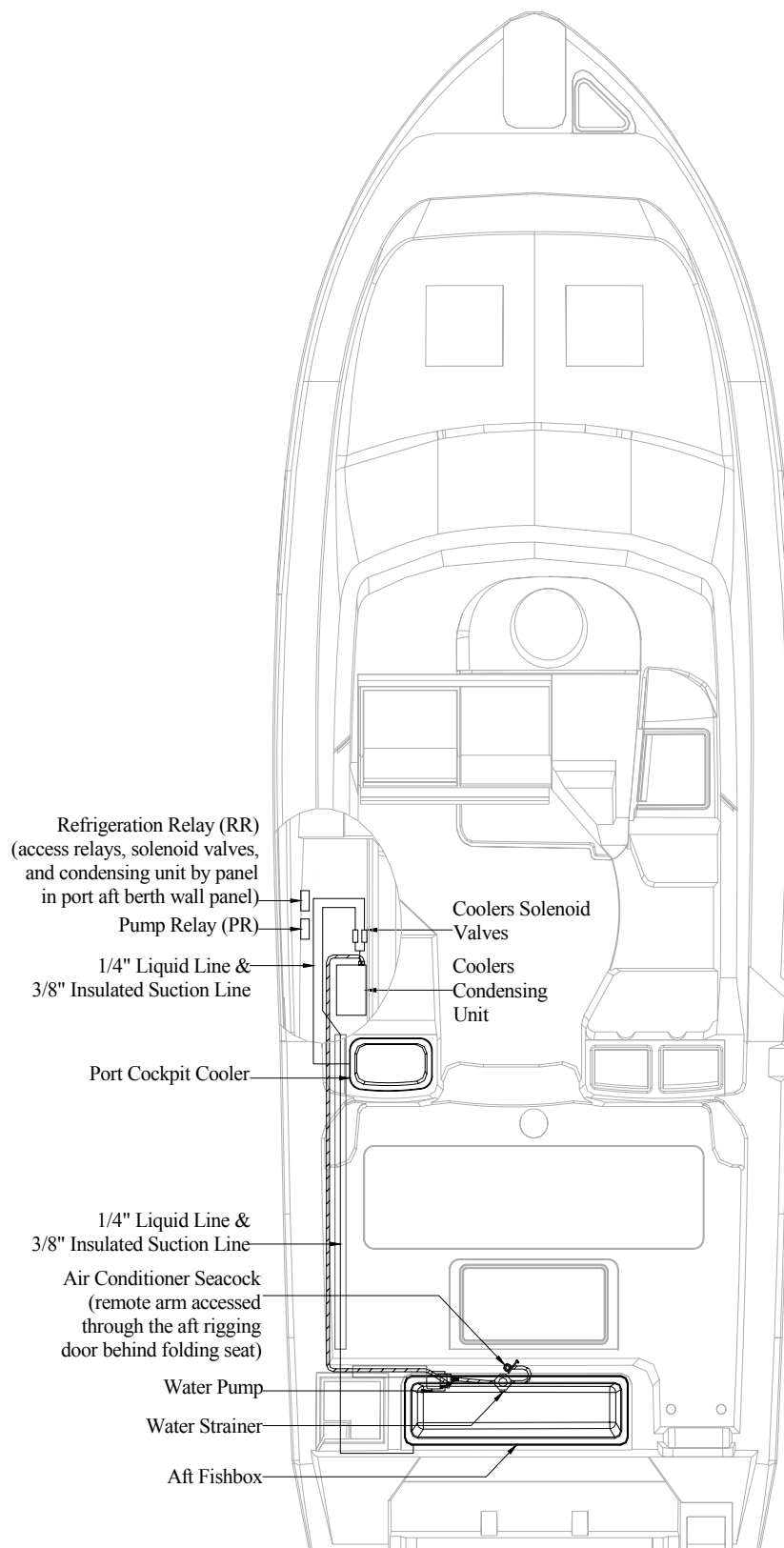
***Fuel System***



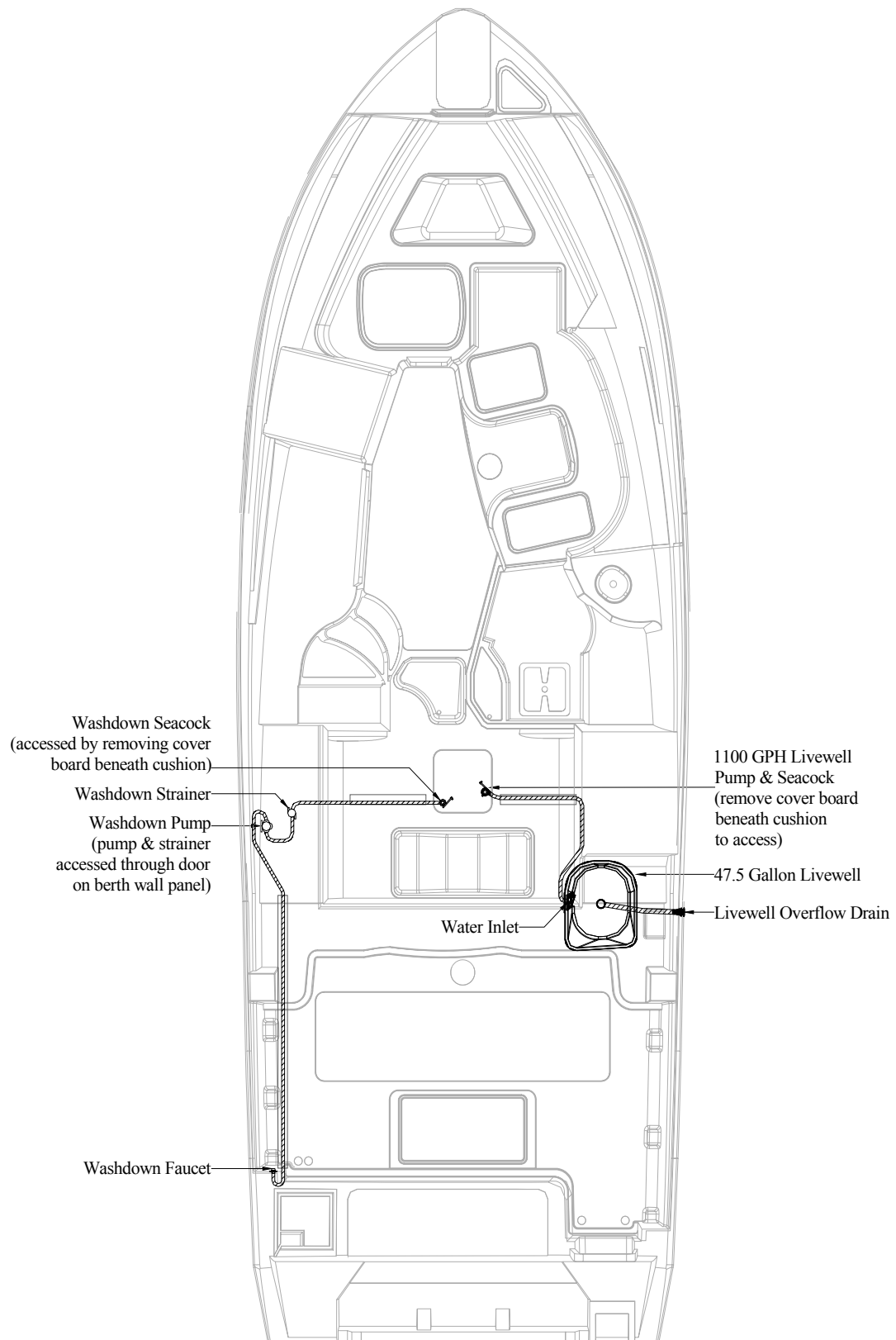
## Air Conditioning Layout



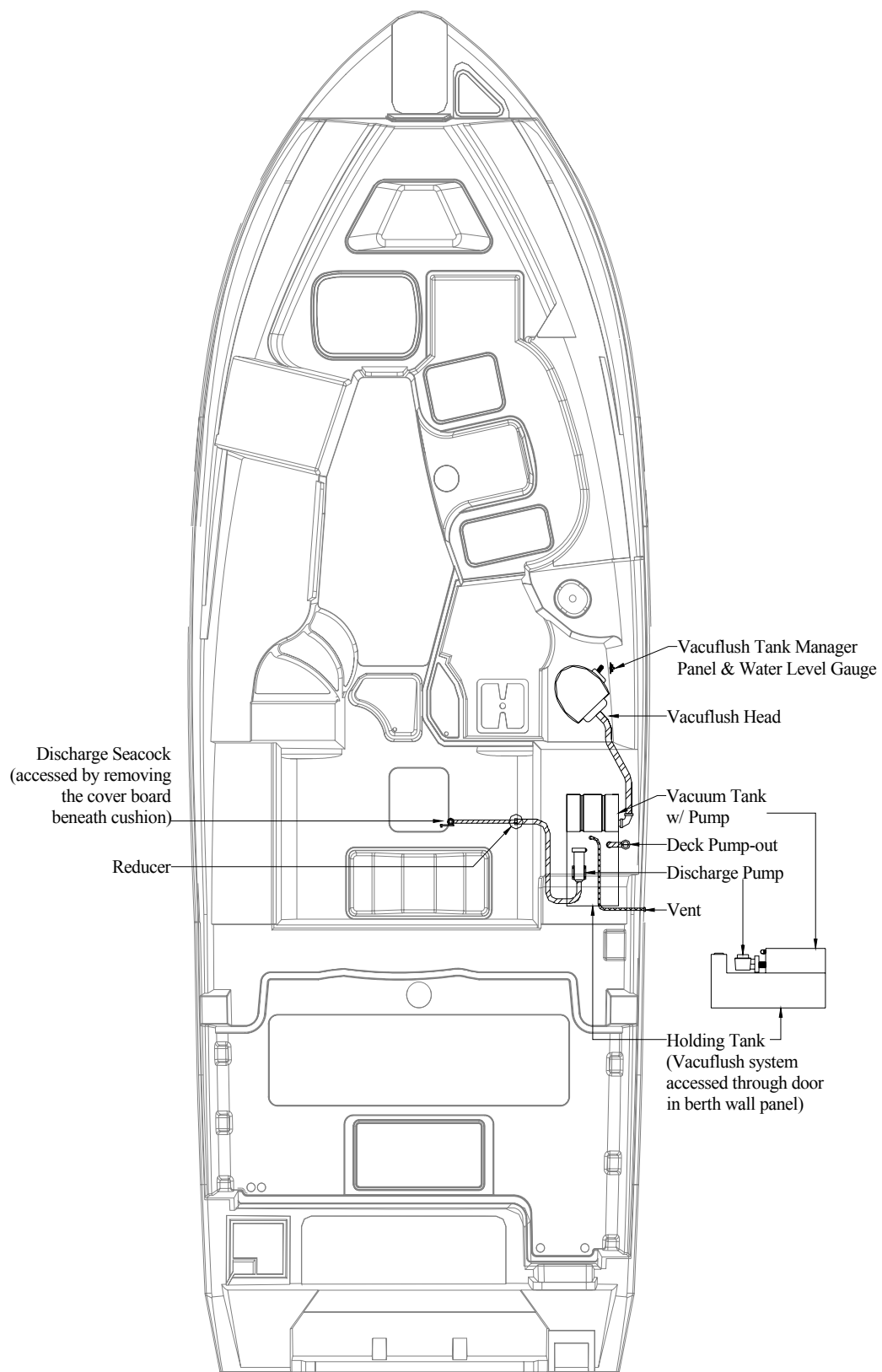
***Cockpit Coolers Layout***



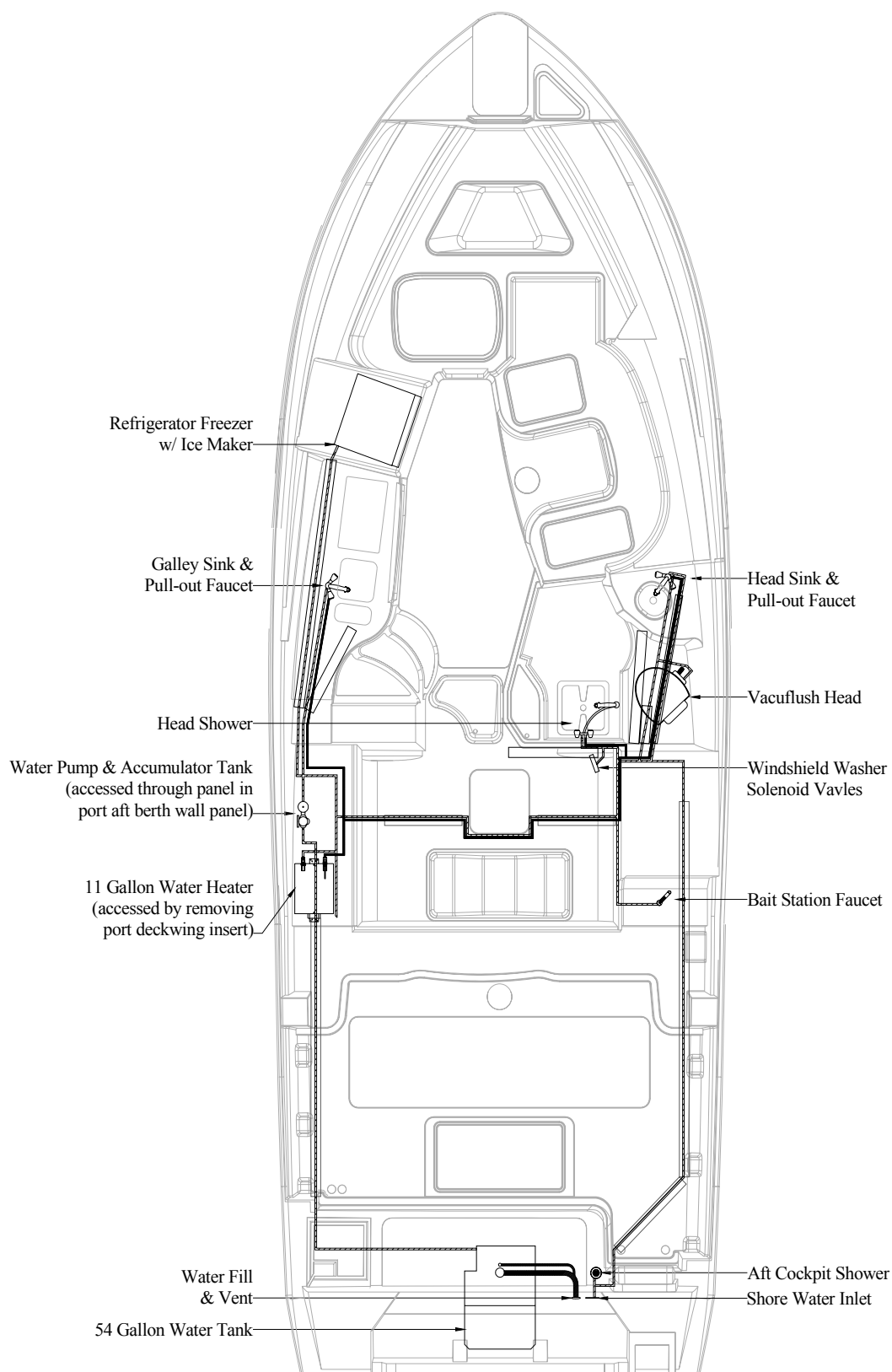
## *Livewell/Washdown System Layout*



***Vacuflush Head Layout***



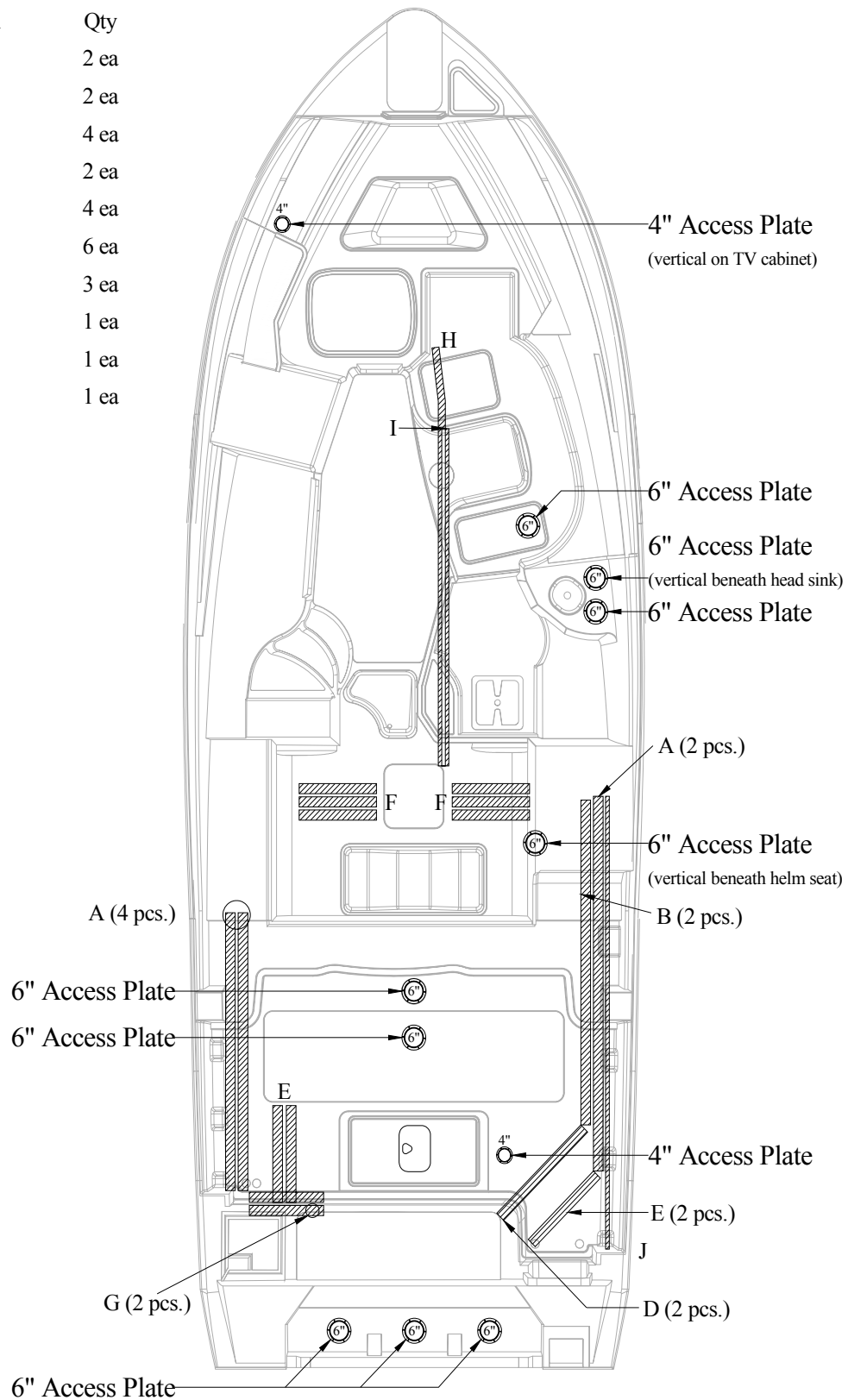
## *Pressurized Fresh Water System Layout*





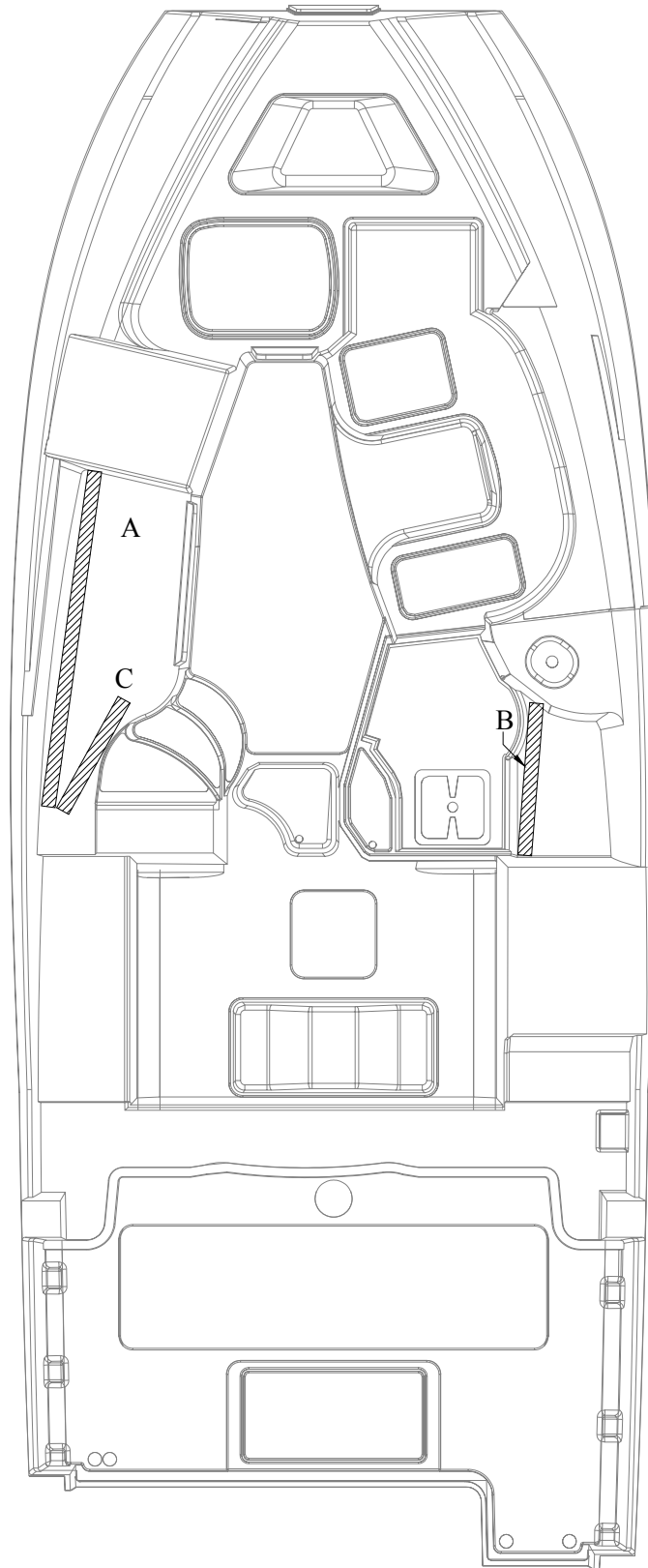
## Access Plate And Hull Rigging Tube Locations

#	Description	Qty
A	3" X 120"	2 ea
B	3" X 104"	2 ea
C	3" X 89"	4 ea
D	3" X 40"	2 ea
E	3" X 31"	4 ea
F	3" X 26"	6 ea
G	3" X 25"	3 ea
H	2" X 134"	1 ea
I	2" X 108"	1 ea
J	1" X 145"	1 ea

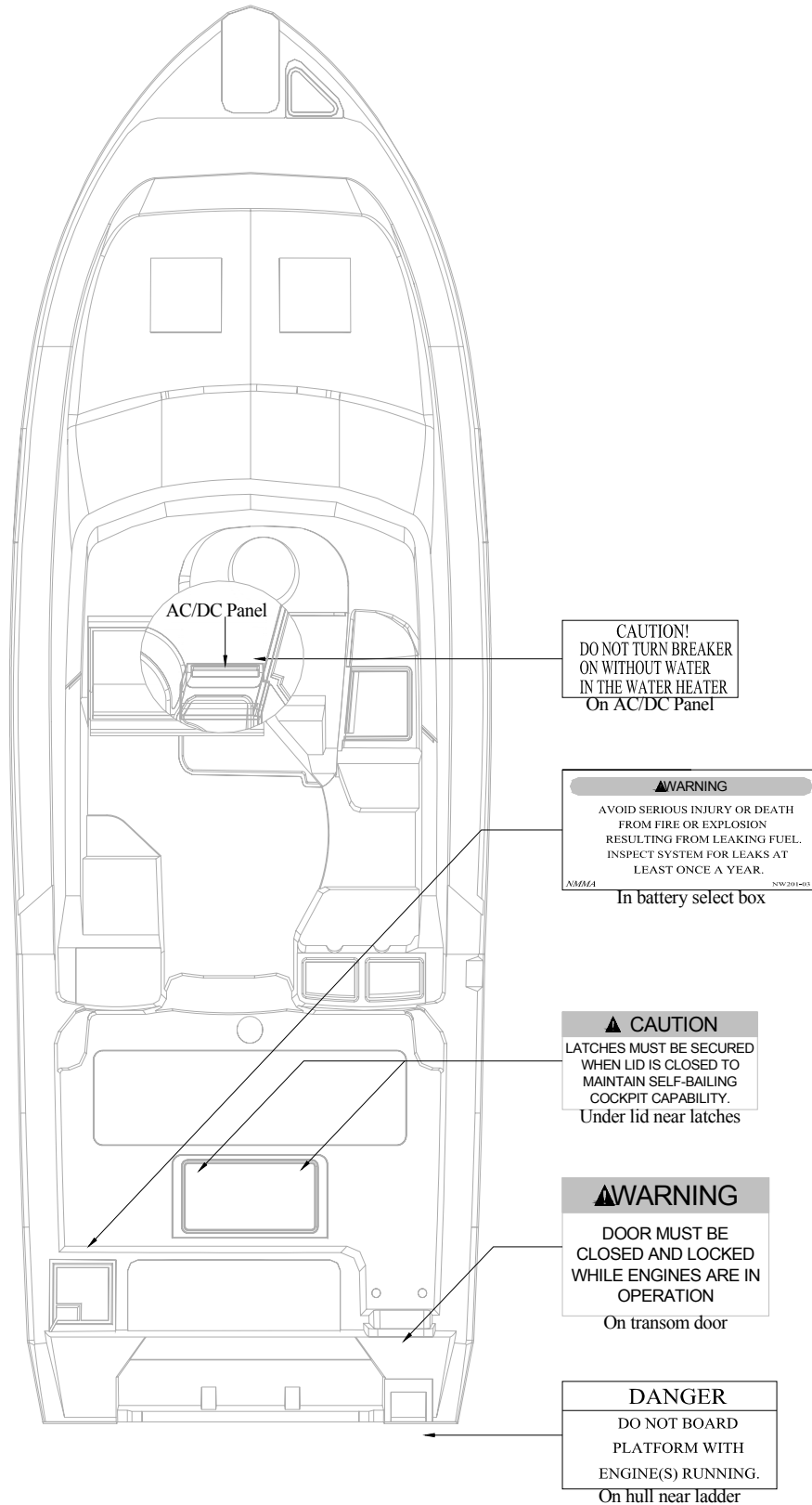


## Liner Rigging Tubes

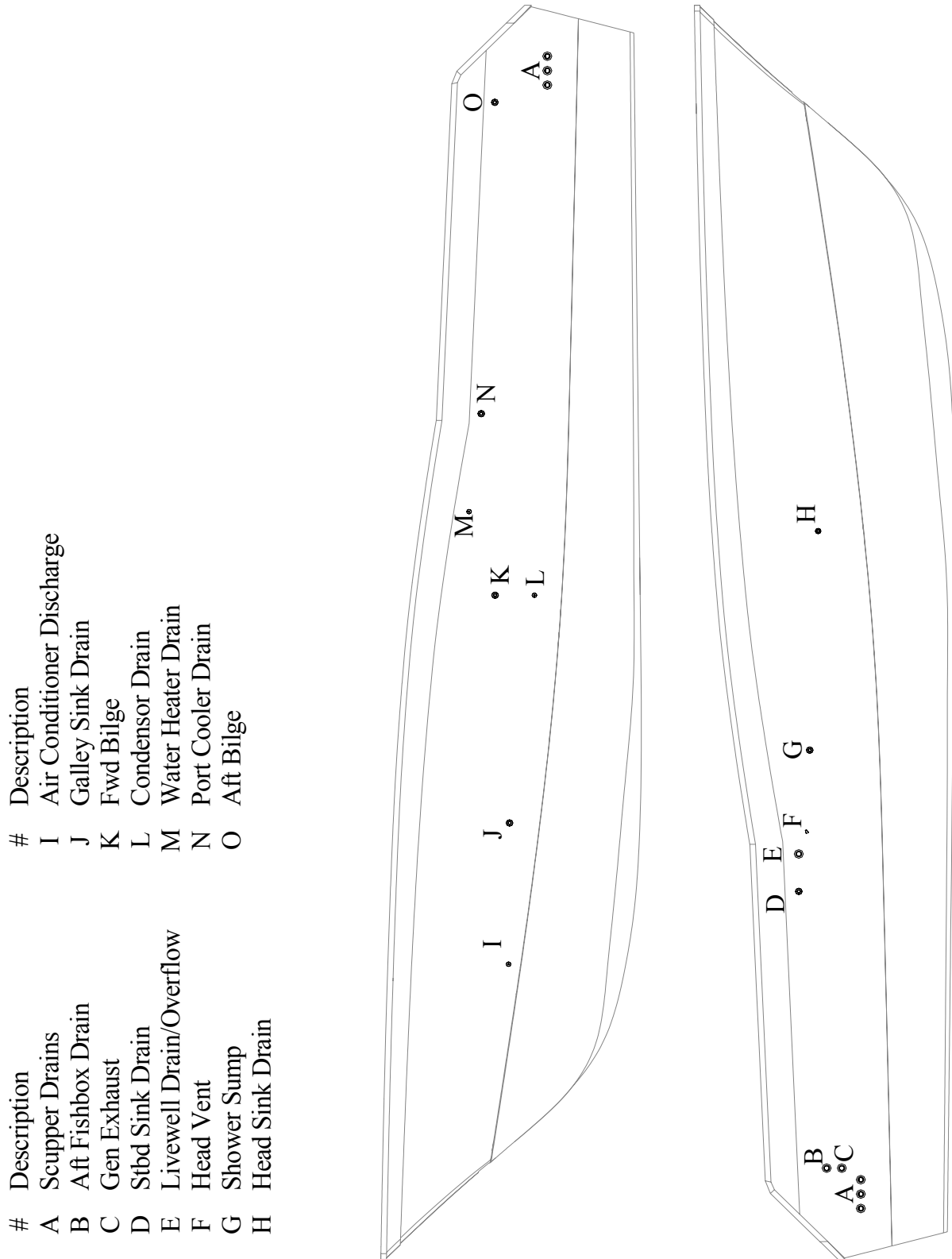
#	Description	Qty.
A	3" x 80"	1
B	3" x 36"	1
C	3" x 30"	1



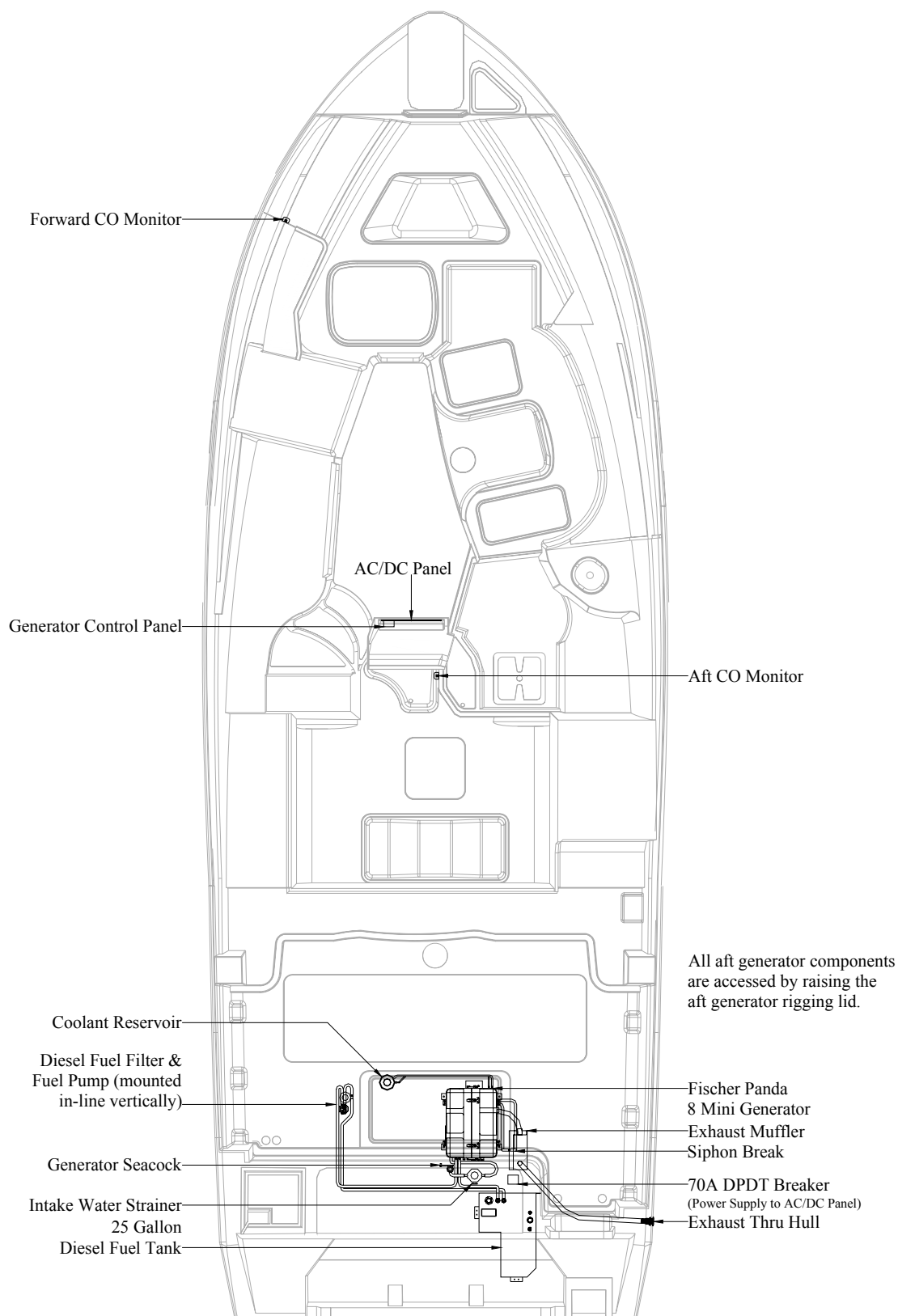
## Safety Labels And Location



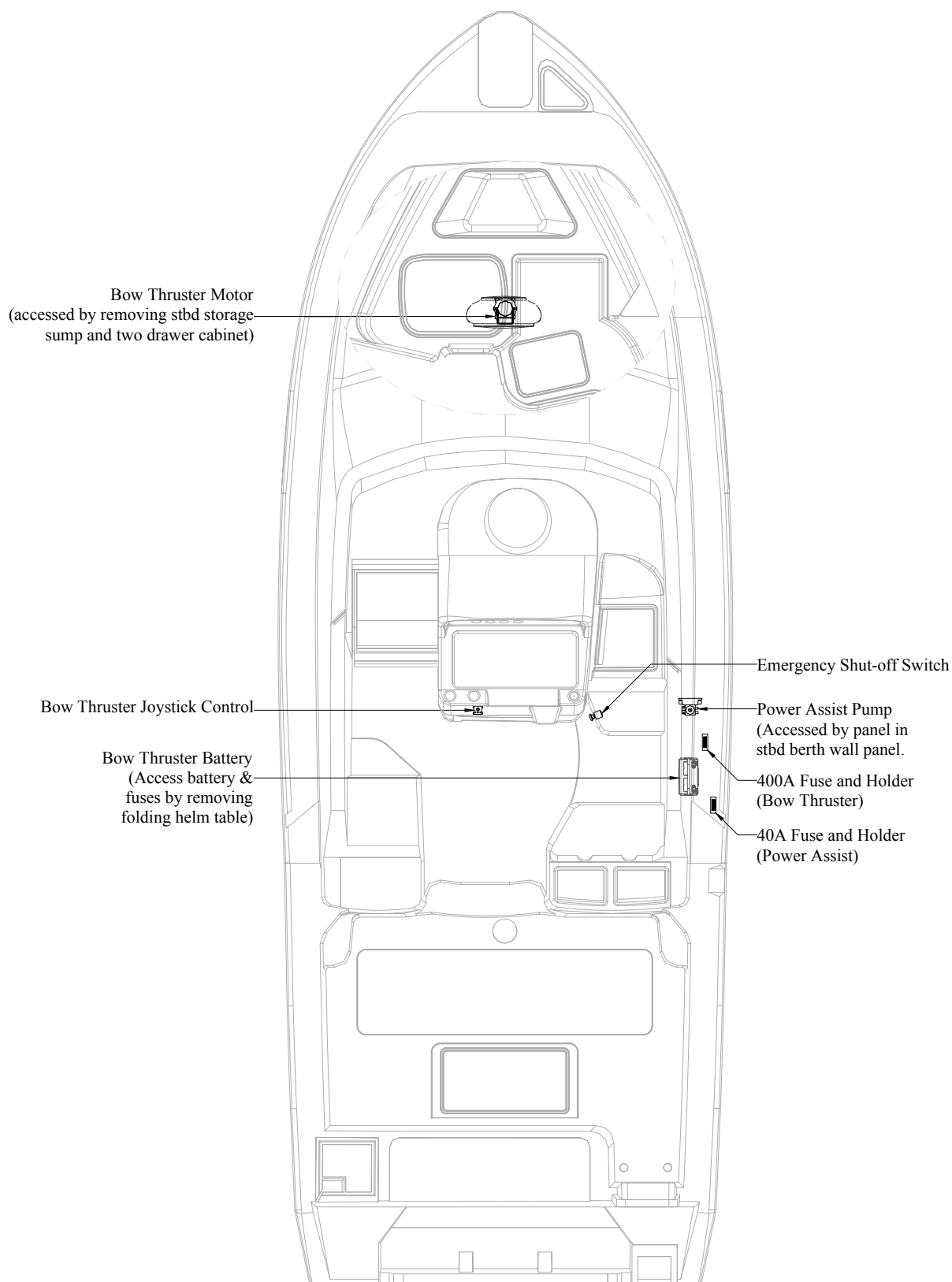
Thru Hull Detail



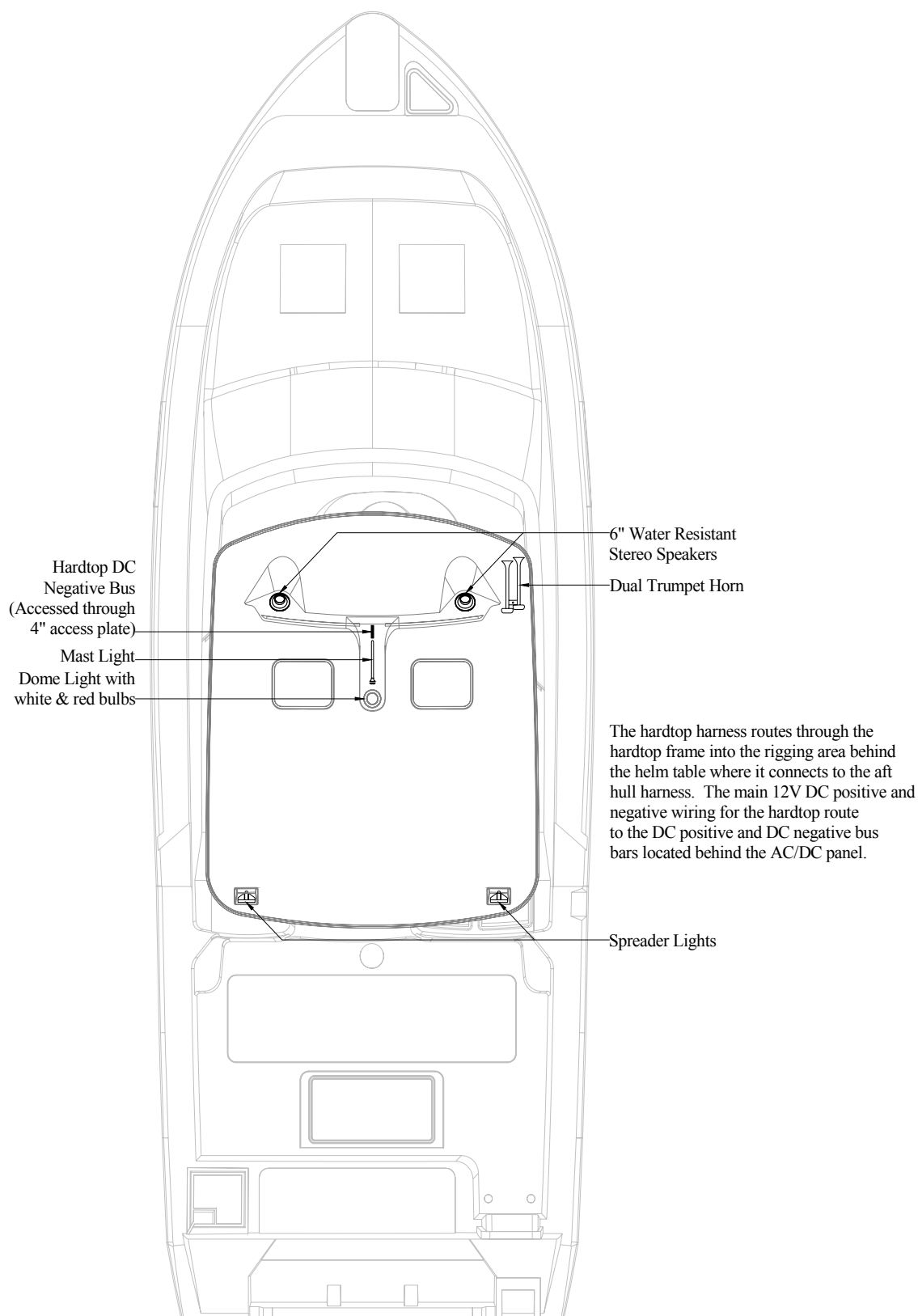
## Generator Layout



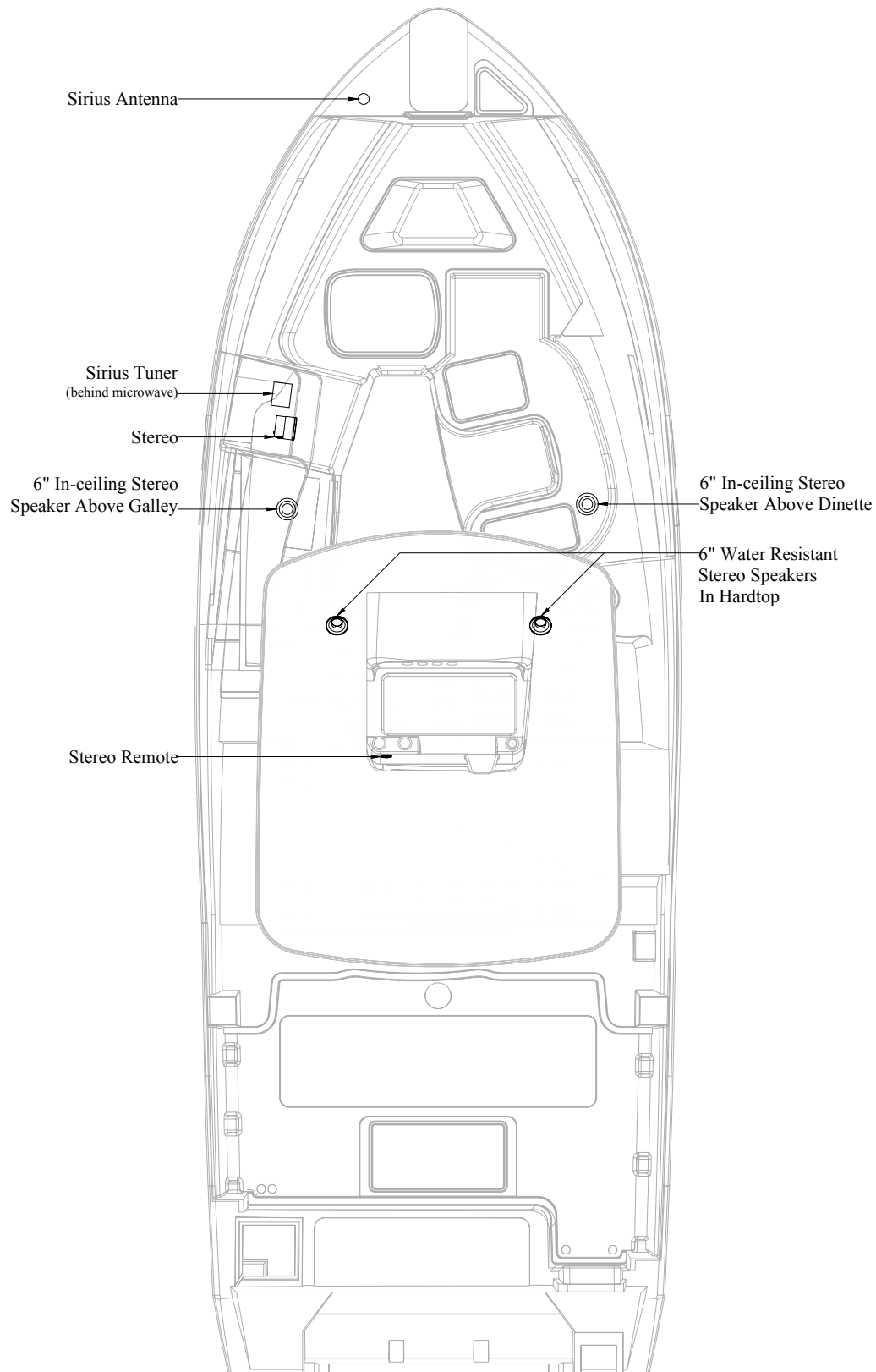
## *Bow Thruster & Power Assist Layout*



## Hardtop Accessories Layout

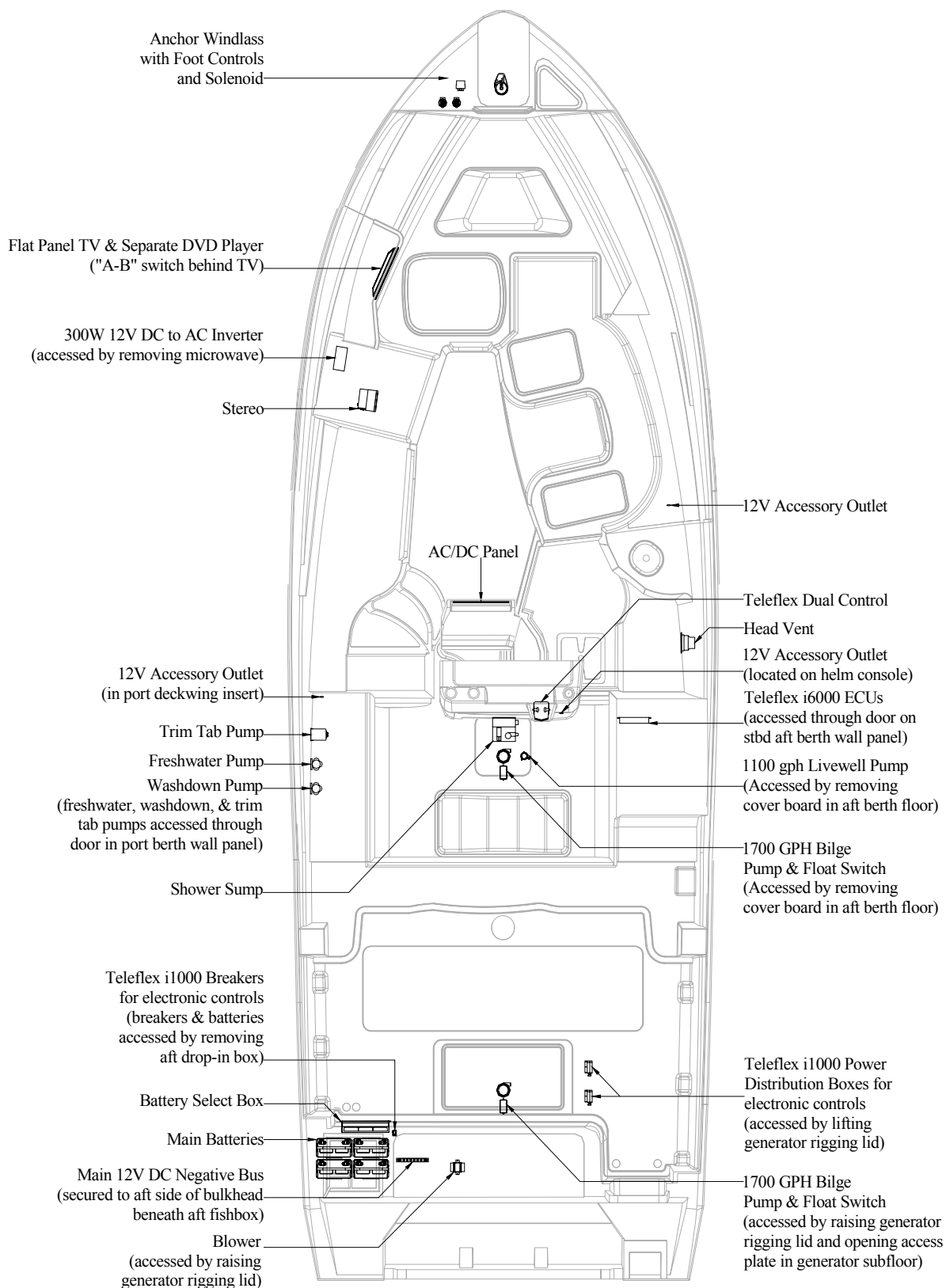


## Stereo Layout

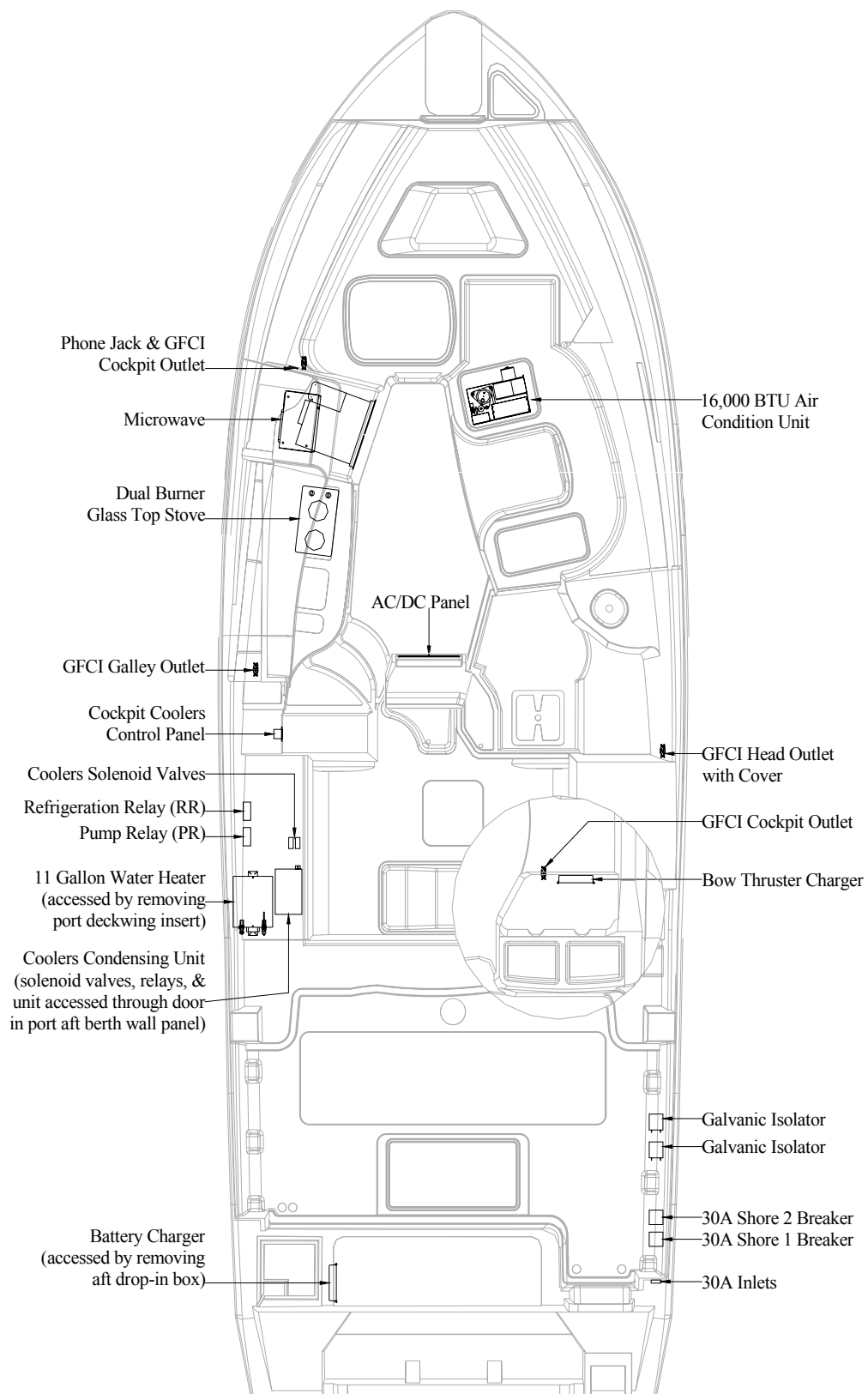




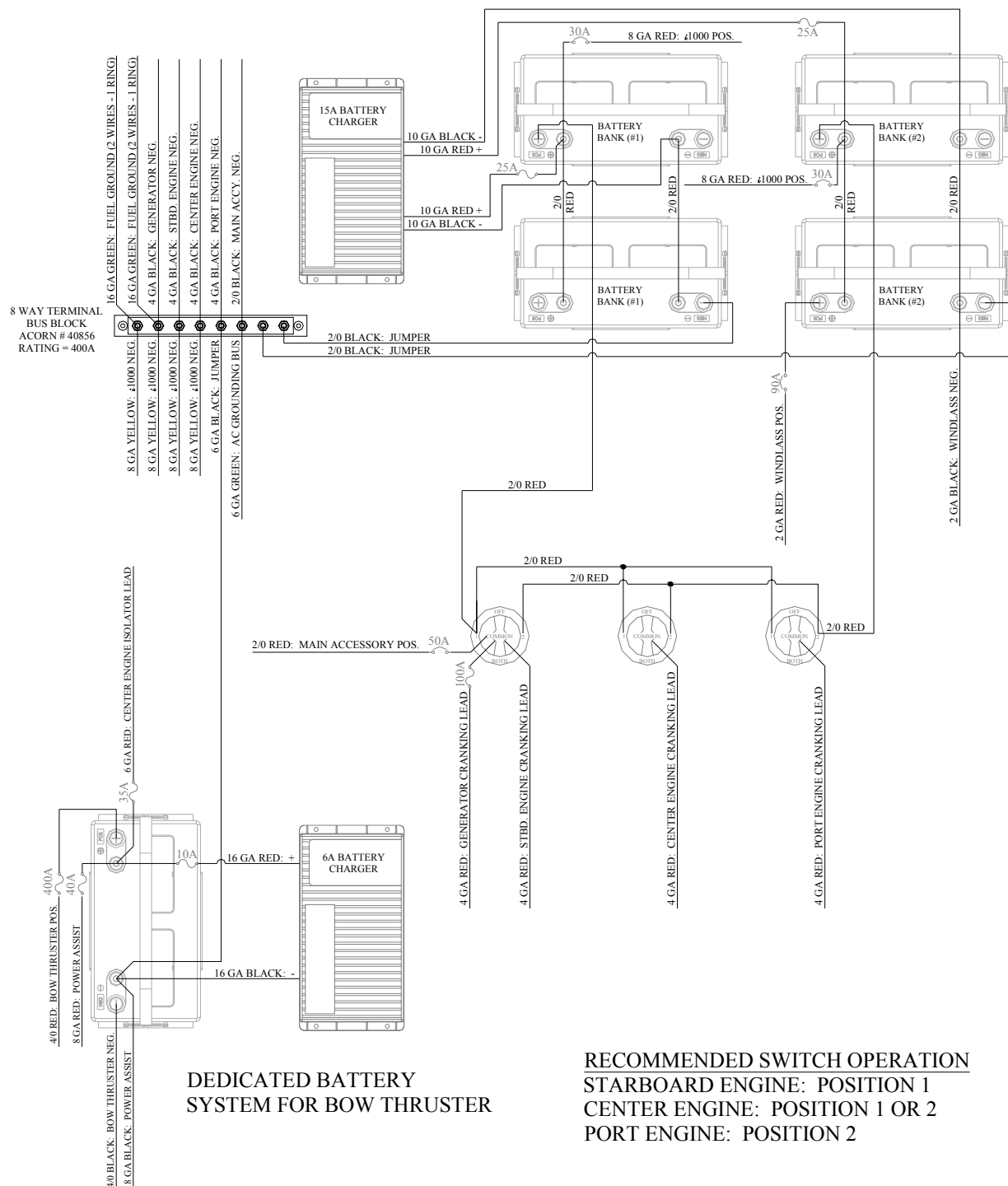
## 12 Volt DC Accessory Locations



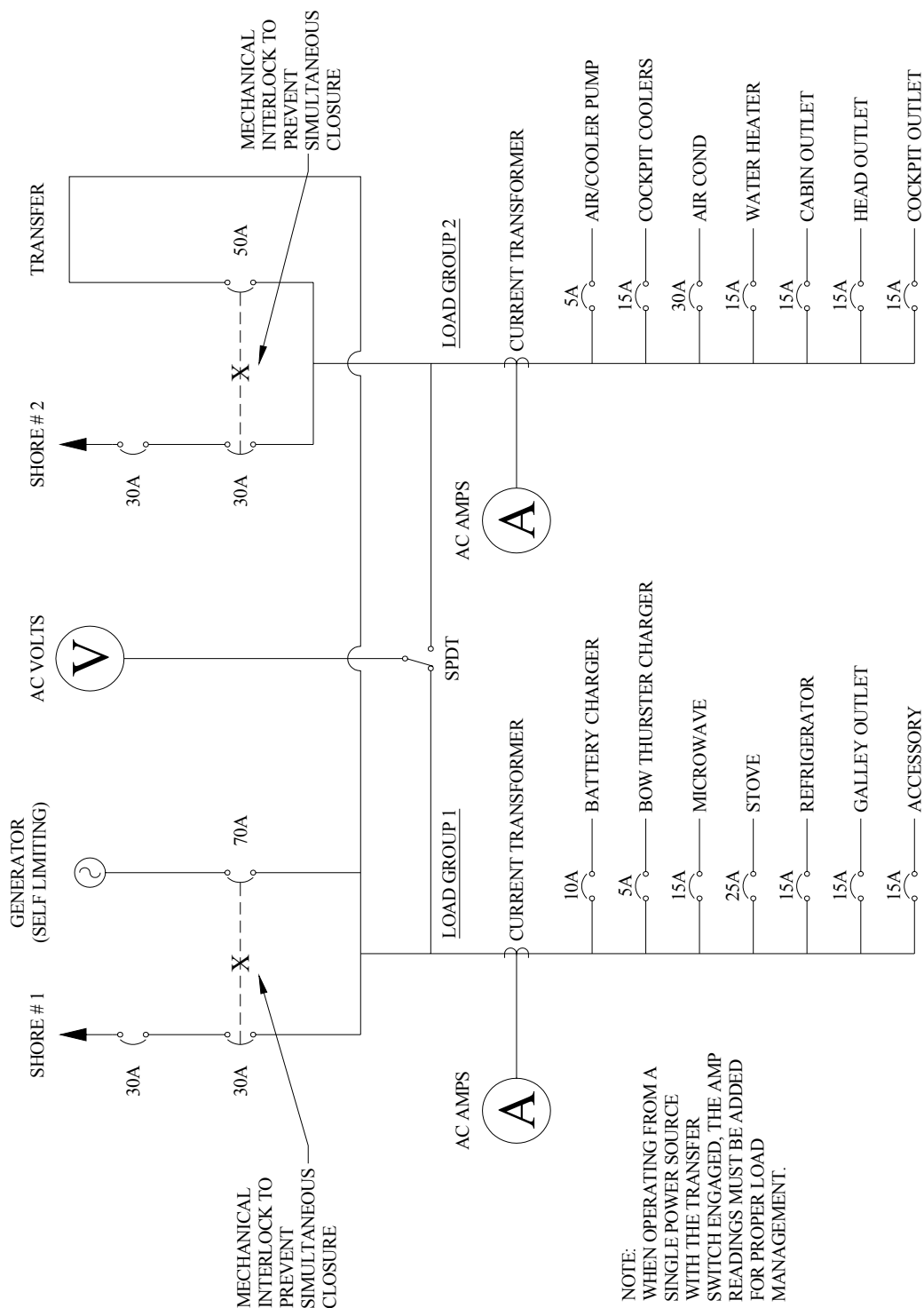
## 120 Volt AC Accessory Locations



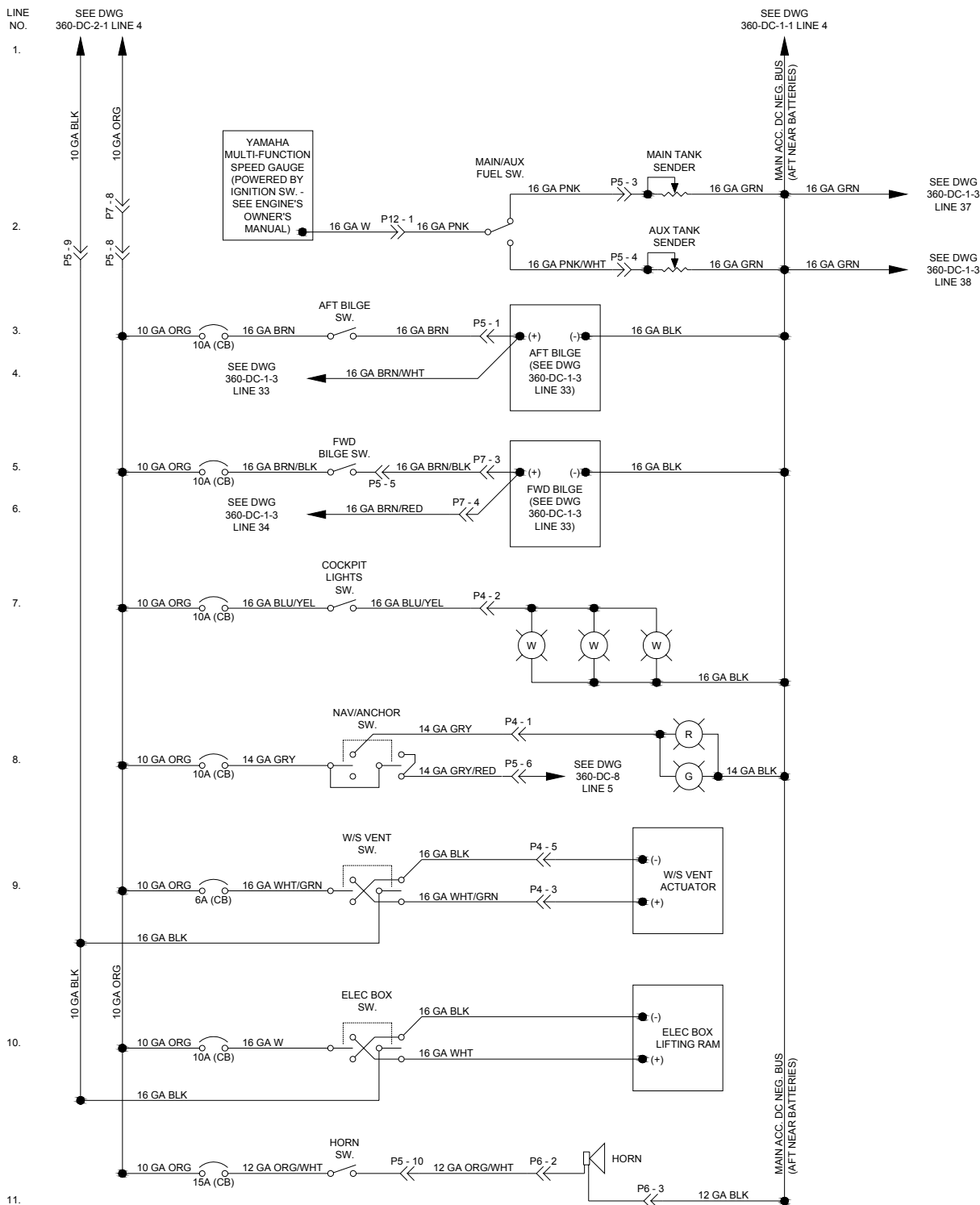
## Battery Wiring With Select Switches



## AC/DC Panel Wiring – One-Line Diagram



## 12 Volt DC Helm Switch Panel Diagram

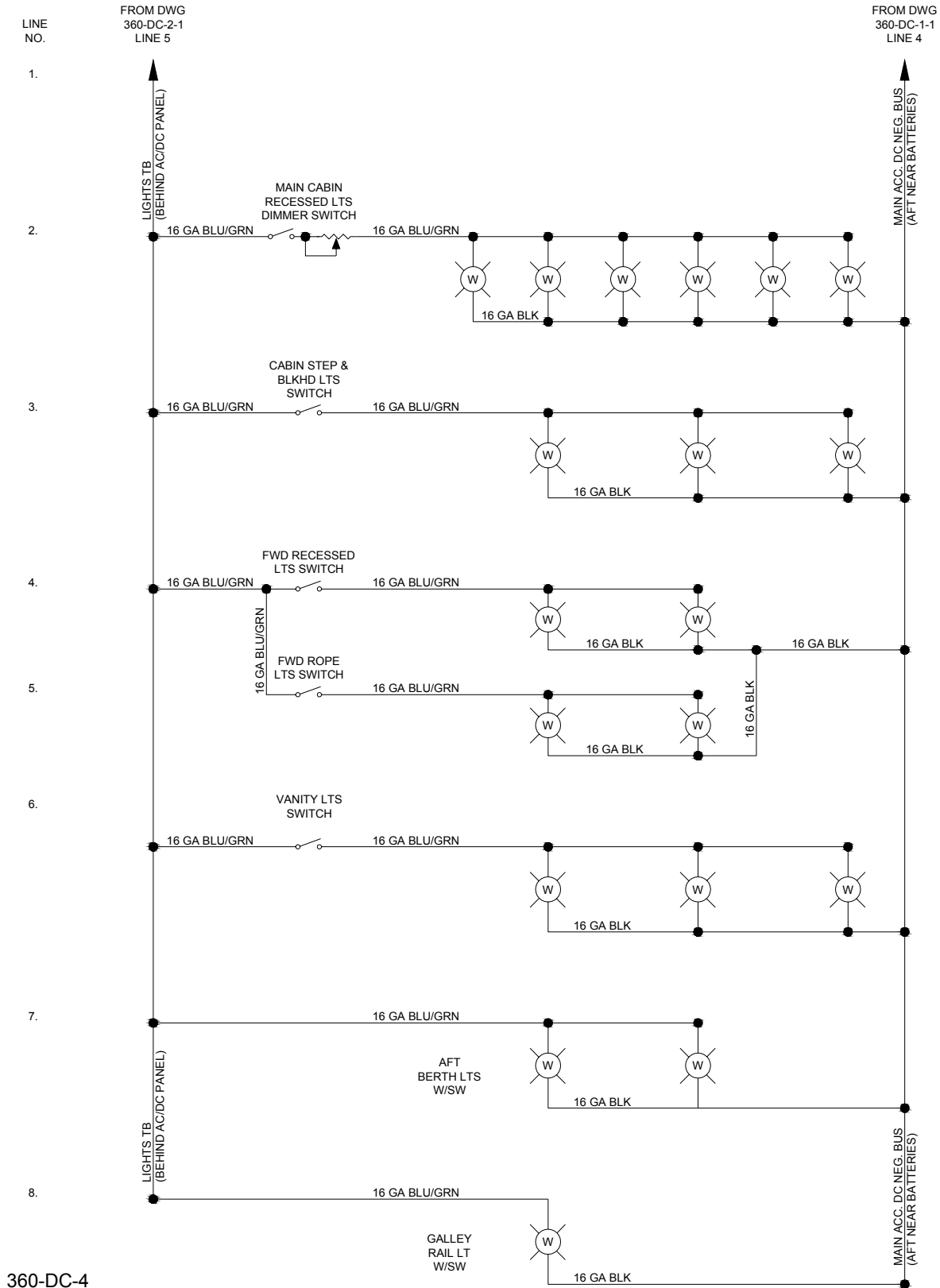


### NOTES:

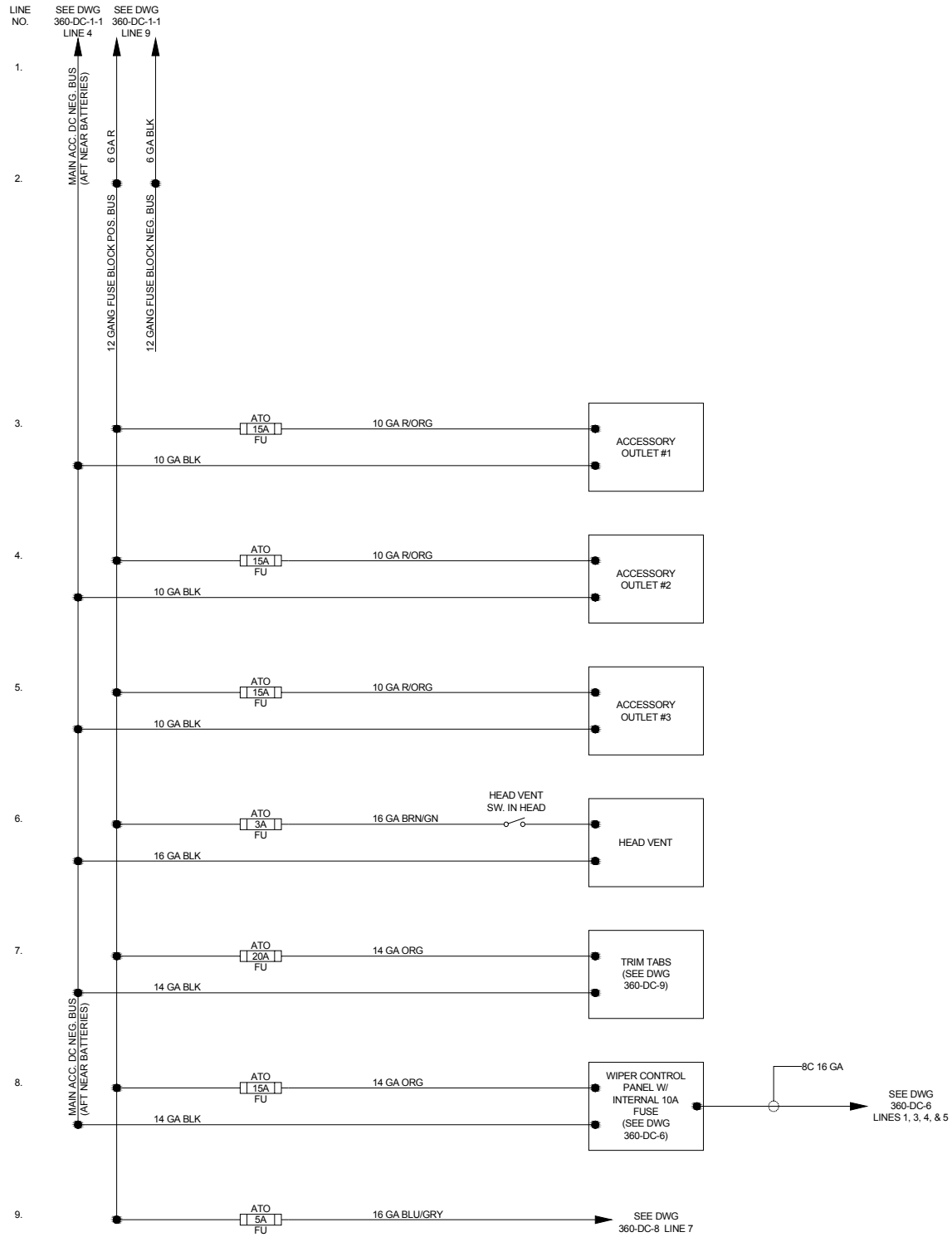
- 1) SEE DWG 360-DC-7 FOR WINDLASS SWITCH DETAIL
- 2) SEE LAYOUT DRAWINGS FOR COMPONENT LOCATIONS

360-DC-3

## 12 Volt DC Lighting Diagram



## 12 Volt DC Fuse Block Diagram

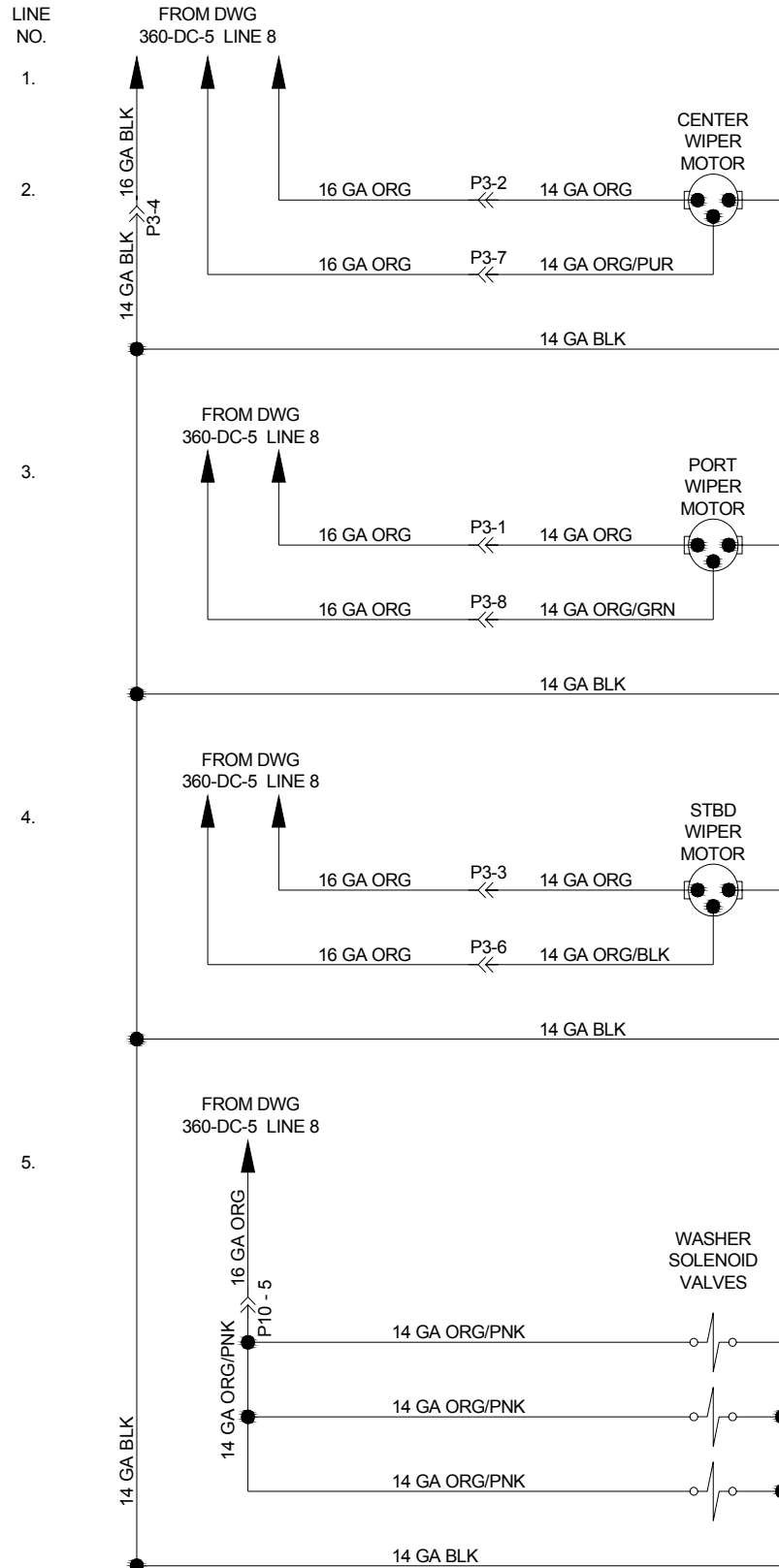


OTES:

○— INDICATES MULTI-CONDUCTOR CABLE

360-DC-5

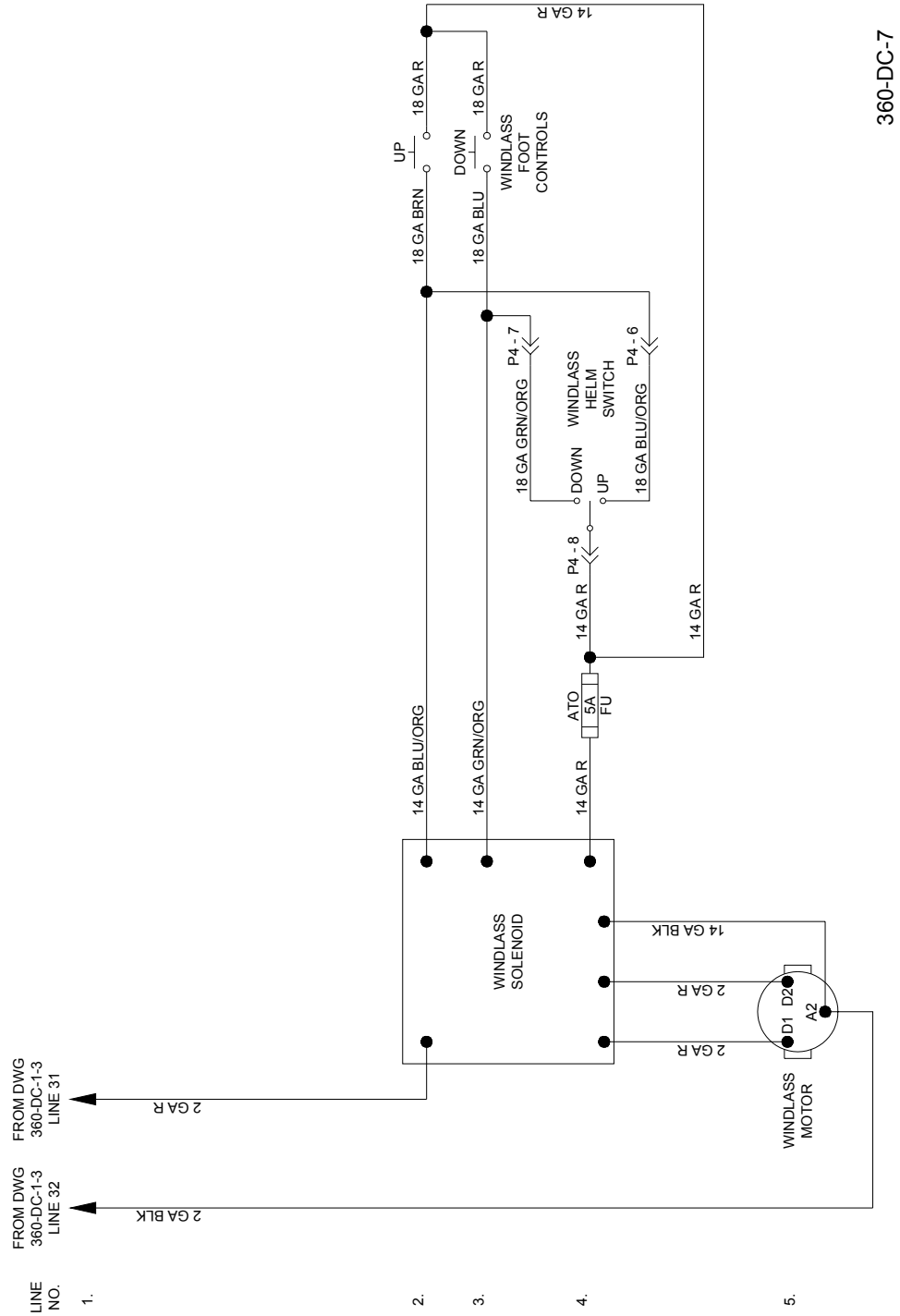
## 12 Volt DC Wiper/Washer System Diagram



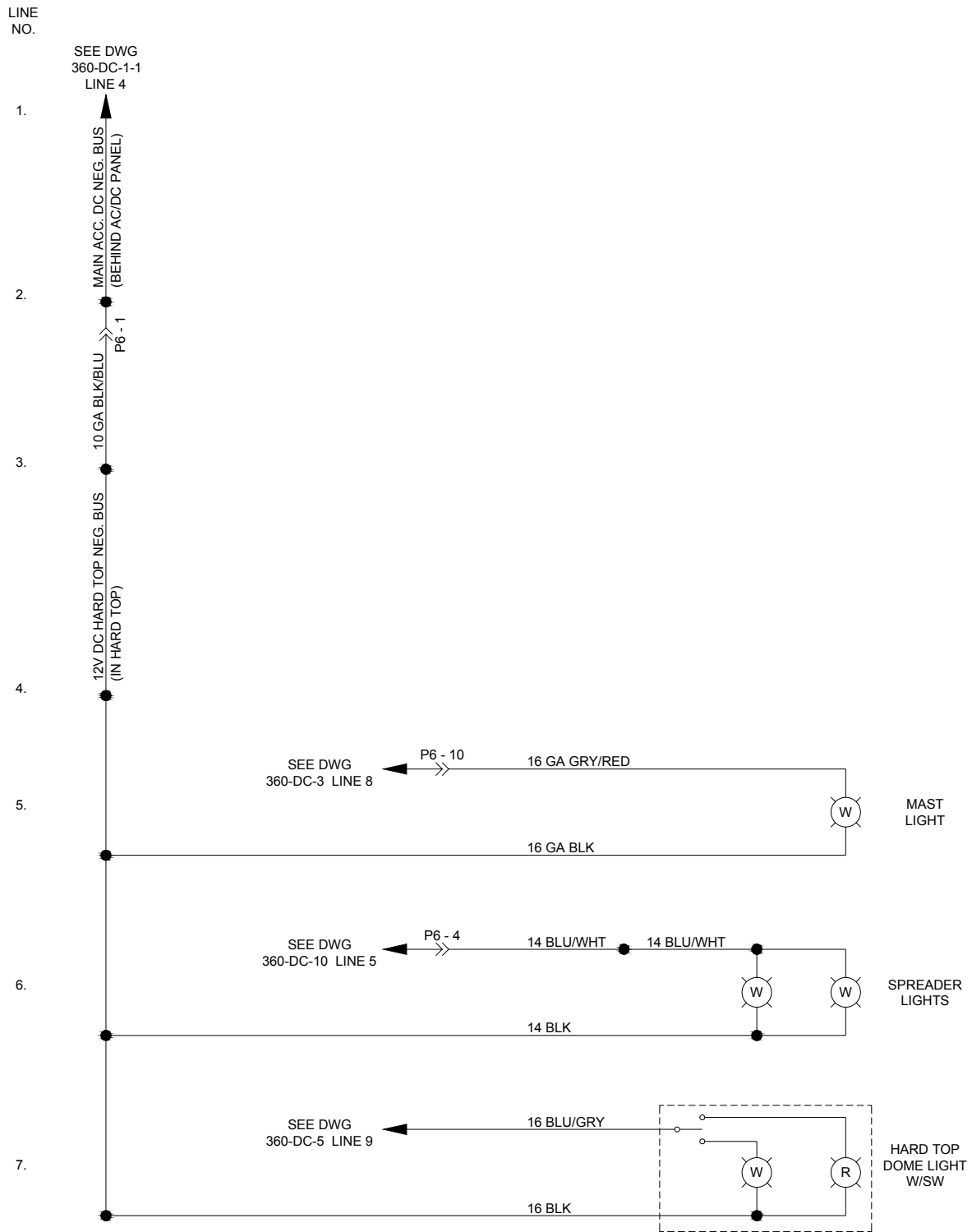
360-DC-6



## 12 Volt DC Anchor Windlass Diagram

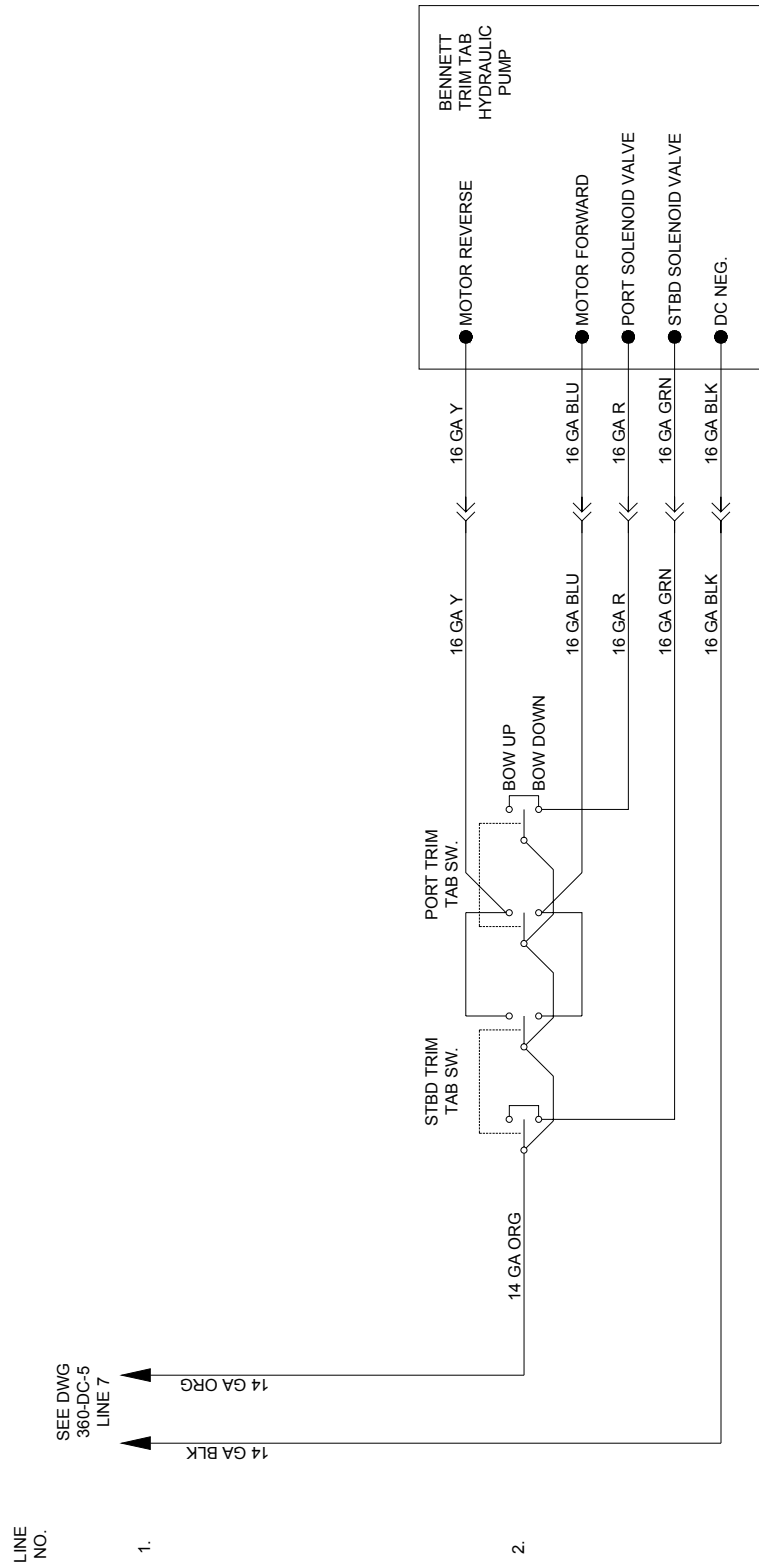


## 12 Volt DC Hard Top Elementary Diagram



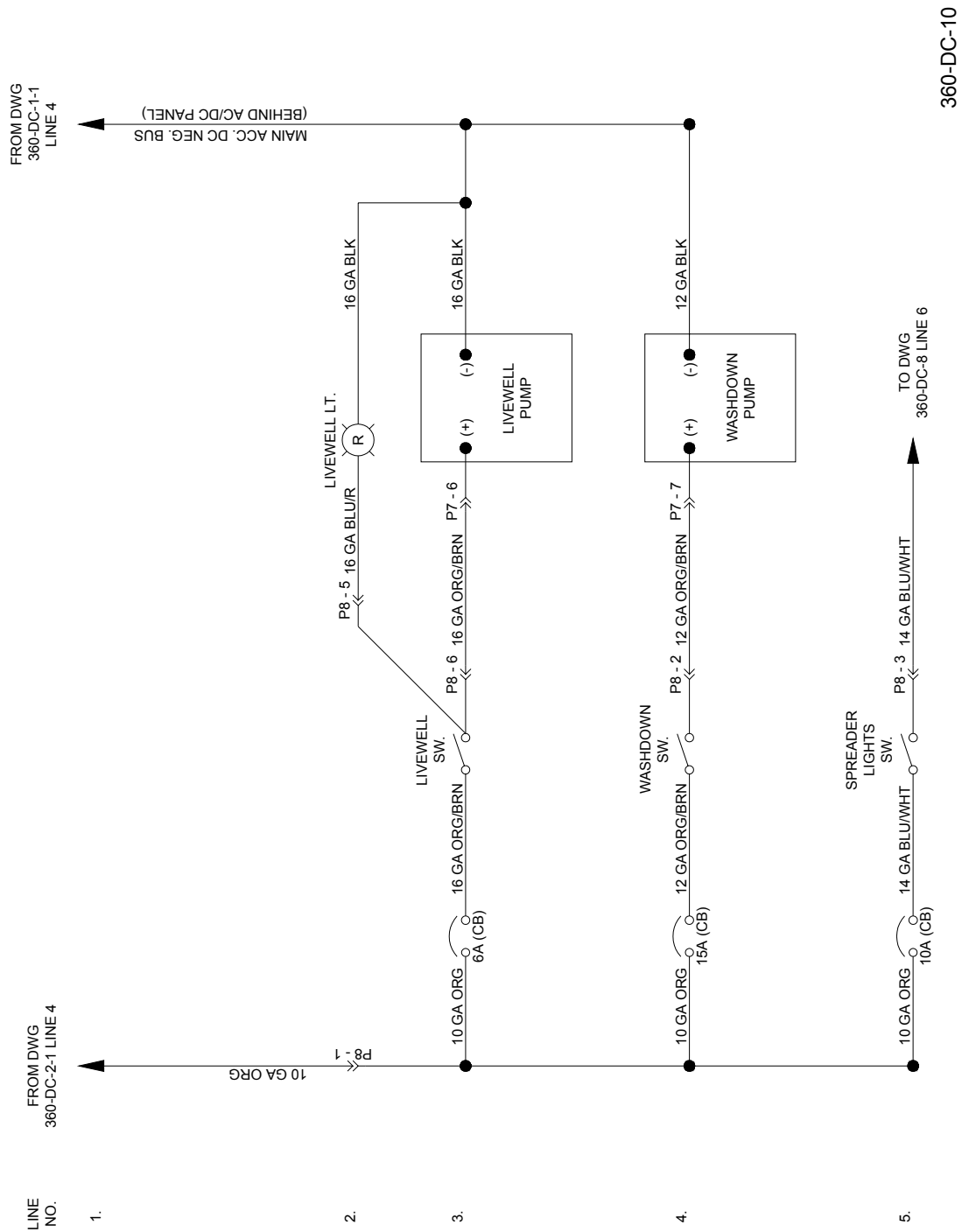
360-DC-8

# 12 Volt DC Trim Tab Diagram

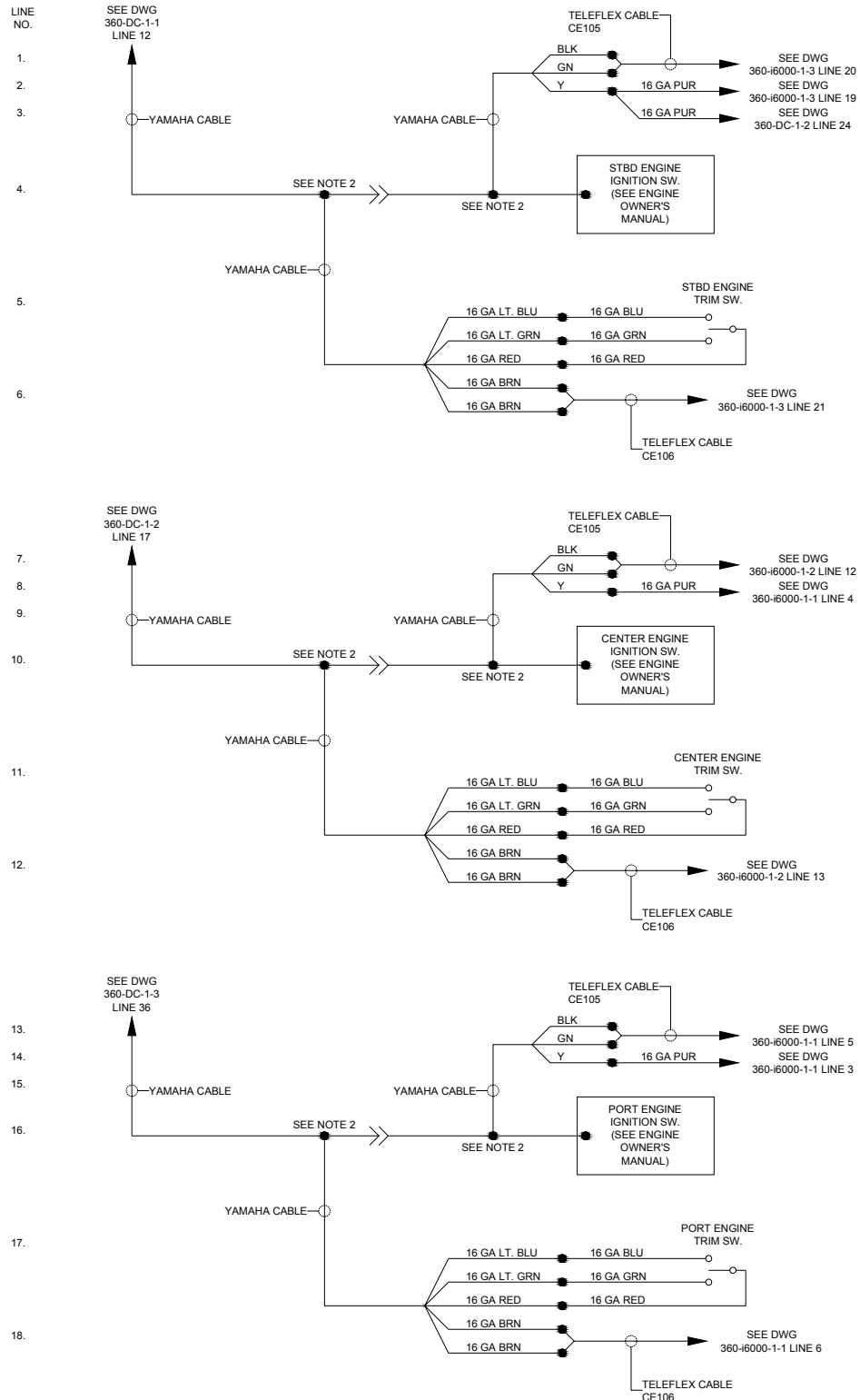


360-DC-9

## 12 Volt DC Cockpit Switch Panel Diagram



## 12 Volt DC Ignition Circuit & Trim Diagram

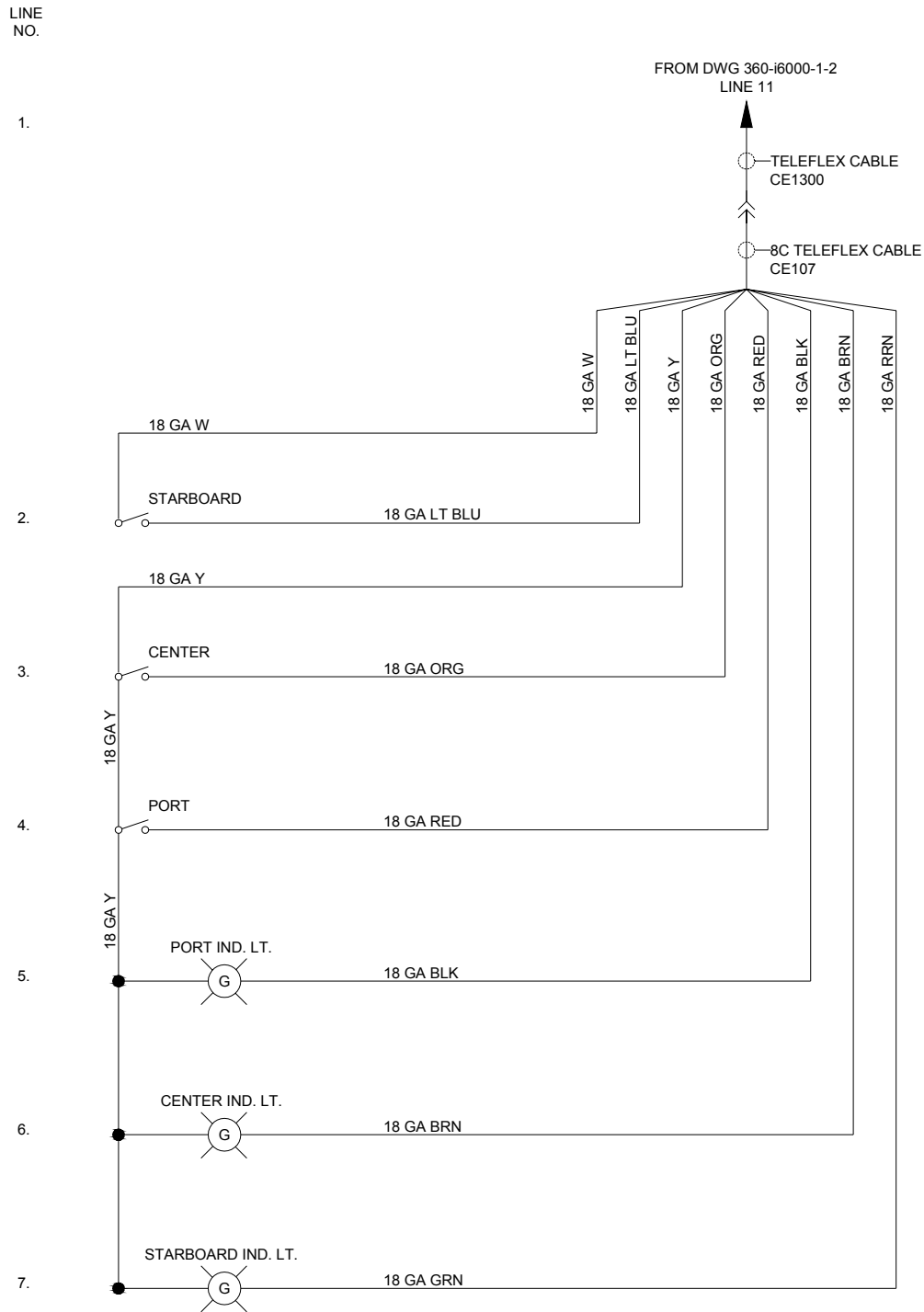


### NOTES:

- 1) ○— INDICATES MULTI-CONDUCTOR CABLE
- 2) YAMAHA CABLE SPLITS AS SHOWN

360-DC-11

### *12 Volt DC i6000 Engine Switches Diagram*

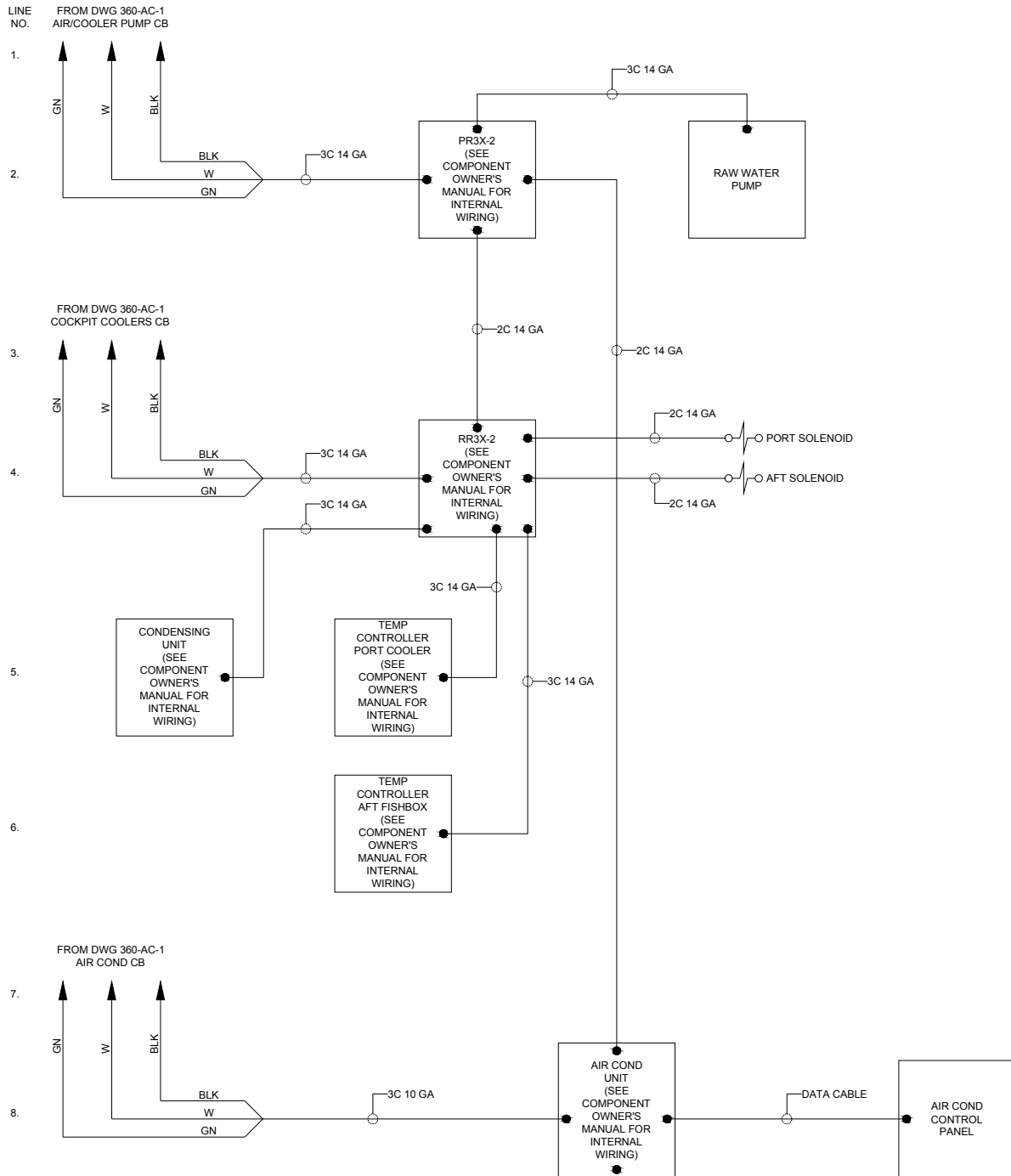


NOTES:

- 1)  INDICATES MULTI-CONDUCTOR CABLE

360-i6000-2

## Air Condition & Cockpit Coolers One-Line Diagram

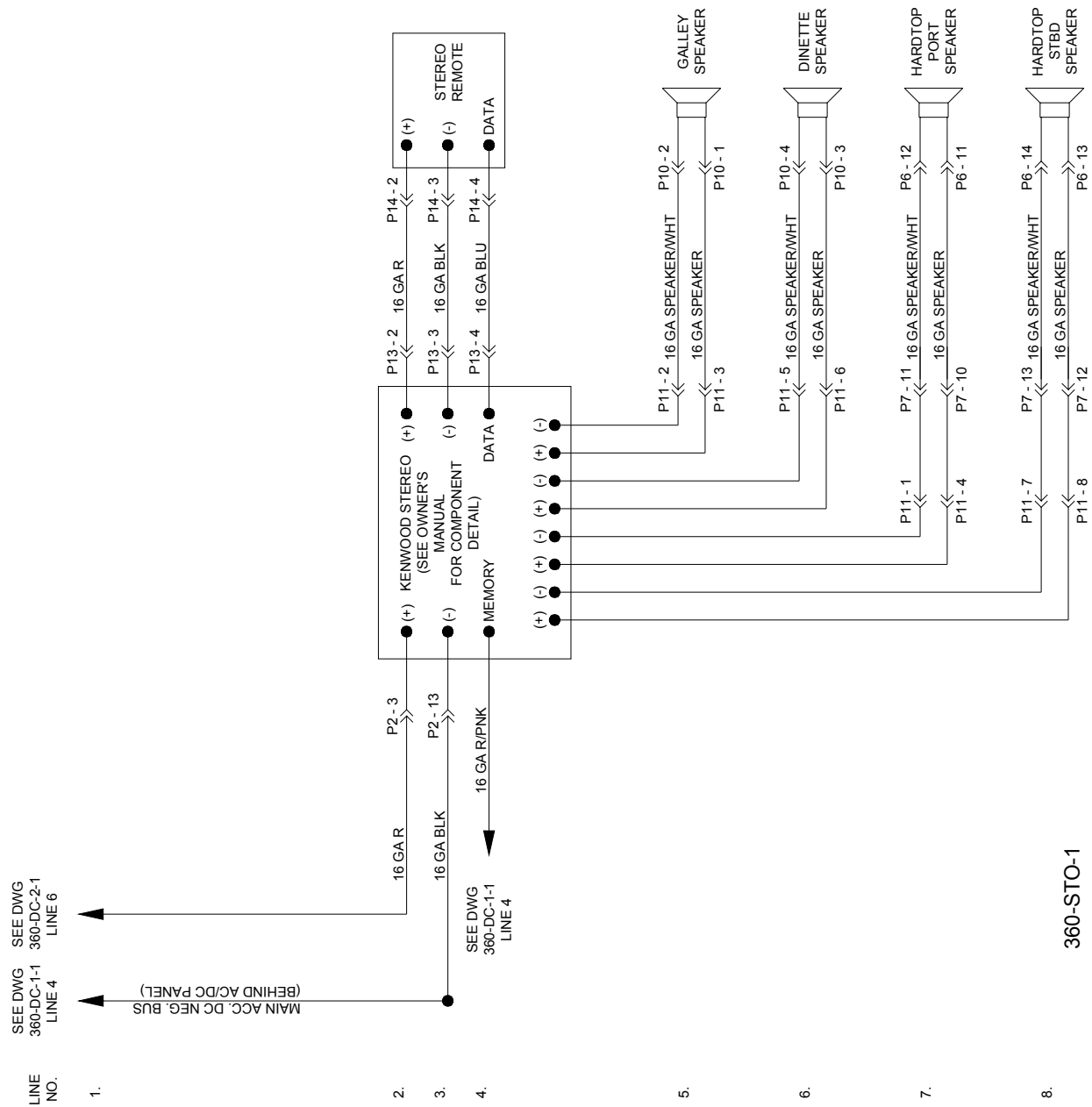


### NOTES:

- 1) ○— INDICATES MULTI-CONDUCTOR CABLE

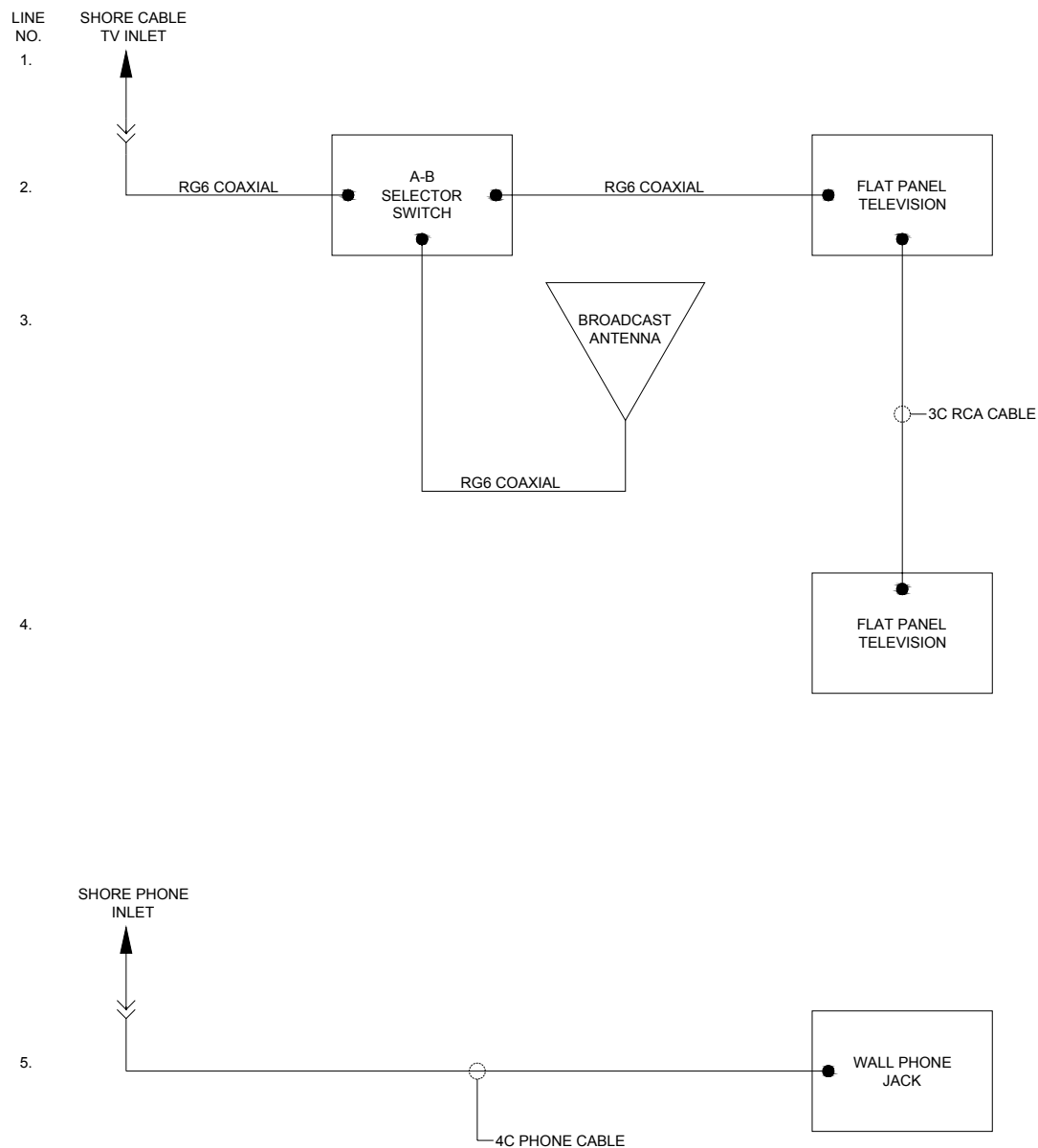
360-Air Cond-1

Stereo System Diagram





## TV/DVD and Phone Diagram



### NOTES:

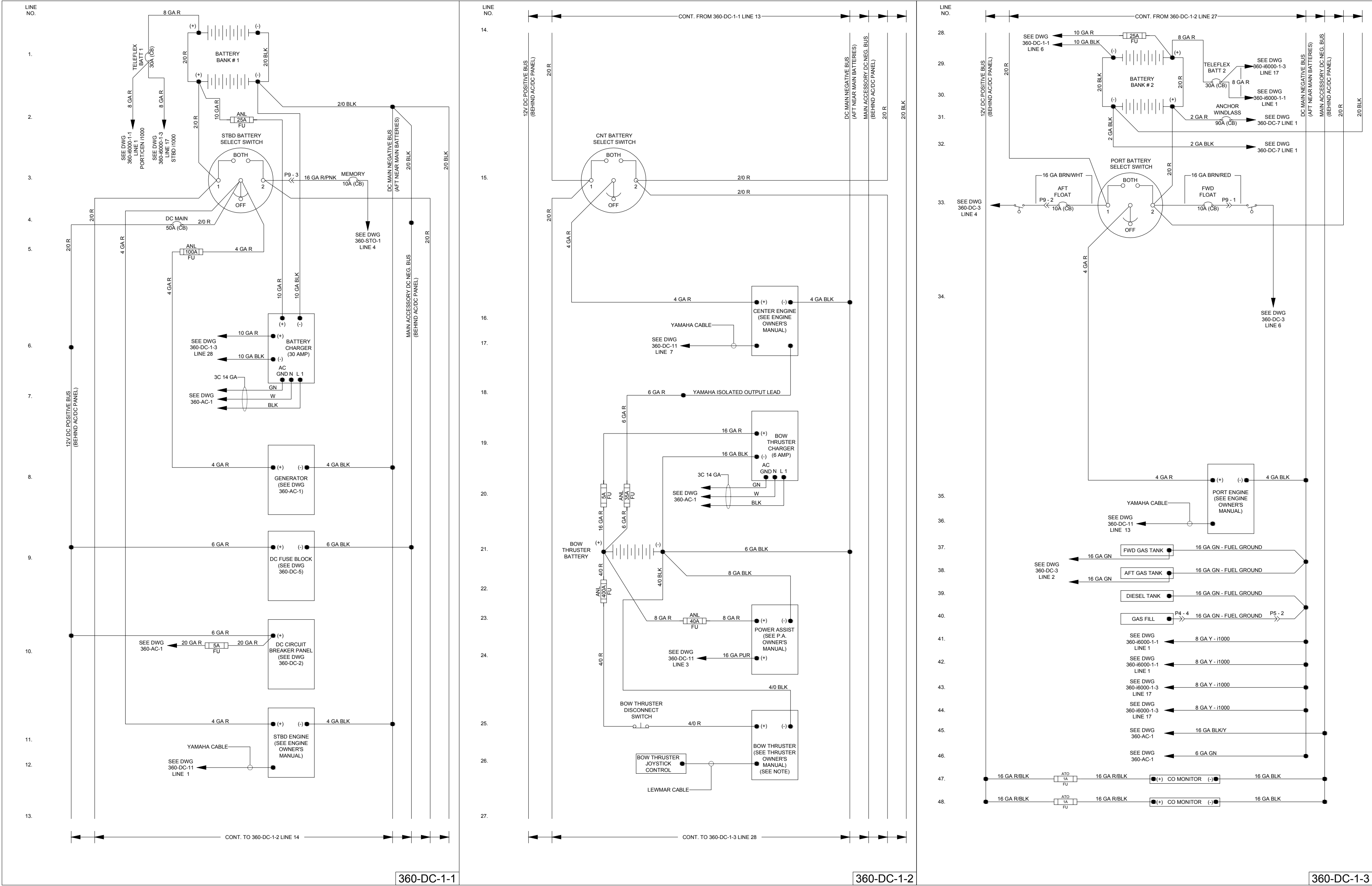
- 1) ○— INDICATES MULTI-CONDUCTOR CABLE

360-TV-1

## *Electrical Plug Connection Detail*

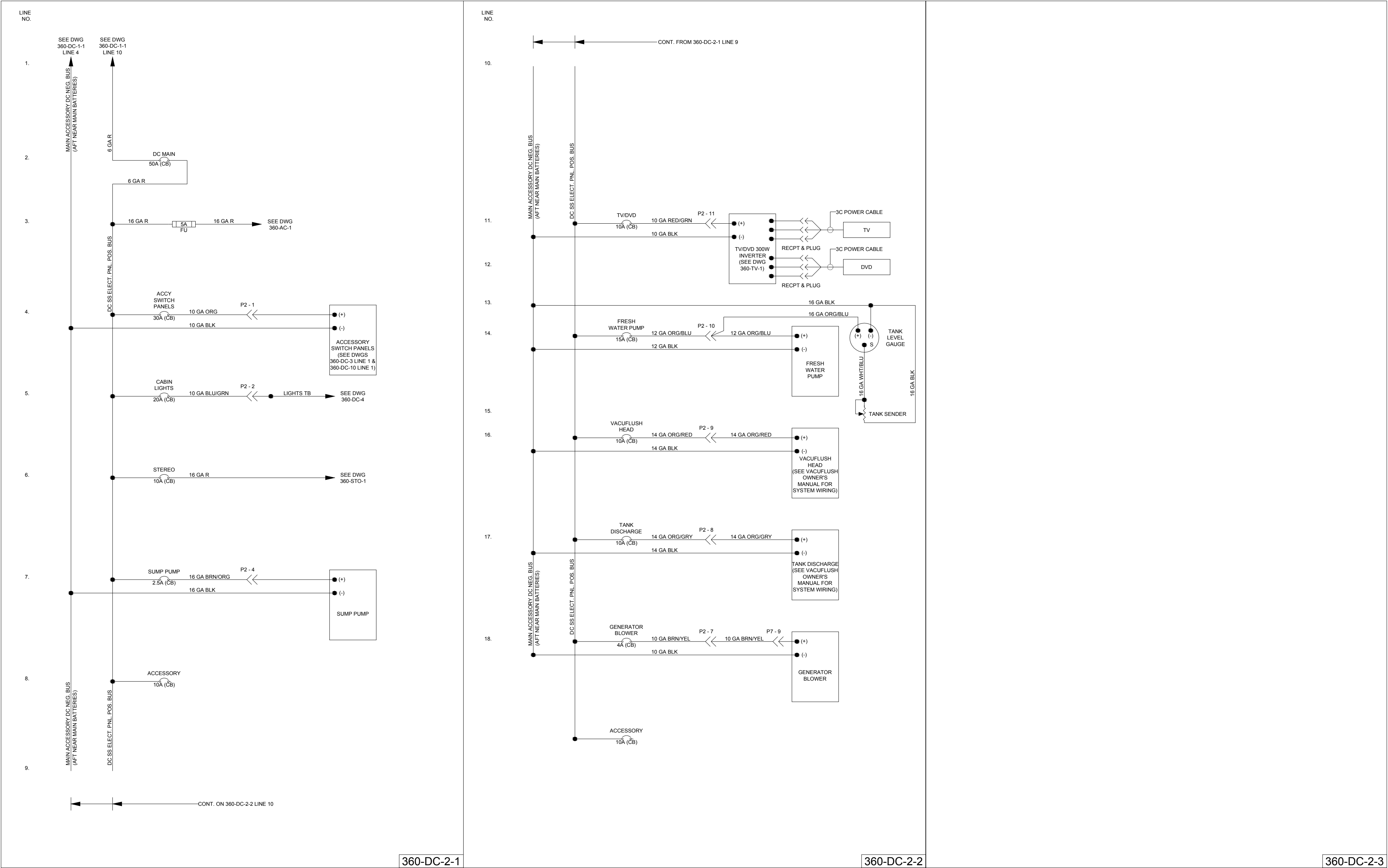
<i>Plug No.</i>	<i>Plug Type</i>	<i>Plug Size</i>	<i>Plug Connection (Male to Female)</i>
P1	Deutsch	6	AC Panel to Ext. Harness
P2	Mate-N-Lock II	12	Fwd Hull to DC Panel
P3	Deutsch	8	Cockpit Sw. Panel to Deck
P4	Mate-N-Lock II	9	Deck to Helm Sw. Panel
P5	Mate-N-Lock II	15	Aft Hull to Helm Sw. Panel
P6	Mate-N-Lock II	15	Aft Hull to Hard Top
P7	Mate-N-Lock II	15	Aft Hull to Fwd Hull
P8	Mate-N-Lock II	9	Aft Hull to Cockpit Sw. Panel
P9	Mate-N-Lock II	4	Aft Hull to Battery Select Panel
P10	Mate-N-Lock II	6	Deck to Fwd Hull
P11	Mate-N-Lock II	15	Fwd Hull to Stereo
P12	Mate-N-Lock II	4	Inst. Panel to Helm Sw. Panel
P13	Mate-N-Lock II	4	Sto. Rem. Ext. to Sto.
P14	Mate-N-Lock II	4	Sto. Rem. to Sto. Rem. Ext.
P15	Deutsch	6	Inst. Panel to Ext. Harness

12 Volt DC Elementary Diagram

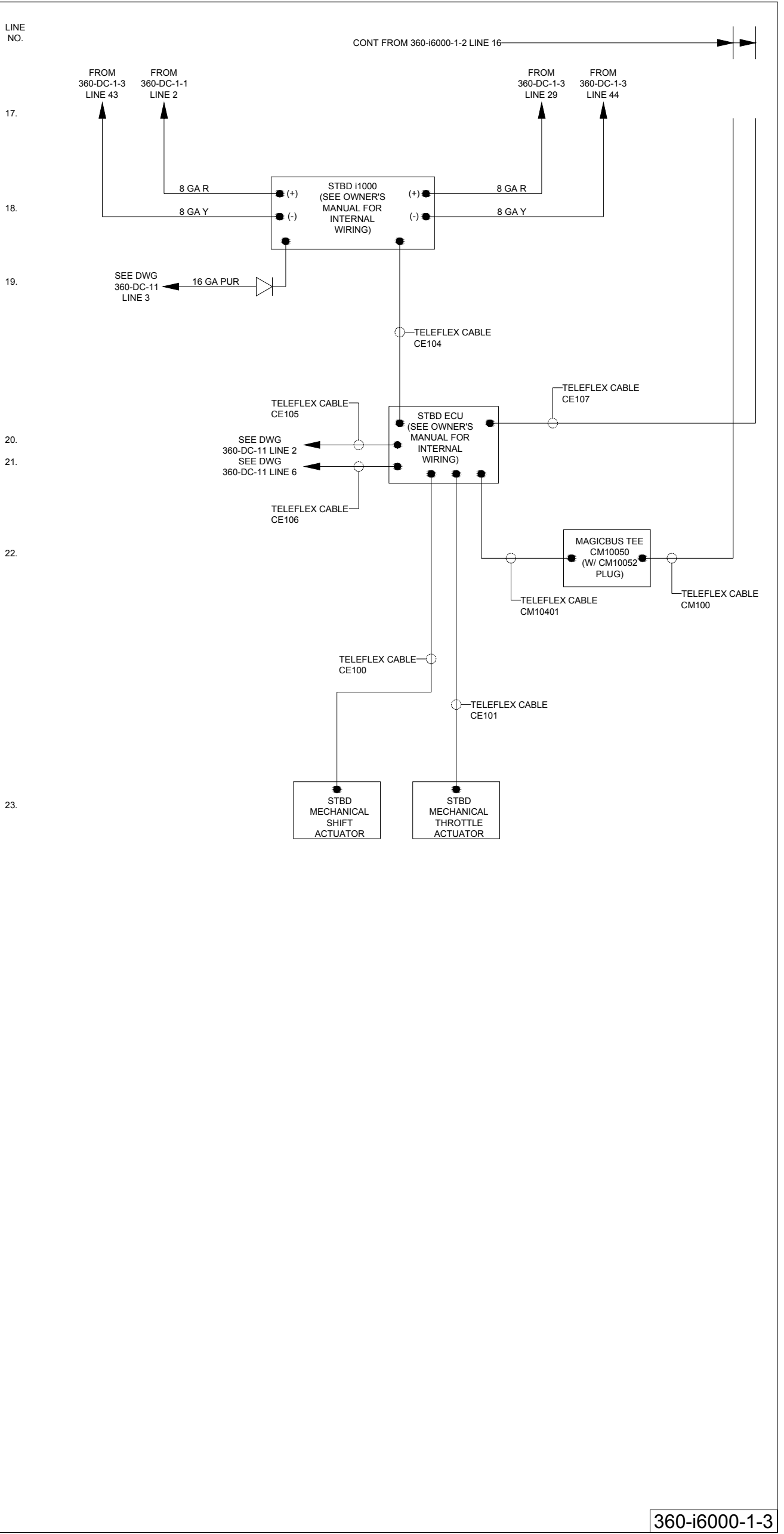
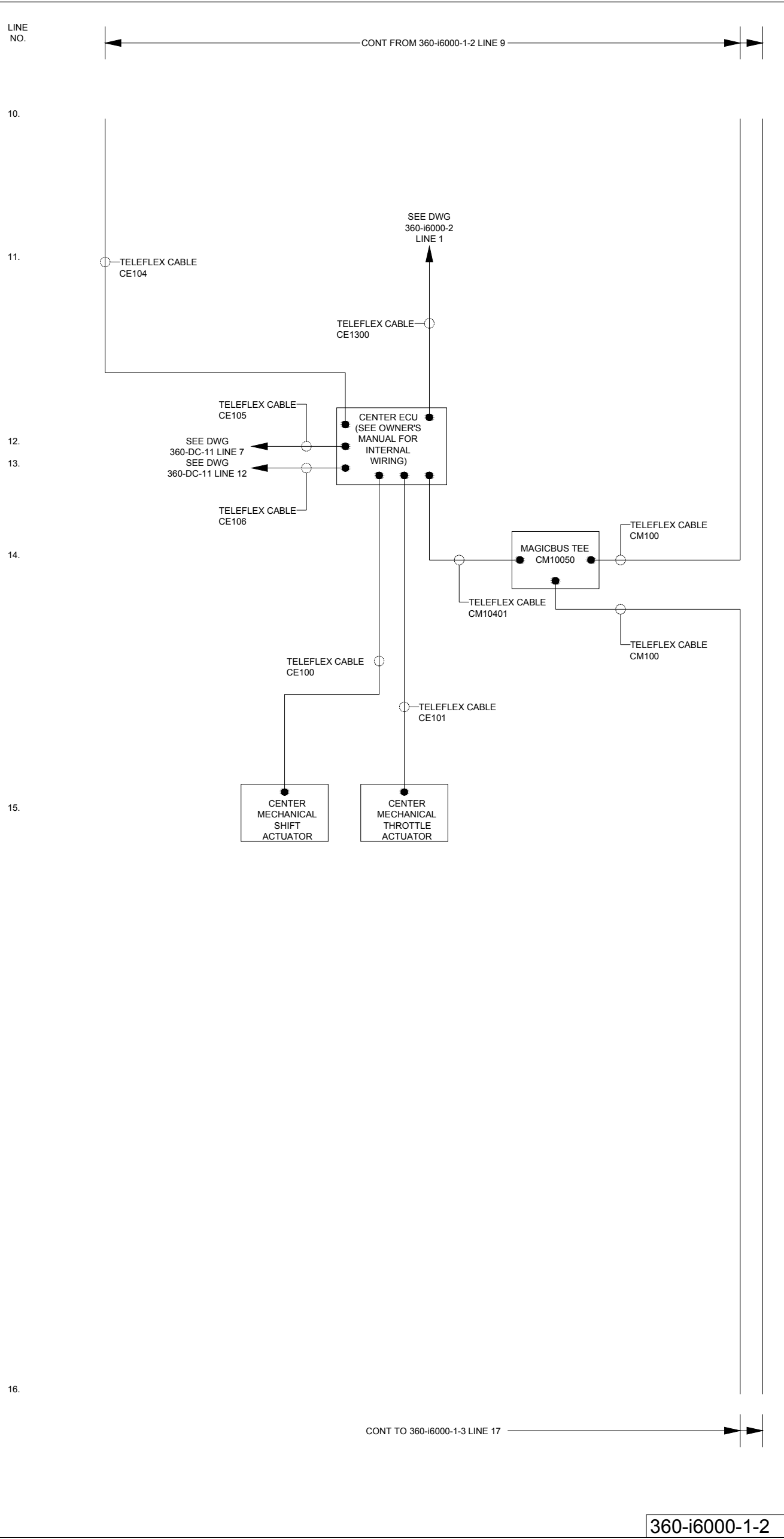
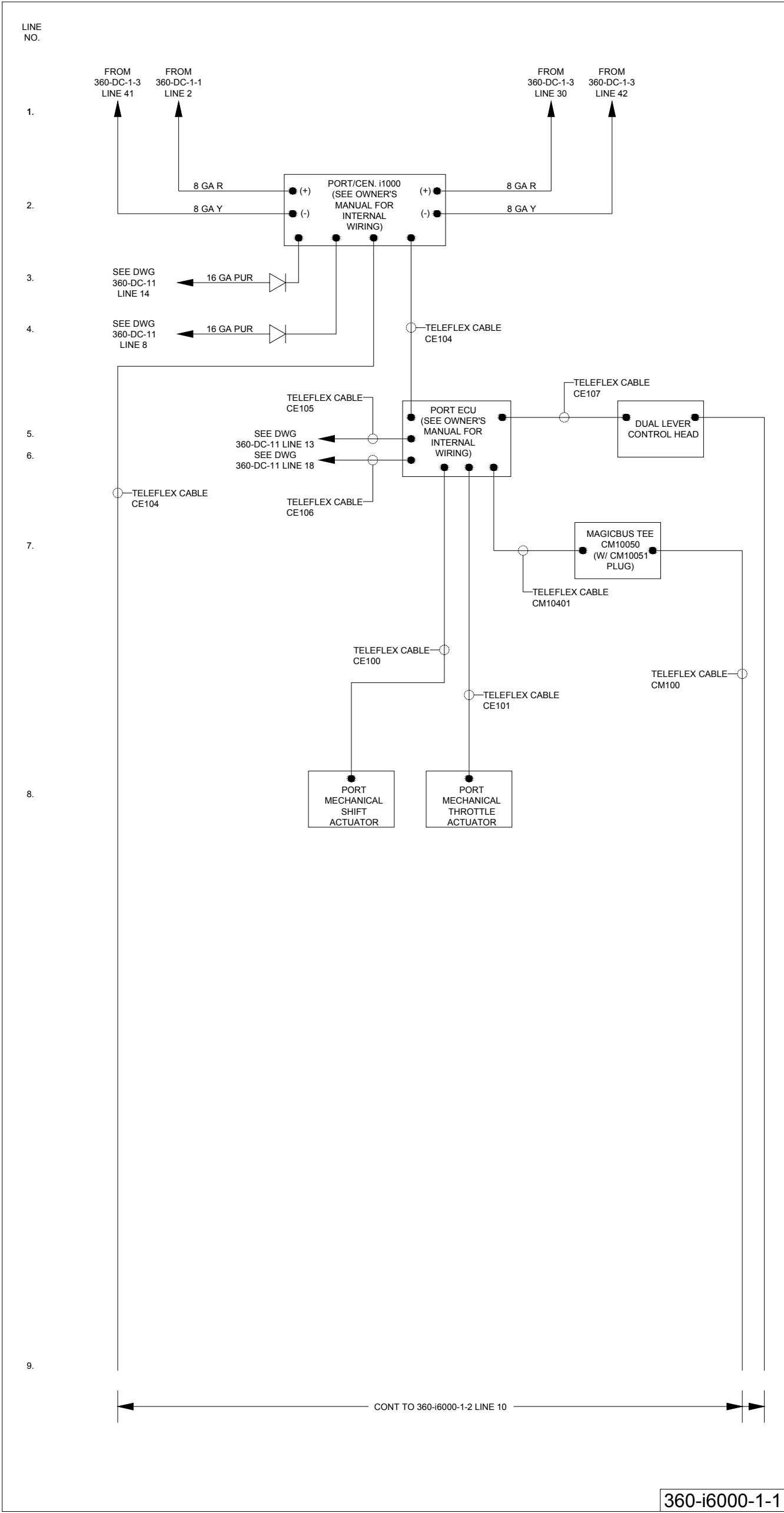


- NOTES:
- 1) — indicates MULTI-CONDUCTOR CABLE
  - 2) LEWMAR "BLACK BOX" PROVIDES OVERCURRENT PROTECTION FOR JOYSTICK WIRING
  - 3) SEE LAYOUT DRAWINGS FOR LOCATIONS OF COMPONENTS

12 Volt DC Distribution Diagram

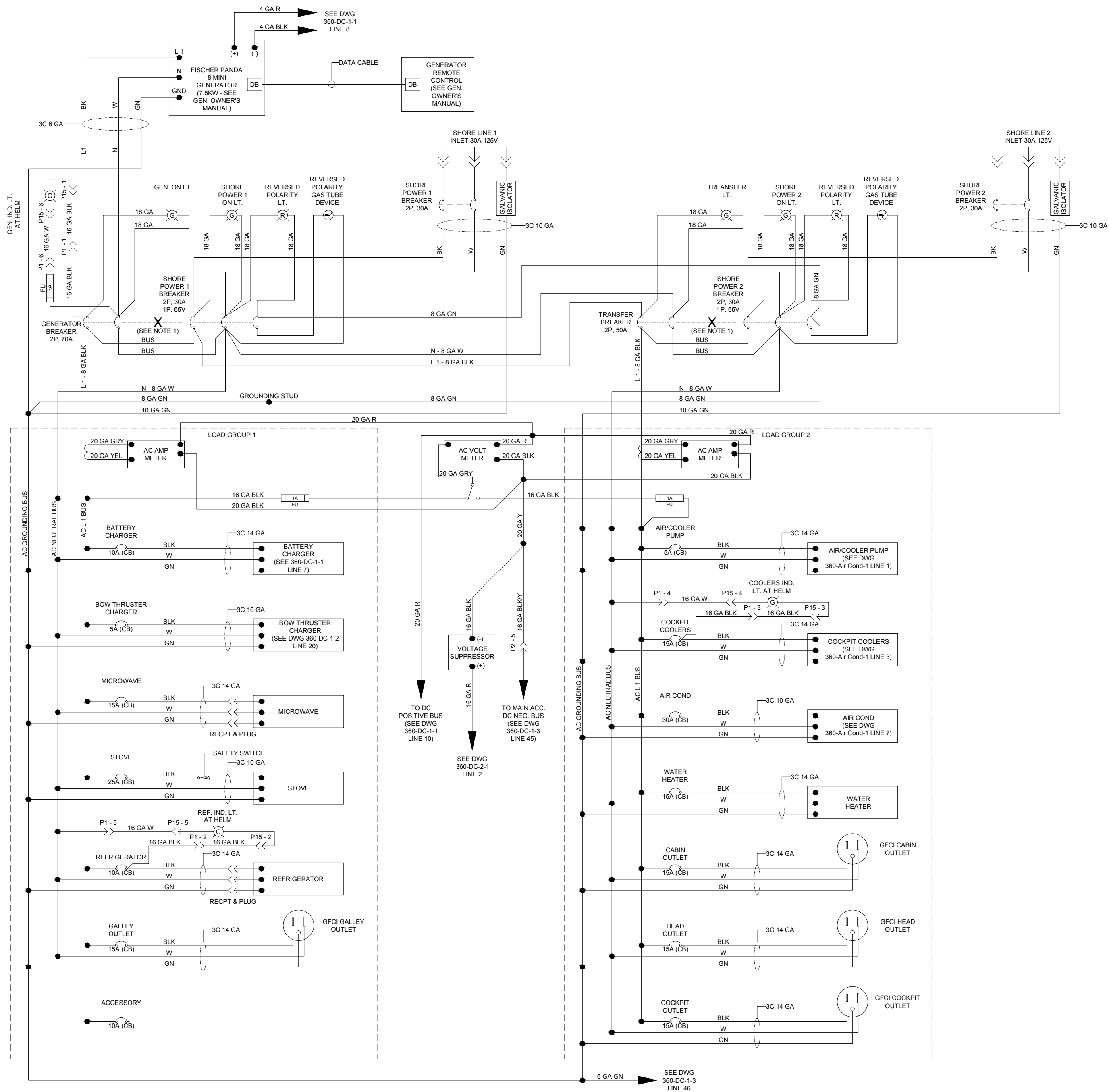




12 Volt DC i6000 One-line Diagram



NOTES:  
1) —○— INDICATES MULTI-CONDUCTOR CABLE  
2) SEE LAYOUT DRAWINGS FOR COMPONENT LOCATIONS

## 120 Volt AC Electrical Diagram



- NOTES:
- 1) "X" INDICATES A MECHANICAL INTERLOCK TO PREVENT SIMULTANEOUS CLOSURE OF CIRCUIT BREAKERS.
- 2)  &  INDICATES MULTI-CONDUCTOR CABLE
- 3) "P1" & "P2" PLUG CONNECTIONS AT AC & DC ELECTRICAL PANEL.

## *Chapter 9: Limited Warranty*

### **REGISTRATION OF PURCHASE:**

The “Federal Boat Safety Act of 1971” requires all boat manufacturers to maintain a record of all first retail purchasers and their current addresses for the purpose of notification in case of defective parts or equipment or in case of non-compliance with standards or regulations set forth by this act. Under the act, failure to complete and return your factory warranty card for our records will waive your right to notification of defect and/or repair at manufacturer’s expense.

### **FIVE YEAR HULL TRANSFERABLE WARRANTY**

Grady-White warrants to the original retail purchaser of each new Grady-White boat that under normal use the hull will be free from structural defects for a period of five years from the date of delivery to the original retail purchaser. Any structural defects covered by the warranty will be repaired free of charge at either the Grady-White factory in Greenville, North Carolina, or at an authorized Grady-White dealer location as elected by Grady-White. Transportation to and from the point of repair will be the responsibility of the owner with all repairs subject to prior written authorization by Grady-White Boats, Incorporated. NO BOAT IS TO BE SENT TO THE GRADY-WHITE FACTORY WITHOUT SUCH WRITTEN AUTHORITY.

The Five Year Hull Structural Warranty is transferable to the second and subsequent owners for the remainder of the five (5) years from the date of delivery to the original purchaser. There is no fee involved in the transfer of warranty to the new owner. The Grady-White Boats Transferable Warranty Form must be completed and returned to Grady-White at the time of sale. Upon receipt of this form, Grady-White will update it’s records to reflect the new ownership and warranty coverage will be provided for the remainder of the five (5) years.

### **ONE YEAR MATERIAL AND WORKMANSHIP WARRANTY**

Grady-White further warrants to the original retail purchaser of each Grady-White boat that under normal use, it will be free from defects in workmanship and material for a period of 12 months from the date of delivery to the original retail purchaser. Necessary repairs under this warranty will be made free of charge at Grady-White’s factory in Greenville, North Carolina, or at an authorized Grady-White dealer as elected by Grady-White. Transportation to and from the point of repair will be the responsibility of the owner with all repairs subject to prior written authorization. NO BOAT OR PART THEREOF IS TO BE SENT TO THE GRADY-WHITE FACTORY WITHOUT SUCH WRITTEN AUTHORITY.

#### **Exclusions**

- This warranty specifically does not include the following:
- Damage caused by abuse, negligence, vandalism, lack of maintenance, improper storage, or accident.
- Any statements, representations, or warranties given by dealer or other third persons other than those provided within this warranty.
- Any unit which is part of a rental fleet, used for racing, or commercial purposes.
- The following consequential damages: a) loss of time; b) inconvenience; c) towing charges; d) expenses for travel, lodging, telephone, and gasoline; e) loss or damage to personal property or loss of revenue; f) loss of use of the boat.
- This warranty specifically does not apply to engines, outdrives, propellers, controls, steering, bilge pumps, and any other part expressly warranted by the manufacturer thereof. In addition, also excluded are gel coat cracking, gel coat crazing, gel coat blistering or fading, chrome, windshields, glass breakage, all vinyl upholstery and canvas, instruments and gauges, and leakage around windshields, windows, hatches, and other apertures.
- Any boat which has been overpowered according to the maximum Grady-White recommended engine horsepower specifications on the capacity plate affixed to the boat.

# ***LIMITED WARRANTY***

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## ***WARRANTY CLAIM PROCEDURES***

Upon the discovery of a defect, the owner is to promptly contact the Grady-White dealer from whom the original retail purchaser purchased the boat who will effect the corrective action under this warranty upon prior written authorization from Grady-White Boats, Incorporated.

THESE WARRANTIES ARE EXPRESSLY MADE IN LIEU OF ALL OTHER WARRANTIES. DURATION OF ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE SHALL BE LIMITED TO AND COINCIDENT WITH THE DURATION OF THESE EXPRESSED WARRANTIES.

THIS WARRANTY SHALL NOT BE VALID UNLESS THE FACTORY WARRANTY POSTCARD IS PROPERLY EXECUTED AND MAILED WITHIN 10 DAYS OF THE PURCHASE OF YOUR GRADY-WHITE BOAT.





**GRADY-WHITE**  
**Transferable Warranty Form**

(Not for original owner use \*)

**\* Note:** For second owner's use in transferring remainder of 5 year hull structural warranty.

*Please complete the following:*

**Hullid:** \_\_\_\_\_

**Boat Model:** \_\_\_\_\_

**Name:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**City:** \_\_\_\_\_ **State:** \_\_\_\_\_ **Zip:** \_\_\_\_\_

**Home Phone:** \_\_\_\_\_ **Work Phone:** \_\_\_\_\_

**Last 4 digits of your Social Security Number (to be used for customer identification number):** \_\_\_\_\_

**Dealership or Previous Owner:** \_\_\_\_\_

**Date Purchased:** \_\_\_\_\_

**About Your Boat**

1. **What type of power is your boat equipped with?** ☐ Single OB ☐ Dual OB ☐ Inboard/Outboard
2. **What engine brand does your boat have?** ☐ Johnson ☐ Mercury ☐ Evinrude ☐ Yamaha ☐ Volvo ☐ Other
3. **Engine horsepower (total if twin power)** \_\_\_\_\_
4. **Is your new Grady-White the first boat you've ever owned?**  
☐ Yes → Please skip to question 5a  
☐ No → **Please tell us about your previous boat:**  
**Builder's name:** \_\_\_\_\_ **Length:** \_\_\_\_\_  
**Why did you sell this boat?** \_\_\_\_\_

**5a. In which of the following ways do you use your Grady-White? (Please mark all applicable in column A.)**

**5b. In which one way do you use your Grady-White most often? (Please mark one only in column B.)**

	A	B
	Ways	One Way Use
	<u>Use</u>	<u>Most Often</u>
Casual cruising	<input type="checkbox"/>	<input type="checkbox"/>
Casual fishing	<input type="checkbox"/>	<input type="checkbox"/>
Serious offshore fishing	<input type="checkbox"/>	<input type="checkbox"/>
Socializing/entertaining	<input type="checkbox"/>	<input type="checkbox"/>
Watersports	<input type="checkbox"/>	<input type="checkbox"/>
Other:	<input type="checkbox"/>	<input type="checkbox"/>

6. Which of the following most influenced your selection of a Grady-White boat? (Please pick three or fewer reasons.)

**About Grady-White**

- Grady-White's overall reputation ☐  
Previous experience with a Grady-White ☐

**About the boat itself**

- Cockpit layout ☐  
Hull design/ride ☐  
Resale value ☐  
Safety/seaworthiness ☐  
Styling ☐  
Other: \_\_\_\_\_ ☐

7. How would you rate the overall value received from your Grady-White?

- ☐ Excellent ☐ Good ☐ Fair ☐ Poor

8. How likely would you be to consider buying each of the following brands of boats in the future?

	Definitely Consider	Might Consider	Would Not Consider	Don't Know
Boston Whaler	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Century	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Grady-White	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hydra-Sport	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mako	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pursuit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Searay	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Wellcraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

9. Which of the following magazines do you subscribe to or read often?

- ☐ Boating ☐ Fisherman Magazine ☐ Motorboating & Sailing ☐ Sportfishing  
☐ Boating World ☐ Florida Sportsman ☐ Power & Motoryacht ☐ Wall Street Journal  
☐ Boats U.S. ☐ Offshore ☐ Saltwater Sportsman ☐ Other \_\_\_\_\_

10. What is your age? ☐ Under 25 ☐ 25-34 ☐ 35-44 ☐ 45-54 ☐ 55-64 ☐ 65 or older

11. Which of the following best describes your educational background?

- ☐ Some High School ☐ Some College or Technical ☐ Some Post-Graduate Work  
☐ High School Graduate ☐ College Graduate ☐ Post-Graduate Degree or More

12. What is your total annual household income?

- ☐ Under \$30,000 ☐ \$75,000 - \$99,999 ☐ \$150,000 - \$174,999  
☐ \$30,000 - \$49,999 ☐ \$100,000 - \$124,999 ☐ \$175,000 - \$199,999  
☐ \$50,000 - \$74,999 ☐ \$125,000 - \$149,999 ☐ \$200,000 or more

13. Does your family own a second home, where you most often do your boating? ☐ Yes ☐ No

If yes, where is your second home? \_\_\_\_\_  
City State

**Thank you for completing this questionnaire.**

**When we receive this information, you will automatically begin receiving our AnchorLine Newsletter.**

*Please return this form to:*

Grady-White Boats, Customer Relations Dept., P.O. Box 1527, Greenville, NC 27835-1527