

Sailfish 360 CC Owner's Manual



Table of Contents



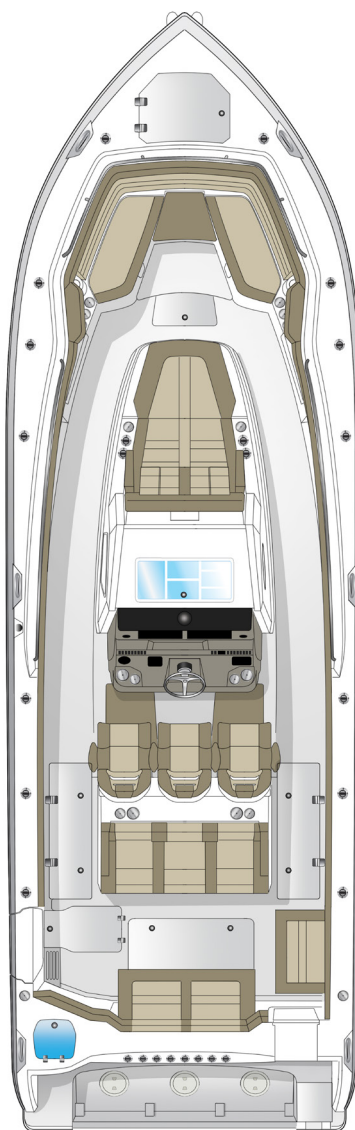
08/13/2020

2. Boat Specifications
3. Trailer Measurement Chart
4. Boat Layout
5. Boat Safety & Warning Labels
7. Boat Safety & Warning Label Locations
9. Boarding Ladder & Unassisted Boarding Situations
10. Battery Selector Panel and Wiring
11. Wiring Diagrams
12. Fuel System Layout
13. Head & Waste Plumbing Diagram
14. Raw Water Plumbing Diagram
15. Fresh Water Plumbing Diagram
16. Air Conditioner Plumbing Diagram
17. Helm Area
18. UFLEX Steering System
19. Ignition Switches, Engine Shut-Off Cord/Lanyard
20. Plug and Play Wiring
Fuel-Water Separator
21. Console / Head Area
22. VSR Battery System
23. Bilge Access and Explanation
24. Bilge Pumps
25. Raw Water Washdown System
26. Freshwater Washdown and Shower System
27. Livewell Operation
28. Fishbox Pump
29. Console Top Organizer
30. Trim Tab Maintenance
31. Optional Lewmar V-700 Windlass
32. Lewmar Windlass Troubleshooting Chart
33. Hard Top
34. Optional Marine Head With Waste Tank (Type III MSD Waste Management System)
40. Optional Utility Leaning Post
41. Electric Grill & Refrigerator
42. Pro Mariner Inverter/Charger
43. Optional Rear Facing Bottom Unit
44. Optional A/C & Heat
46. Optional Bow Shade & Rear Shade Extension
47. Optional Rear Facing Camera
48. Go Light Stryker LED Searchlight
49. Electronic Actuated Bow Table & Bow Filler
50. Windshield Wipers, Reservoir & Windshield Vent
51. Adjustable Helm Seat & Driving Platform
52. Optional Seakeeper System
53. Dive Door & Boarding Ladder
54. Reverso Engine Flush System
55. Battery Charger
56. Optional Bow Thruster
57. Shore Power
59. Offshore Inverter System
61. SeaChest Baitwell Pump System
62. Overhead Engine Monitor
63. Pilot's Berth
64. Electronics Hatches & Description
65. Vinyl Care and Cleaning
66. Aluminum Cosmetic Corrosion (Pitting)
67. Caring for Aluminum
68. Caring for Stainless Steel
69. Windshield, Window and Hatch Care Instructions
70. Gel Coat

Sailfish 360 CC Specifications



08/13/2020



SPECIFICATIONS

LOA Hull Only	36'
Length Rigged	38' 6"
Beam	11' 2"
Fuel Capacity	400 Gallons
Fresh Water	42 Gallons
Dry Weight	12,700 lbs.
Cockpit Depth Rear	30"
Cockpit Depth Front	40"
Max Horsepower	1050 hp
Draft (Hull Only)	28"
Dead Rise (Multiangle)	22°-24°
Battery Capacity	5
Rod Holders (Standard)	34
Bridge Clearance with Hard Top	9' 10"
Person Capacity	Yacht Certified

STANDARD FEATURES

Boat

- 3 Piece Construction w/ Cored Hull Sides
- Boarding Ladder (4 step with grab handle)
- Built In Rigging Tubes (From Bilge to Helm with pull tapes)
- Carbon Fiber & Kevlar® Reinforced Deck & Hull
- Closed Cell Foam Flotation
- Cockpit Toe Rails
- Dive Door w/ 4 Step Folding Ladder
- Easy Access Electronics and Rigging Area
- Edson Black Ops Steering Wheel w/ Deluxe Grip & Power Knob
- Exclusive Dot Matrix Non-Skid Flooring
- Exclusive VDS Hull Design (Variable Deadrise Stepped Hull)
- Hard Top w/ Vented Sun Roof, Articulating Rear Shade
- Insulated Locking Coffin Box Storage
- Integrated D Channel Hard Top Frame
- Oversized Bilge Access
- Power Assist Steering
- Recessed SST Cup Holders (6 - 32 oz.)
- Recessed SST Cup Holders (14)
- SailTech Composite Full Length Transom
- SailTech Foam Filled Fiberglass Stringer System
- Thru Hull Windlass System
- Trim Tabs / High Performance Dual Ram / Heavy Duty With Indicator & Built In Auto Retract Feature
- Walk Thru Transom Door with Wave Guard Step

Boat

- 12 Volt DC Accessory Plug
- Bow Shower
- Fully Upholstered Convertable Bow Seating and Lounge Area w/ Power Adjustable Table/ Bow Filler and Fold-Away Forward Facing Backrests

- SST Low Profile Bow Rail
- Twin insulated 80qt. Storage Boxes

Electrical

- 8 Spreader Lights w/ Four Way Control
- Accessory Switch Panel w/Circuit Breakers
- Built-In 4 Bank Battery Charger w/ LED Readout
- Compass
- Dock Side Power
- Fully NEMA Compliant
- Fusion Transom & Bow Remote Control
- Fusion/Wet Sounds Stereo System & USB Port
- LED Anchor Light
- LED Interior Cockpit & Bilge Lighting
- LED Navigational Flip Up Bow Light
- Lumitec Underwater LED Lighting
- Multiple 12 Volt DC Accessory Plugs
- Push To Start Engines
- SST Refrigerator
- VSR Battery Charging System

Fishing

- 42 & 32 Gallon Pressurized Circulating Baitwells
- Built-In Tackle Storage
- In-Floor Fish Boxes (w/ Advanced Vacuum Pump)
- Sea Chest Baitwell Pump System
- Tuna/Dive Door

Hardware

- Fender Cleats (Aft (2), Mid-Ship (2))
- Flush Mount Hinges, Latches & Deck Plates
- Heavy Duty SST Bow & Stern Eyes
- Heavy Duty SST Rub Rail

Head/Berth

- Corian Counter Tops
- Fresh Water SS Sink
- Pilot's Berth
- SST Port Light
- Stand-up Shower w/ Curtain
- Wood Framed Mirror, Wood Steps & Cabinetry
- Yacht Style Flooring

Helm

- Adjustable Height Standing Driving Position
- Comfort Zone Anti-Fatigue Pad
- Console Footrest
- Deluxe Walk In Console Berth (Lockable) w/ SST Port Light
- Glass Enclosure w/Vent, Wiper & Windshield Washer
- Large Dash Area (Capable of flush mounting Twin 16" Screen or Triple 12" Screens)
- Overhead Engine Monitor

Plumbing

- Automated Motor Flushing System
- Automatic Bilge Pump (2 - 2000 GPH Aft - 750

GPH Forward)

- Concealed Freshwater Electric Marine Head w/ Overboard Discharge
- Freshwater Stations (4) - (Transom, Leaning Post, Bow and Berth)
- High Speed Live well Pickup
- On Deck Water Management System
- Retractable Raw Water Wash Down
- Self Bailing Cockpit (w/2 6" Oval Scupper Drains with Collector Box)

Seating

- 60" Hide-a-way Rear Seating
- Bow Bottom and Backrest Cushions
- Chase Lounge Seating w/ Fold Down Arm Rests
- Leaning Post w/ 3 person Helm Seating and 3 Person Aft Facing Seat w/ Flip Down Armrest & Cup Holders, Cooler, Fridge, Storage, Powered Driver's Seat Slide and Landing for rear Facing Bottom Machine
- Console Top Tackle Organizer (CTO)
- Dash Storage Pocket
- Engel 80qt. Carry-On Cooler
- Insulated Locking Coffin Box Storage
- LP Glove Box w/ Charging Station
- Recessed Rod Storage - Port & Starboard
- Tackle Storage Port & Starboard
- Twin 260 qt. Insulated Aft Fish Boxes
- Twin Hard Top Storage Boxes
- Under Gunwale Storage

Storage

- Console Top Tackle Organizer (CTO)
- Dash Storage Pocket
- Engel 80qt. Carry-On Cooler
- Insulated Locking Coffin Box Storage
- LP Glove Box w/ Charging Station
- Recessed Rod Storage - Port & Starboard
- Tackle Storage Port & Starboard
- Twin 260 qt. Insulated Aft Fish Boxes
- Twin Hard Top Storage Boxes
- Under Gunwale Storage

OPTIONS

Boat Options

- Bow Shade
- Bow Thruster
- Chase Lounge/Coffin Box Seat Cover
- Console & Leaning Post Covers
- Dash Misting System
- Grand Slam 380 Outriggers w/ 15' Poles
- Optimus 360 Joystick Steering
- Powder Coating (Black)
- Rear Shade Extension
- Rod Holders, Extra Pair (2)
- SeaKeeper Stabilization
- Two Tone Hard Top

- Yamaha Helm Master

Electrical Options

- A/C / Heat in Berth and Helm
- Batteries for Twins (4) - 27 Series
- Batteries for Triples (5) - 27 Series
- Batteries for Inverter (3) - 31 Series
- Garmin Auto Pilot
- Garmin B75M Airmar Thru Hull Transducer w/ CHIRP
- Garmin B175M Airmar Thru Hull Transducer w/ CHIRP
- Garmin GMR Fantom™ 56 Radar
- Garmin GMR Fantom™ Radar Cable & Power Cable
- Garmin GMR™ 18 x HD Radome
- Garmin GPSMap 8612xsv w/o Transducer
- Garmin GPSMap 8616xsv w/o Transducer
- Garmin GPSMap Triple - (1) 8612xsv w/o Transducer, (2) 8612
- Garmin GPSMap Twin - (1) 8612xsv w/o Transducer, (1) 8612
- Garmin GPSMap Twin - (1) 8616xsv w/o Transducer, (1) 8616
- Garmin Radar Cable & Power Cable
- Garmin 210 VHF Radio & Antenna
- Offshore Inverter System
- Garmin GC-200 Rear Facing Camera for Hard Top
- Rear Facing Garmin GPSMap 942xsv w/o Transducer
- Remote Spot Light For Hard Top

Seating Options

- Aft Starboard 36" Folding Side Seat In Place of Storage Cabinet
- Utility Leaning Post w/ Fridge, Electric Grill, Corian Counter Top, Livewell, Drivers Platform & Landing for Rear Facing Bottom Machine

Engine Options

Yamaha

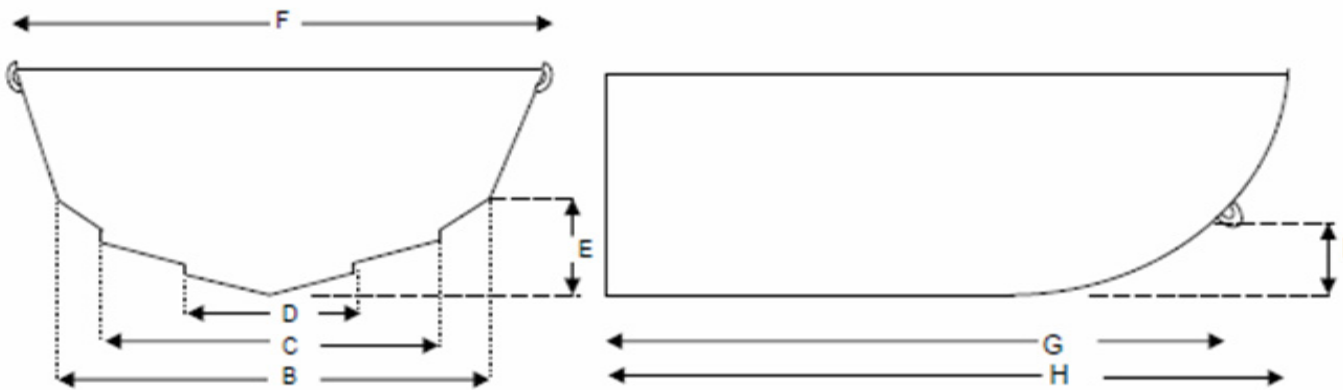
- Triple F350
- Twin F425
- Triple F300
- White Motor Upgrade

Mercury

- Triple 300 Verado
- Triple 350 Verado
- White Motor Upgrade



SAILFISH BOAT TRAILER MEASUREMENT CHART:

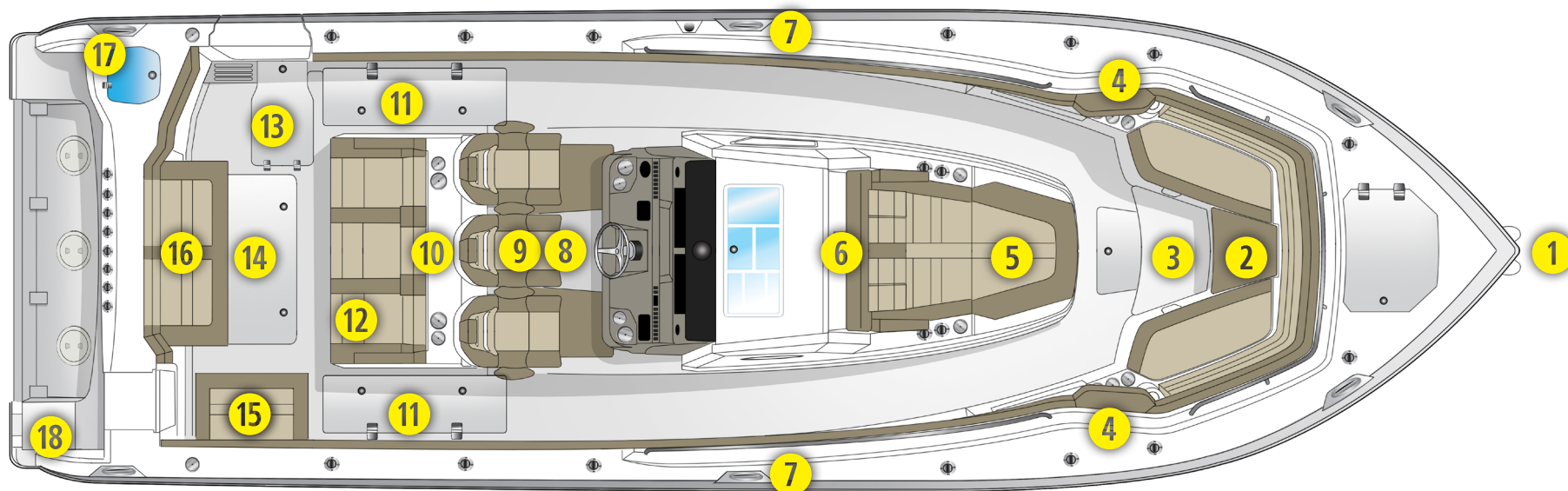


Boat Models	B	C	D	E	F	G	H	I
208CC	78 in.	53 in.	28 in.	11 in.	82 in.	218 in.	235 in.	27 in.
1900BB	88 in.	66 in.	37 in.	10.5 in.	99.5 in.	198 in.	217 in.	24 in.
2100BB	88 in.	66 in.	37 in.	10.5 in.	99.5 in.	220 in.	240 in.	24 in.
220CC & 220WAC	87 in.	59 in.	31 in.	14.5 in.	102.5 in.	216.5 in.	243 in.	32 in.
236CC & 241CC & 245DC	91 in.	57.5 in.	30 in.	14 in.	103 in.	250 in.	273 in.	36 in.
240CC & 240WAC & 242CC	92 in.	59 in.	31 in.	15 in.	107 in.	241 in.	272 in.	30 in.
270CC & 270WAC & 275DC	94 in.	59 in.	31 in.	15 in.	107 in.	268 in.	302 in.	30 in.
290CC	94.5 in.	61 in.	32 in.	15.5 in.	107 in.	301 in.	336 in.	30 in.
320CC & 320EXP & 325DC	105 in.	65 in.	33 in.	16.5 in.	115 in.	315 in.	349 in.	38 in.
360CC	119 in.	72 in.	36 in.	20.1 in.	135 in.	383.34 in.	417.49 in.	48.19 in.

Sailfish 360 CC Boat Layout



08/13/2020



Key	Description
1	Thru Hull Windlass System
2	Removable Seat for Walkup Bow
3	Power Actuated Bow Table and Lounge Filler
4	Forward Facing Backrests
5	Coffin Box / Storage
6	Windshield Wiper / Washer
7	Under Gunwale Storage
8	Adjustable Height Standing Area
9	Power Adjustable Driver's Seat

Key	Description
10	Rear Facing Bottom Machine
11	In-Floor Fish Boxes w/Pump-out Pumps
12	Secondary Livewell
13	Built-In Dive Ladder
14	Mechanical Room
15	Optional Fold-Out Side Seat
16	60" Fold-Away Seat
17	Livewell
18	Boarding Ladder

Boat Safety & Warning Labels

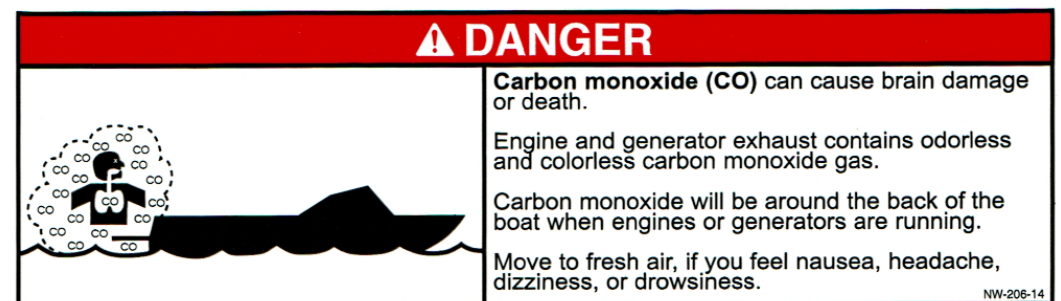
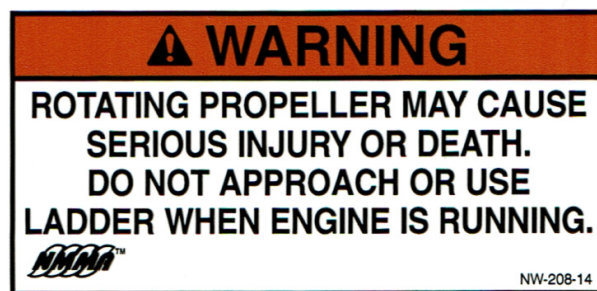
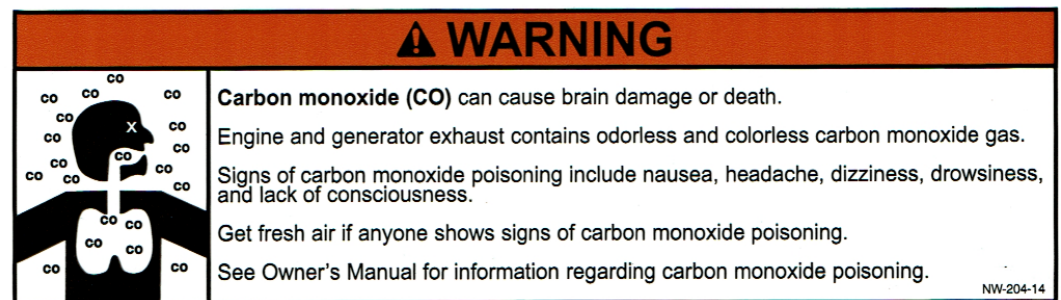
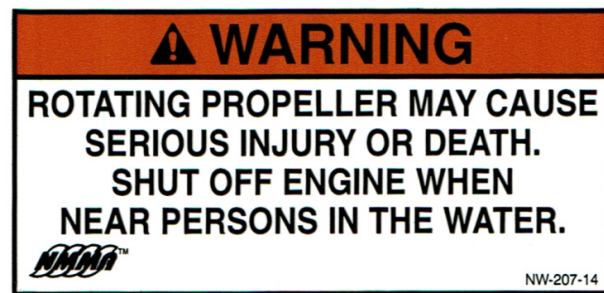


04/12/2020

Warning Labels

The safety for you and everyone on board, as a boat owner, you need to become familiar with and the locations of the Caution, Warning and Danger Labels found on your boat.

Below are images of the labels to help you maintain and operate your boat safely.



Boat Safety & Warning Labels

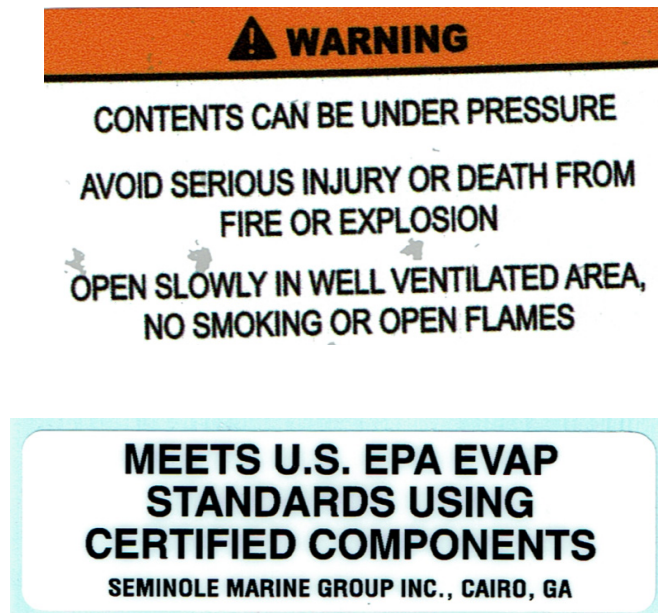


04/12/2020

Warning Labels Continued

The safety for you and everyone on board, as a boat owner, you need to become familiar with and the locations of the Caution, Warning and Danger Labels found on your boat.

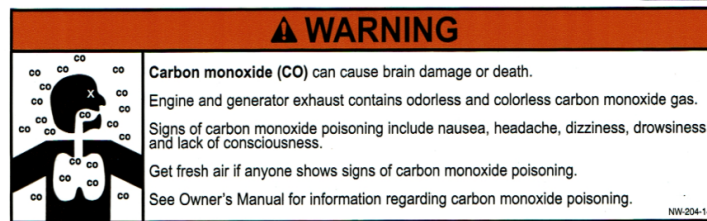
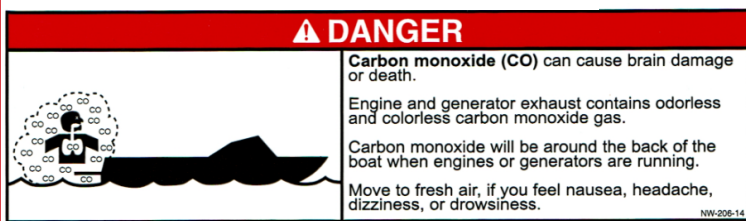
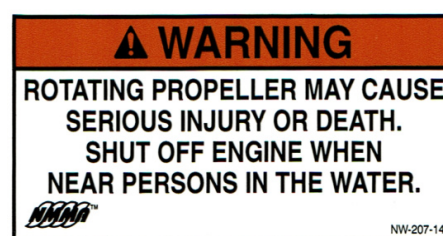
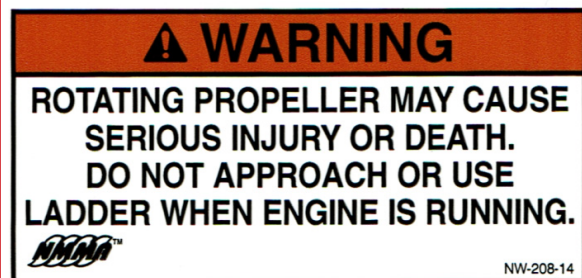
Below are images of the labels to help you maintain and operate your boat safely.



Boat Safety & Warning Label Locations

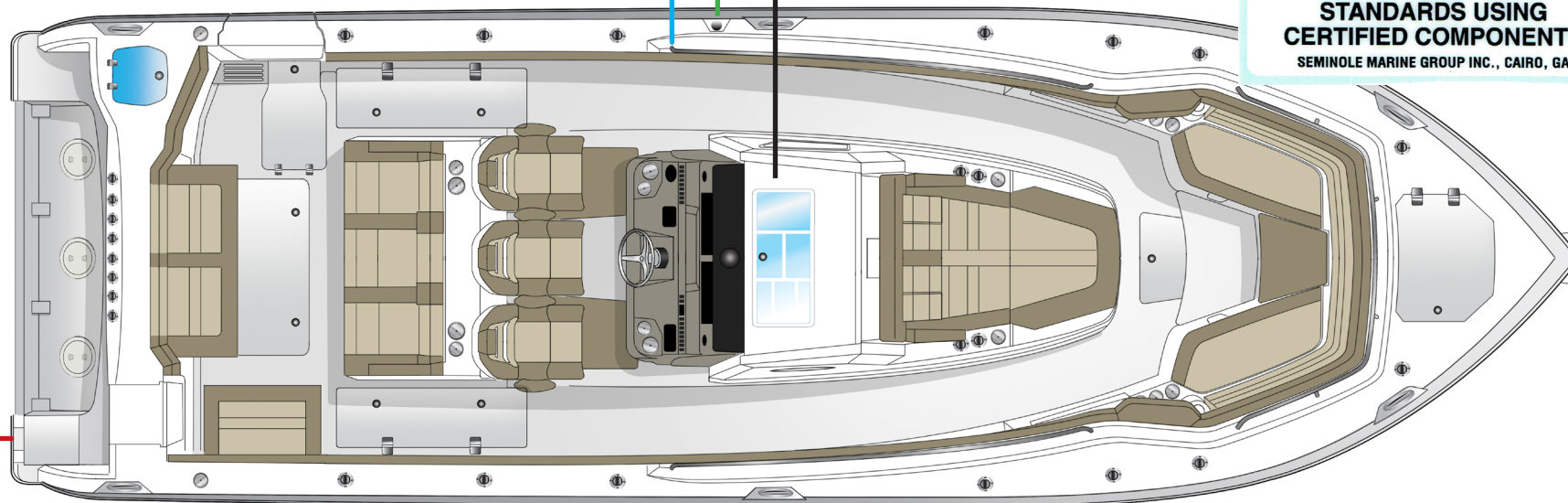


04/12/2020



Inside Battery Switch Doors

**MEETS U.S. EPA EVAP
 STANDARDS USING
 CERTIFIED COMPONENTS**
 SEMINOLE MARINE GROUP INC., CAIRO, GA





Replacement Warning Labels

If any of your Boating Safety or Warning Labels become damaged, please call Sailfish Boats' parts department for replacement stickers at 229-377-2125



SAILFISH

FISHING FOCUSED. FAMILY FRIENDLY.™

Boarding Ladder & Unassisted Boarding Situations



04/12/2020

Unassisted Boarding Instruction

When using the ladder in an unassisted boarding situation, reach over the transom and open the covering board lid that is covering the ladder, pull ladder towards you, by picking up the ladder by the steps, release the strap, deploy the four step ladder by rotating it to the down position. Use your hand or foot to fully extend the ladder in the down position. Use the grab handle and ladder to board your boat. When fully onboard, be sure to place the ladder back in the storage position by reversing the deployment process.

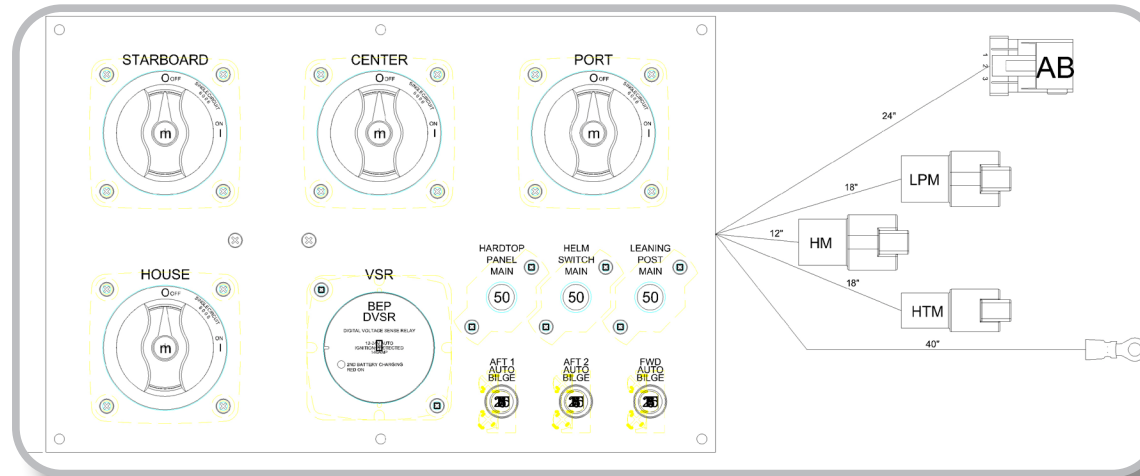


Battery Selector Panel and Wiring

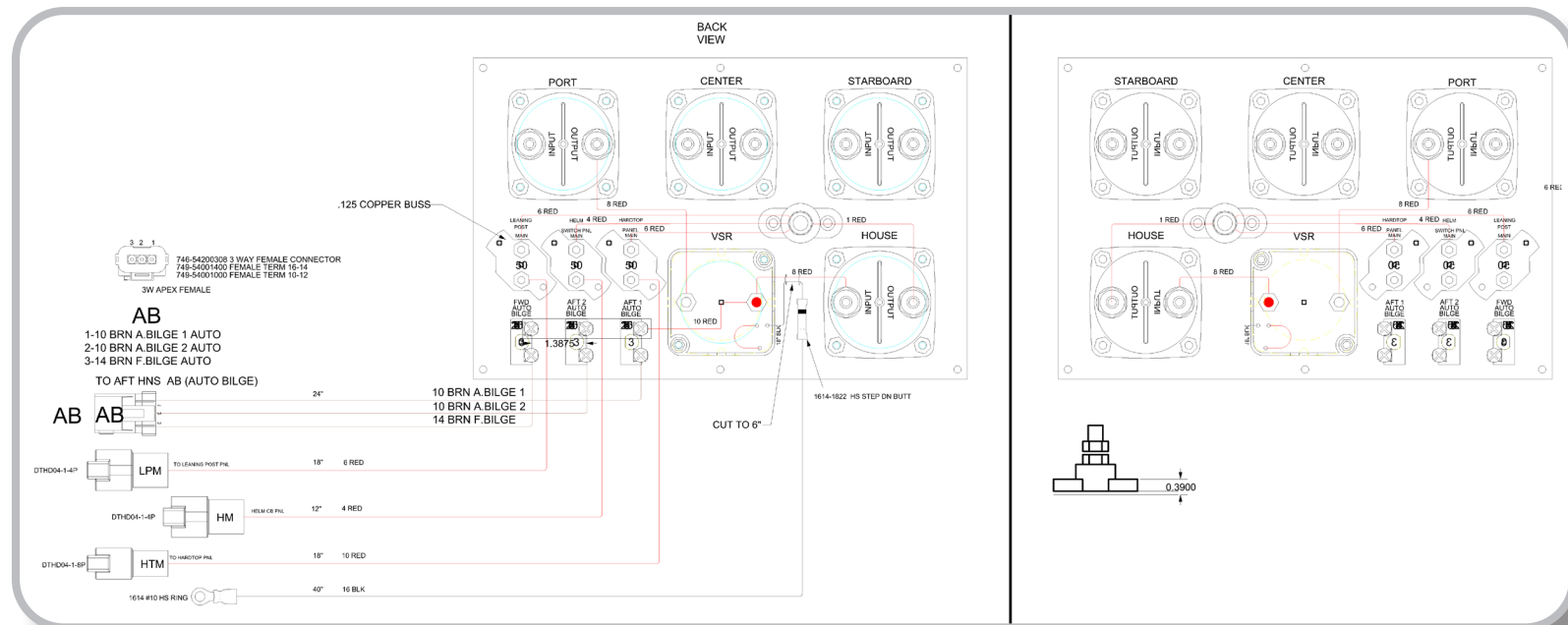


08/13/2020

Front View



Back View With Wiring



Wiring Diagrams



08/13/2020

The wiring diagrams are available for download as individual .jpg files, or in a combined PDF file from the [Seminole Marine Public Google Drive](#).

Amerishade Weathertight Switch Box Wiring

Amerishade Switch Box Programming Instructions

Bow Table Actuator Wiring

120V 60Hz Breaker Panel

220V 50Hz Breaker Panel (Overseas Boats)

Aft Hull Harness

Battery Switch Diagram

DC Breaker Panel Diagram

Forward Hull Harness

Hard Top Switch Panel Diagram

Hard Top Wiring Harness Diagram

Head Light Switch

Head Liner Harness

Helm Ground Block Assembly

Helm Switch Panel Diagram

Leaning Post Harness

Leaning Post Switch

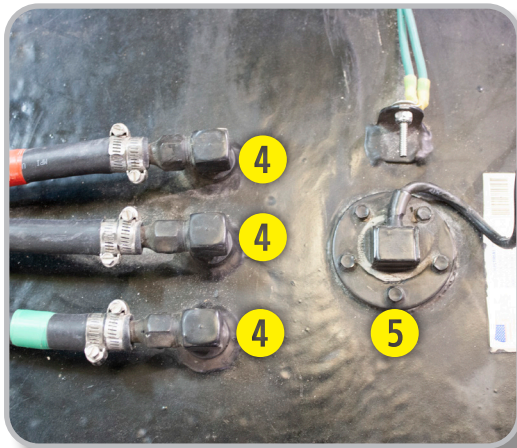
Seat Slide Switch

Table Lift Switch

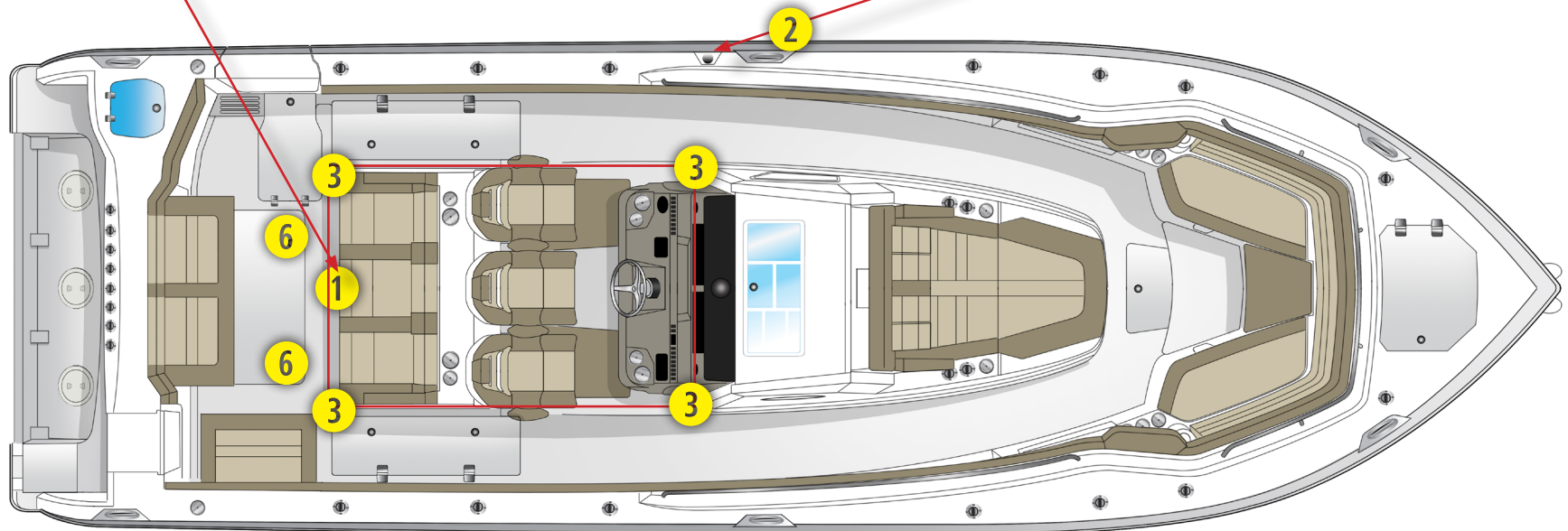
Fuel System Layout



08/13/2020



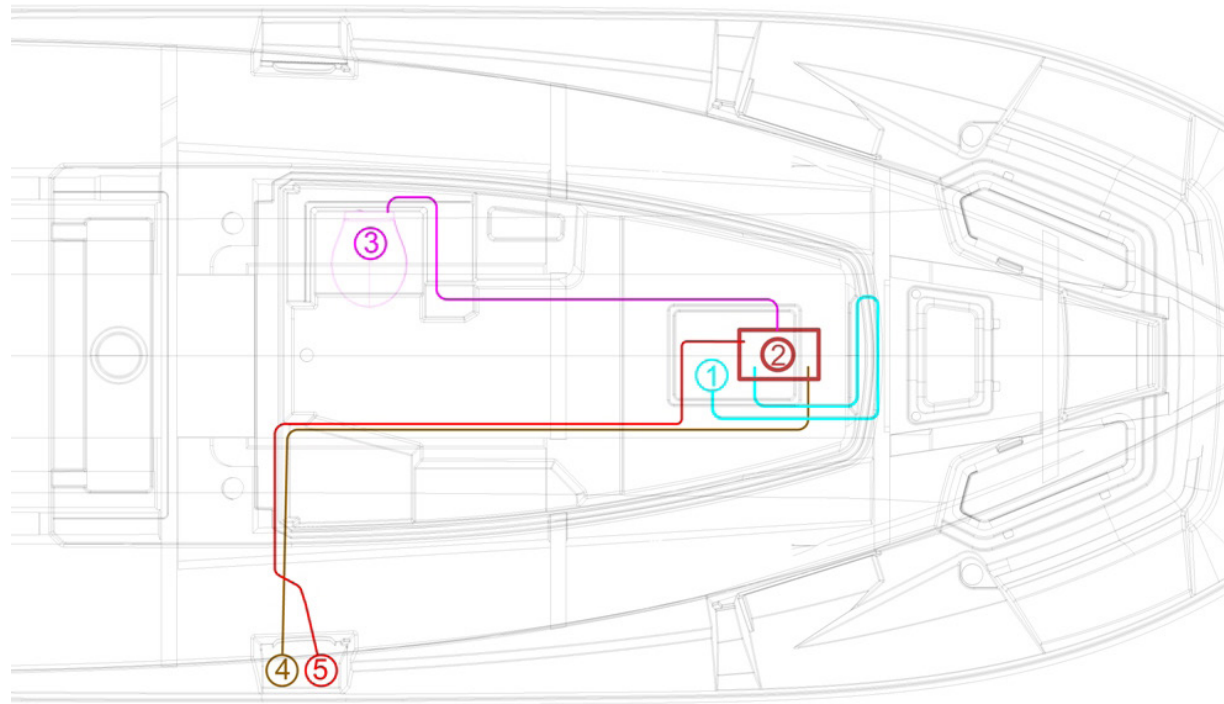
Key	Description
1	Fuel Filter Access
2	Fuel Fill
3	Fuel Tank Location
4	Fuel Pickups
5	Fuel Sender
6	Primer Bulbs



Head & Waste Plumbing Diagram



08/13/2020



- 1. Overboard discharge seacock
- 2. Waste tank
- 3. Marine head
- 4. Waste tank pumpout
- 5. Waste tank vent

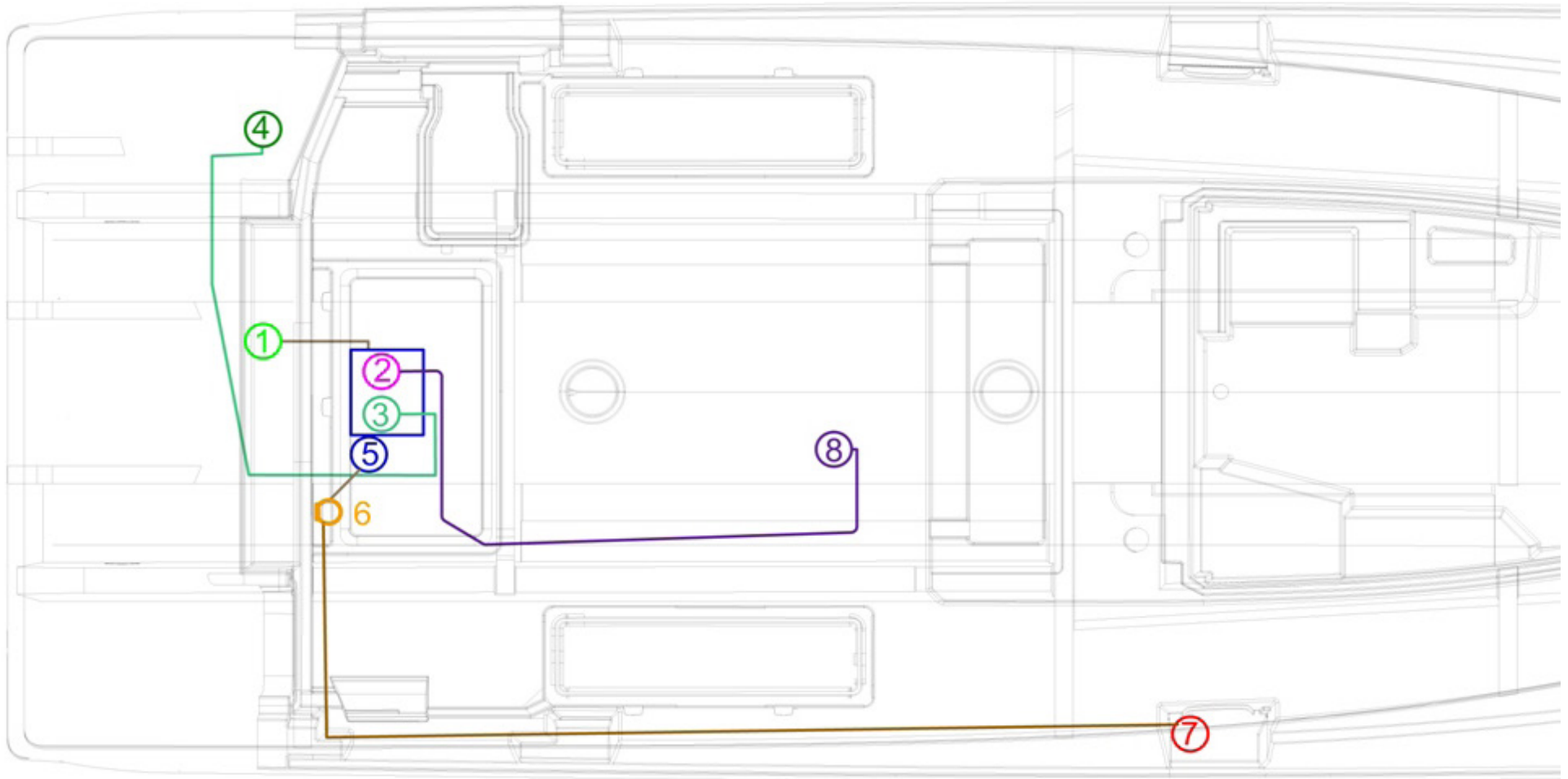
[Download Hi Resolution Diagram](#)

Raw Water Plumbing Diagram



08/13/2020

[Download Hi Resolution Diagram](#)



- 1. Raw water pickup
- 2. Leaning post baitwell pump
- 3. Transom baitwell pump
- 4. Transom baitwell aerator

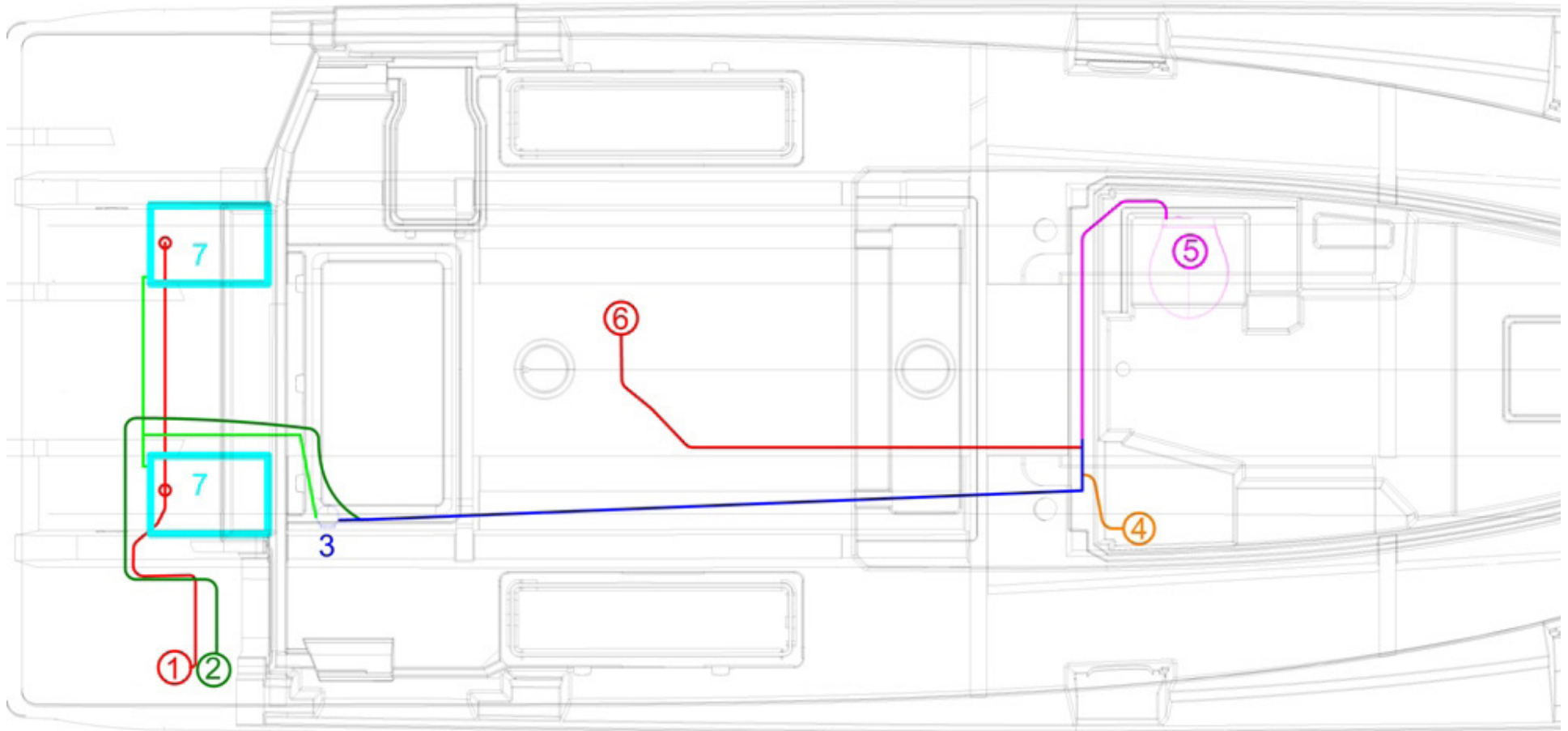
- 5. Seachest
- 6. Raw water washdown pump
- 7. Raw water retractable hose
- 8. Leaning post baitwell aerator

Fresh Water Plumbing Diagram



08/13/2020

[Download Hi Resolution Diagram](#)



- 1. Fresh water fill
- 2. Fresh water transom shower
- 3. Fresh water pump
- 4. Head Sink/shower

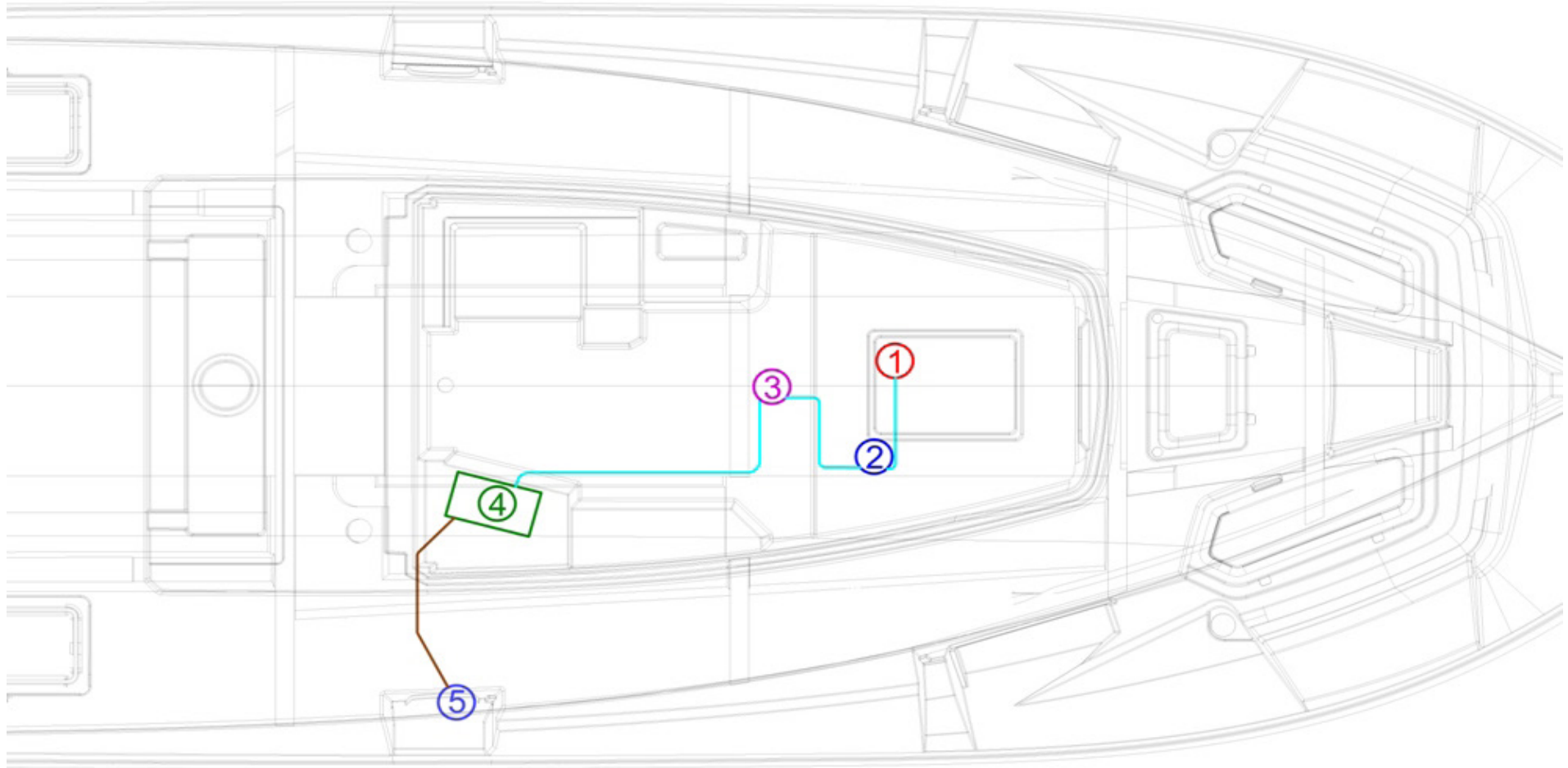
- 5. Marine head
- 6. Leaning post faucet (Optional Utility Leaning Post)
- 7. Fresh water tanks

Air Conditioner Plumbing Diagram



08/13/2020

[Download Hi Resolution Diagram](#)



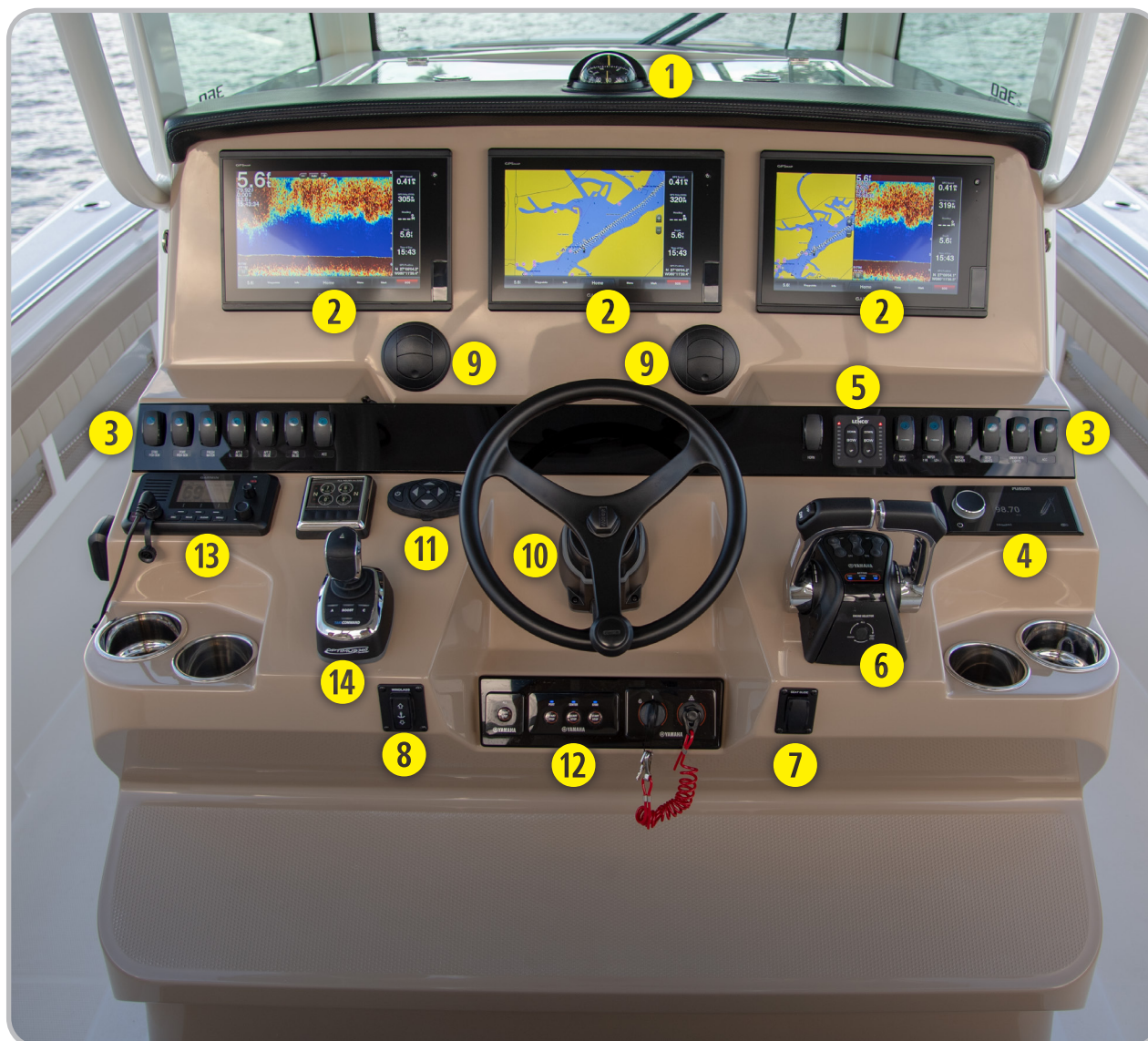
- 1. A/C Pump Seacock
- 2. Water Strainer
- 3. A/C water pump
- 4. Air Conditioner Unit

- 5. A/C Discharge

Helm Area



08/13/2020



Key	Description
1	Compass
2	Optional Garmin
3	Switch Panels
4	Fusion Stereo
5	Trim Tab Actuator Switches
6	Binnacle
7	Driver's Power Seat Slide Switch
8	Windlass Switch
9	Optional A/C Dash Vents
10	Uflex Tilt Helm
11	Optional Remote Spot Light Control
12	Ignition Panel
13	Optional Garmin VHF Radio
14	Optional Optimus 360 Joystick Steering



UFLEX Steering System

UFLEX has been the choice for steering for Sailfish boats for the last three years because of the quality of the USA built products.

Every helm comes standard with a full stainless steel shaft; cylinders are built with carbon steel pistons, coupled with extra-large end caps to prevent leakage.

All of their connection materials are 304 stainless steel that has been electro-polished and passivated.

For more information on the service and maintenance of your UFLEX system please refer to your UFLEX owner's manual or view it electronically at http://uflexusa.ultraflexgroup.com/public/File/UFLEX2013_USA.pdf



Ignition Switches, Engine Shut-off Cord/Lanyard

Each Sailfish boat will be equipped with a Yamaha or Mercury ignition switch with an emergency engine shut off cord/lanyard.

This lanyard should be worn at all times while operating the vessel, if the vessel operator falls or moves a unsafe distance away from the helm controls the lanyard will pull out causing the engine to shut down.

Make sure the lanyard is not attached to a part of your clothing that could be easily torn free causing the switch not to pull. See your YAMAHA or MERCURY owner's manual for more information on this safety feature.

Engine Break-In Period

Each new outboard motor will need to go through a break in period to make sure all of the internal moving parts and components have a chance to correctly mate.

For more information on the break in period specific to your engine please refer to your YAMAHA or MERCURY Owner's manual.



Plug and Play Wiring

Deutsch Connectors are quick disconnect plugs used for durability and ease of replacing components in your Sailfish Boat.

These water resistant plugs are for use in electrical systems where moisture, salt spray, dirt and dust could affect the electrical connections or systems.



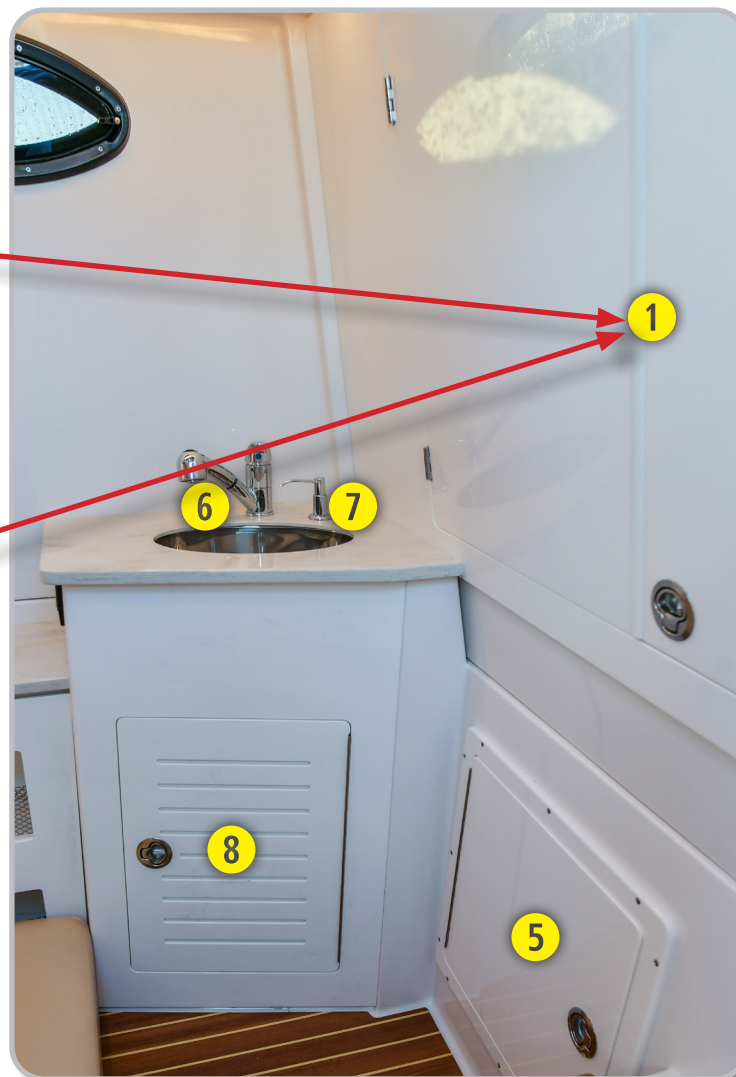
Fuel-Water Separator

Sailfish has rigged either Yamaha or Mercury water fuel separators in the bilge compartment. Each engine will have its own filter. These filters can be accessed through the floor access lid in the back of the boat. For more information on these filters, please review your Yamaha or Mercury Owner's Manuals.

Console/Head Area



08/13/2020



Key	Description
1	Large panel for easy access to Console Components
2	Breaker Panel
3	Battery Selector Panel
4	Lewmar Windlass Breaker

Key	Description
5	Battery Storage and Access Hatch
6	Fresh Water Sink w/ Pull-Out Shower
7	Soap Dispenser
8	Storage / Optional A/C Unit Compartment

VSR Battery System – “The Smart Battery Switch”



08/13/2020

The VSR, or Voltage Sensitive Relay, is a very handy little box that solves a load of traditional charging problems on marine electrical systems. It essentially serves as a smart battery switch deciding automatically when either one or more batteries are charged – or discharged. It works great on almost any boat with multiple batteries – and eliminates all of the guesswork that used to come with manual battery switches.

What a VSR does

The VSR is installed between two batteries. Many People are surprised to learn that it is NOT connected to either the alternator or charger output wires! Its setup is much more clever.

If either battery goes above 13.7 volts (due to either alternator or charger output), the VSR connects both batteries together. Both batteries are now charging – without the boat ever having to throw a switch.

Alternately, when the system voltage drops back below 12.6 volts, i.e., no more charging, the relay opens and the batteries are separate. This means that both batteries now discharge independently.

How a VSR changes real world boating

Let's say that a fishing boat has a two or three battery setup. As is often the case, one of the batteries is dedicated to an important job – starting the engine. The other battery is used for other operations.

As the fisherman runs the boat from hole to hole, the engine alternator elevates the voltage to the cranking battery above 13.7

volts. This triggers the VSR to automatically connect a starting battery and house battery together. Both are now charging. Upon reaching his destination, the boater kills the engine – and the alternator output. Because of the lowered voltage, the VSR now disconnects the batteries. Because he is now discharging only one battery, our fisherman is going to have starting power when he needs it later. Once underway again, the alternator power causes the VSR to reconnect the batteries and begins replenishing the house battery.



Bilge Access and Explanation

The bilge of your boat can be accessed through the large lid in the floor aft of the leaning post. This lid allows easy access too many of the boats components.

You may also access it through the access plates in the splash-well.



The bilge area of your Sailfish boat should be checked before, during and after each operation.

Bilge Pumps

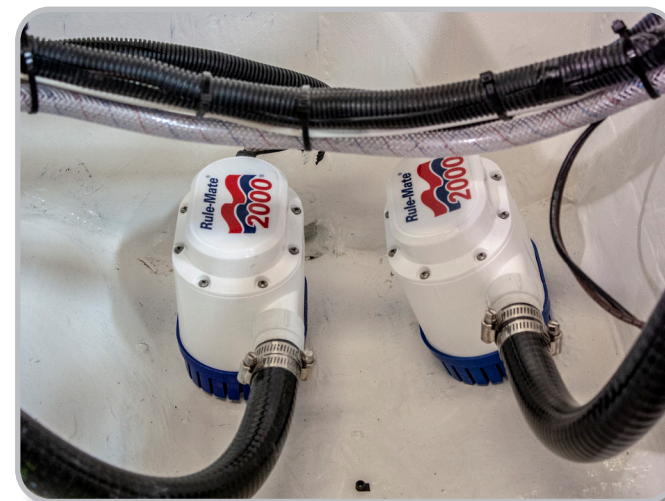
All Sailfish Boats are furnished with Rule Bilge Pumps, The Rule 2000 GPH (gallon per hour) pump has a built in automatic float switch. This is engaged when the water level rises in the bilge and the float rises in the pump causing the pump to turn on.

These pumps can be tested by turning them upside down, the pump should turn on, once turned back over it will run for a few more seconds and then shut off. The pumps also have a manual switch function on the main switch panel.

These pumps are wired into your boat bypassing the battery switch so that they have power at all times, this allows the automatic feature to work while you are away from the boat and the batteries are turned off.

Sailfish boats 241CC and larger are equipped with a forward bilge pump that is an electronic sensor pump. These pumps have a state of the art internal water sensor that detects water and automatically activates the pump when there is enough present to be pumped out.

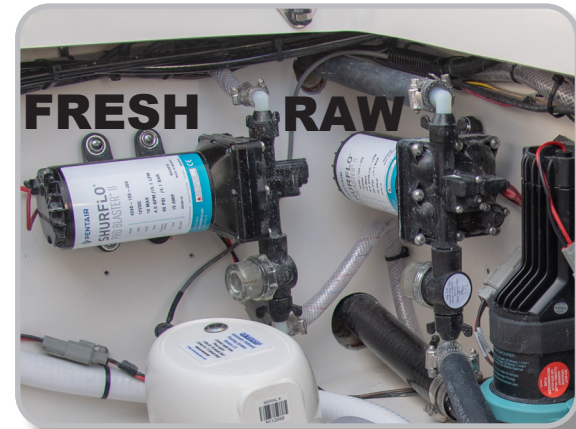
These pumps can be tested by placing your finger over the “Test Area” on the back of the pump for 5 seconds, the pump will turn on to let you know it is functioning correctly. All wiring and switches to these pumps are the same as the Rule 2000GPH pumps.



Raw water Washdown system

The raw water wash down on your Sailfish Boat is powered by a Shur-flo Pro Blaster Pump which creates a pressurized system, once the pump is turned on and pressure is created the pump will shut down until more pressure is needed. The raw water wash down pump can be accessed through the center lid in the floor, aft of the leaning post.

To operate make sure the seacock is in the open position. The hose fitting for the wash down is located under the gunnel, mid-ship on the starboard side, to use simply pull out the retractable nozzle and turn the switch on. Pressure will build up in the hose and the nozzle and as you spray the pump will continue to engage as needed.



Freshwater Washdown and Shower System

The freshwater washdown and shower system on your Sailfish Boat is powered by a Shur-flo Pro Blaster Pump which creates a pressurized system, once the pump is turned on and pressure is created throughout the freshwater hoses; once they are all pressurized the pump will shut down until more pressure is needed.

All of the freshwater systems on the boat will operate on this system once the freshwater switch is engaged.

You should allow a few seconds for the system to prime and pressurize before attempting to use any of the showers/sinks ect.

The freshwater holding tanks are located behind the pump house compartment in the bilge area.

The fill for this tank is located on the gunnel, aft starboard side of the vessel just below the motor flushing system hook-up. The freshwater pump can be accessed through the lid in the center of the deck aft of the leaning post.



Instructions

- Make sure the seacock below the baitwell pump is in the open position (seacock is accessed through the hatch under the transom walk thru door).
- Turn on the livewell switch.
- Adjust the black aerator in the livewell to the desired flow (if your model has a livewell in the leaning post you can adjust the aerator to pump water into the transom livewell or the leaning post livewell or both)
- In order to fill the livewell, reach in the access hatch below the livewell and close the red handle ball valve.
- The livewell will fill up until it reaches the Overflow built into the side of the livewell. This allows the water to continually pump in and drain out while maintaining the water level.
- To drain the livewell open the red handle ball valve.
- LP livewell has a black drain plug. Insert it in the bottom drain fitting and turn livewell switch on.



The 360 CC is equipped with two diaphragm pumps called the gulper grouper (pictured to the right). The Whale Gulper Grouper pump has no impeller to clog or burn out. Unlike impeller pumps these have no-choke valves that easily pump out fish box waste.

They also offer long term durability, they can run dry without causing damage.

Troubleshooting

Electric Motor Runs but doesn't pump

- Disconnect pump and turn off all power.
- Disconnect hoses and unscrew housings.
- Check entire hose system for blockage.
- Inspect tricuspid valves for blockage or inverted valve(s).
- If valve(s) are blocked, remove blockage, re-assemble the pump and continue use.
- If a tricuspid valve is inverted, replace with a new tricuspid valve, reassemble the pump and continue use.

If the electric motor will not operate, check that:

- The isolator switch is on.
- There is 12 volts at the battery terminals.
- The in-line fuse / circuit breaker are operational.

If the fuse / circuit breaker has blown, check for debris in pump head and clean out if necessary. Replace the fuse or re-set circuit breaker and run the pump.



Console Top Organizer

Standard on the 270CC, 290CC, 320CC and the 360CC, the console top organizer is a great place to store almost anything. It also includes a 12 Volt plug, MP3/USB hook up, and a head-phone jack for playing music from a phone or I-pod.

Always store the organizer with the lid in the closed position. To close, simply push the middle of the spring towards the front of the boat with one hand and use your other hand to gently close the lid. The support spring is in the picture to the right.



Key	Description
1	Lid Spring
2	MP3/USB and Head-phone Jack
3	12 Volt Plug

Cleaning

The attractive surface appearance of stainless steel cannot be regarded as completely maintenance-free. Our 304 Series Stainless Steel may in fact stain, discolor, or accumulate a layer of surface contamination (dirt and grime) during the normal course of the life cycle.

Minute particles of dust and rust may adhere to the stainless steel during shipping, installation or storage at OEM or retail locations.

Also, please remember that some types of stainless steel fasteners tend to “bleed” over the tabs and onto the boat. To achieve maximum corrosion resistance, the surface of the stainless steel must be kept clean and free of all these contaminants.

NOTE: Lenco RECOMMENDS AN ACID AND WATER SOLUTION TO CLEAN THE TRIM TAB BLADES. MARYKATE'S ON & OFF PRODUCT IS A GOOD CHOICE. RINSE THOROUGHLY UPON COMPLETION. BIODEGRADABLE, BUT PLEASE FOLLOW THE MANUFACTURER'S INSTRUCTIONS BEFORE APPLYING.

Sacrificial Anodes for your Lenco SS Trim Tabs

Be aware that stray currents in your marina or in a visiting marina can cause damage to your trim tab blades if not protected by sacrificial anodes.

- The addition of anodes on each tab will deter electrolysis.
- Do not paint under the anode or the anode itself.
- Check Anode condition frequently. Replace when necessary.

Visual inspection of system

- Periodically inspect all wires, mounting brackets, and hardware for damage.
- Make sure all mounting brackets are secure and working properly.
- Periodically test system for smooth operation.



If your boat has a factory installed windlass there will be a complete owners' manual in your owners packet. For more detailed information please refer to your windlass owners manual. If you have a thru hull windlass system the remote will be stored forward in the windlass hatch.

Included on this page are some maintenance recommendations and a troubleshooting guide.

Maintenance

General Recommendations

- After the first two or three anchor recoveries, check the mounting nuts to ensure that the windlass is still fastened tightly to your deck, as it should now be bedded-in.
- Regularly wash down the exterior of your windlass with fresh water.
- Examine all electrical connections for possible corrosion, clean and lightly grease as necessary.
- Anchor rode splice should be checked regularly and remade if there is any evidence of wear.
- The Gypsy should be examined on a regular basis, because it is a high wear item. The Gypsy is designed for short scopes of chain and will last longer if properly used.



The windlass breaker is located in the head/console compartment.

Troubleshooting

Anchor Rode pays out independently while windlass is not in use

This problem is a result of not securing the anchor rode combined with the Gypsy Drive Cap being slack. Tighten the Gypsy Drive Cap using the tool provided and always secure the anchor rode independently of the windlass whenever it is not being deployed or recovered.

Electrical Troubleshooting

As with most electrical marine equipment the majority of problems that arise are electrical in nature. Therefore it is essential that the proper voltage be maintained. The proper voltage on a 12 Volt system is 13.5 Volts. (Constant low voltage will destroy the motor). Ensure that electrical cable size is large enough to handle the current draw imposed upon it and keep the voltage drop within acceptable limits. In any circumstance voltage drop due entirely to cable resistance should not exceed 10%.

Follow the charts on the following page to troubleshoot the problem.

Lewmar ProFish 1000 Windlass Troubleshooting Chart



08/13/2020

Failure to Operate Troubleshoot Chart: Reversing Toggle Control Switch (Part No. 0052519)

Is there voltage at the input terminal (positive) to the control switch?	If no voltage is present, the battery isolation is OFF, the breaker is tripped or a fuse has blown. The battery may also have been dead or disconnected.
Yes ▼ No ►	
Check voltage at the output terminals of the control switch with the switch on forward then reverse.	Control switch is defective.
Yes ▼ No ►	
Replace Motor	

Sluggish Operation Troubleshoot Chart

Is windlass overloaded?	Ease the load and ensure the battery is well charged.
Yes ▼ No ►	
Check the voltage across the motor leads with the windlass on. (Proper voltage is 13.5V. Constant low voltage will destroy the motor). Is the voltage low? (Below 11.0V on a 12V system?)	There is a severe voltage drop in the circuit. Check for undersized cables, poor connections or corroded connections. Also check for resistance across the battery isolation switch or solenoid. (Feel them to see if they are heating up).
Yes ▼ No ►	
Is the voltage correct? (Above 11.0V and anchor is not fouled).	The motor is defective. Replace the motor.
Yes ▼ No ►	

Hard Top



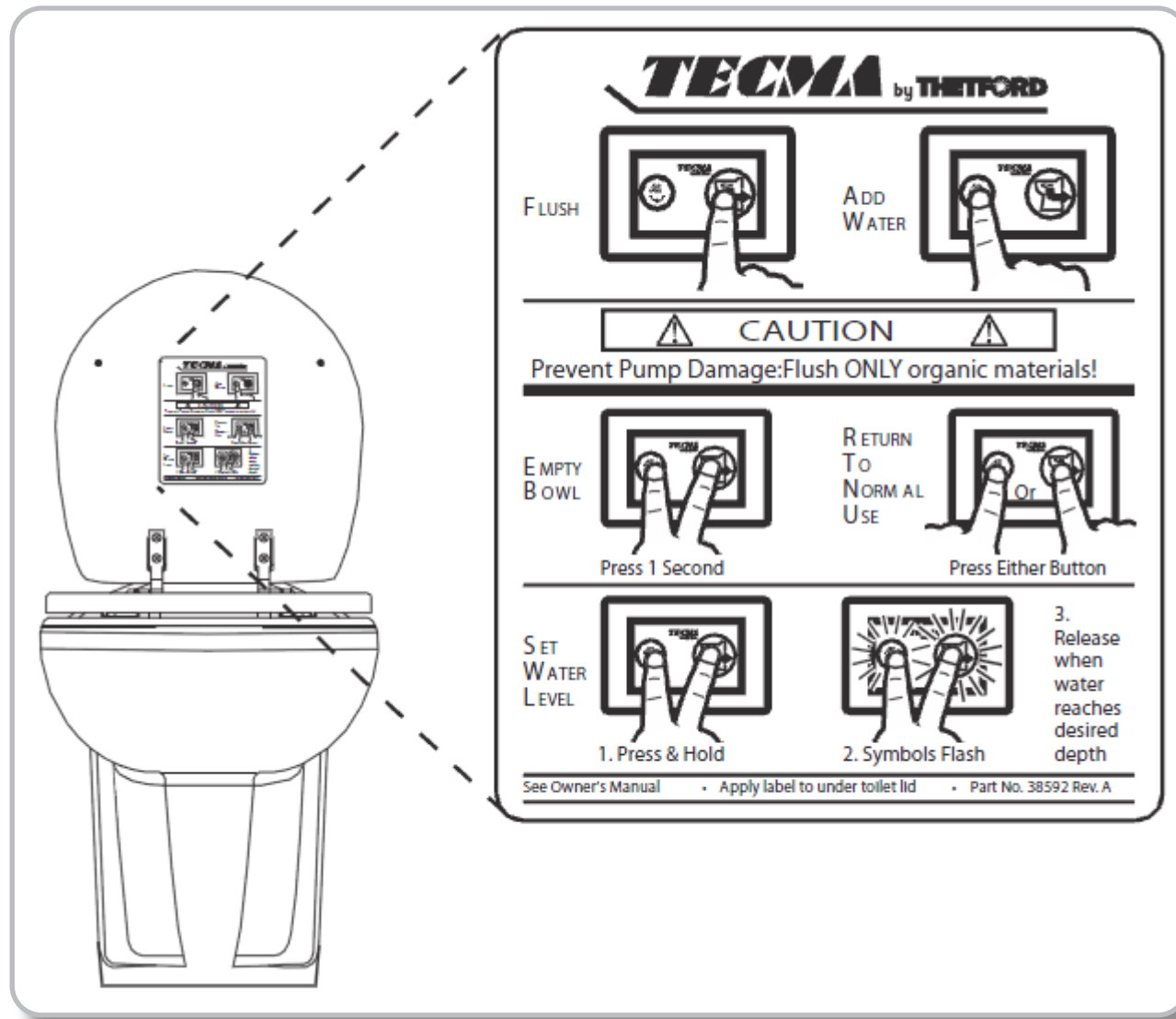
08/13/2020



The hard top is equipped with courtesy lights, spreader lights, docking lights, an anchor light, two speakers and overhead storage boxes.

Key	Description
1	Power Vent
2	Power Aft Shade
3	Hard Top Lighting Switch Panel
4	Brand Specific Motor Gauge
5	Windshield Wiper w/ Washer
6	Optional Rear Facing Camera
7	Overhead Fully Vented Sun Roof & Hatch

Type III MSD Waste Management System

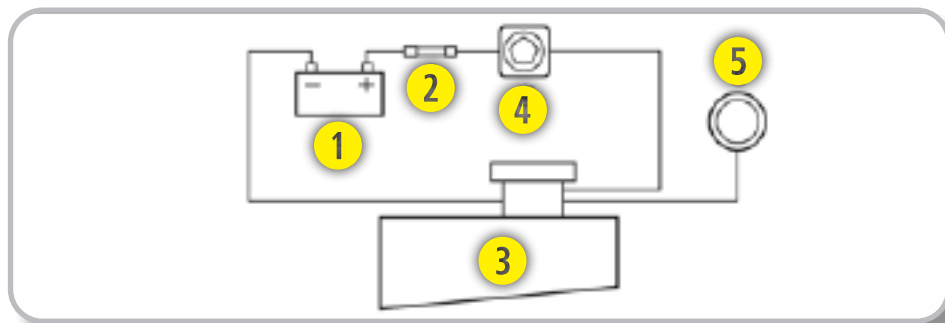


Marine Head with Waste Tank



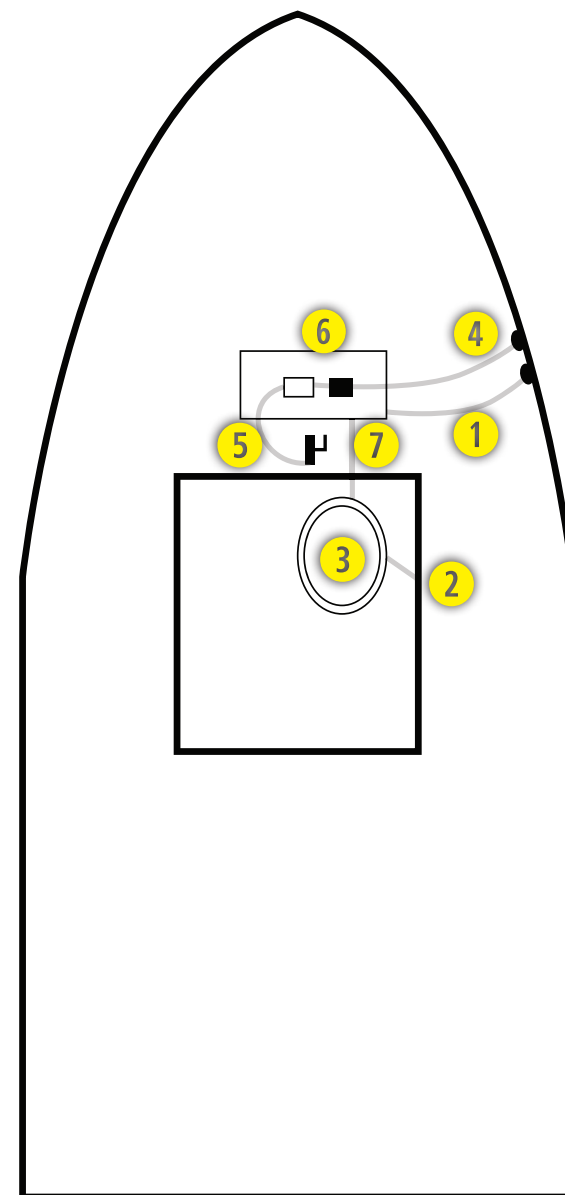
08/13/2020

Type III MSD Waste Management System



Key	Description
1	Battery
2	Fuse
3	Waste Management System
4	Master Switch
5	Controller for Waste Management System

Key	Description
1	Vent
2	Inlet
3	Toilet
4	Deck Pump Out
5	Overboard Discharge
6	Waste Holding Tank
7	Outlet



Cleaning

Use Thetford's Aqua-Clean, a non-abrasive all purpose cleaner, on the bowl and macerator pump. It is specially formulated and thoroughly tested to be safe for all components of your toilet system. It safely removes iron stains and hard water deposit and can be safely used on many other surfaces, including countertops, sinks, showers and tubs. Just squeeze Aqua-Clean onto surface. Allow to sit a few minutes and clean with a sponge. For severely soiled toilets, allow Aqua-Clean to soak overnight.

Never use household cleaners, which can contain bleach, in the toilet system. Household toilet bowl cleaners contain harsh acids. Bleach, petroleum based products, strong acids and abrasives can cause irreversible damage to the toilet system and components.

Winterizing

Use only propylene glycol based, non-toxic antifreeze when storing toilet during freezing conditions. Never use automotive antifreeze or windshield washer solvent to winterize.

Make sure that both the entire supply and discharge systems are thoroughly winterized to ensure complete protection for your system.

Storage

When Storing the system for more than two weeks, thoroughly clean toilet and hoses by flushing with Thetford's Aqua-Kem, EcoSmart or Aqua-Clean.



Access to the Marine Head Discharge Sea-cock is located under the bedding area, accessed through the covering lid, it is the same access used for the Fwd Bilge pump and A/C unit Sea-cock inlet.

NOTE: This is a freshwater marine head system that runs off the boats freshwater tank, using the head will affect the boats freshwater supply.

Seasonal Start-up

Test the toilet before using by flushing the toilet to check operation. Verify that there are no leaks.

Deodorants

Thetford holding tank deodorants deliver exceptional deodorant performance, tank cleaning and waste digestion.

Formaldehyde-based deodorants like Thetford's Aqua-Kem deliver unsurpassed odor control even in the hottest conditions. Eco-Smart provides the best non-formaldehyde based odor control. Both are available as liquids in various sized bottles, granular in foil packets, and granular as water-soluble Toss-Ins.

EcoSmart, a liquid available only in a 32-oz bottle, provides enzyme based waste digestion and odor control.

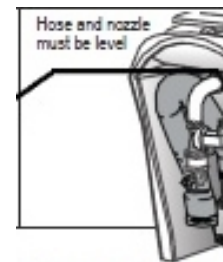
Tissue

To facilitate flushing, it is recommended that you only use toilet tissues especially designed to disintegrate rapidly (unlike household tissues), such as Thetford's Aqua-Soft (2ply) and RV/Marine Toilet Tissue (1ply).

Type III MSD Waste Management System



08/13/2020

PROBLEM	CAUSE	ACTION / SOLUTION	
Toilet does not flush or performance is poor	Waste tank is full	Empty waste tank before continuing to use toilet.	
	Clog at pump inlet	Clear clog. DO NOT flush foreign objects.	
	Solid object in macerator	DISABLE power. Attempt to remove object. if unsuccessful, contact Thetford Tecma Servcie (1-800-521-3032). DO NOT flush foreign objects.	
	Low Voltage	Check that toilet supply voltage is 12V+/-2V (24V+/-2V) AND that there is no more than a 10% decrease in voltage when macerator is running. If voltage decreases more than this, there may be a wiring problem in the boat.	
Water does not enter bowl during flush or water add cycle	Water supply line kinked or not connected	Check that supply line is properly connected to fresh water supply. Check for kinks in the supply line.	
	No power to water pump	Check that fuse/circuit breaker has not tripped. Ensure all electrical connectors to water pump are fully mated.	
	Water supply has been turned off	Open water supply valves or reconnect power to supply pump.	
	Solenoid not plugged into relay module (where applicable).	Ensure wiring harness to solenoid is fully connected.	
Water continues dripping briefly into bowl after flush cycle is complete	Toilet is installed below the water line with vented loop in water supply line	Normal operation – if only a small amount of water drips from the nozzle.	
Bowl drains dry after flush	Water is siphoning out of bowl due to discharge hose pulled down.	Discharge hose from macerator pump is pulled down. Straighten hose so that top of discharge hose is in line with toilet nozzle	



Note: This Troubleshooting guide is intended to provide a basic service aid in the case of incorrect toilet operation. If the suggested actions above do not resolve the issue, it may be necessary to bring unit in for professional service. Thetford Customer Service – 1-800-521-3032.

Type III MSD Waste Management System



08/13/2020



- Rugged Polyethylene holding tank
- Barbed fittings for all hose connections
- Heavy Duty Macerator
- Three run-dry and accidental activation safety features
- Evacuation Pump
- Touch-pad waste management control panel
- Additional dock side evacuation pick up

Pump Features

Pump:	Self-Priming Flexible Impeller with Stainless Steel Wearplate
Impeller:	Jabsco Nitrile compound
Macerator:	Stainless Steel Cutter reduces particle size to 1/8" (3mm) maximum
Seal:	Lip Type
Ports:	Intec – 1-1/2: (38mm) Hose Barb and 1-1/2" N.P.T. (Male) Outer – 1" (19mm) Hose Barb
Motor:	Permanent Magnet Type, Fully Enclosed with Stainless Steel Shaft Includes Run-Dry Protection Device that shuts off pump. Powder coated housing with sealed end bolts and bearings.

System Features

Level Indication: When pressed, the level indicator will illuminate for 1 minute. When the tank level reaches full, the indicator will flash automatically to alert the user to empty the tank.

Sleep Mode: If the flashing LED is a disturbance, the unit can be put into sleep mode. The unit will emerge from sleep if the system is turned off or the tank level is increased. NOTE: the unit is unable to be put into sleep mode if the tank is 7/8 full or greater.

Empty Button: This button needs to be pressed and held for 3

seconds to activate the pump. This eliminates the possibility of accidental operation.

Averaging: Two different level averaging methods have been used – one when filling and one when emptying. This compensates for the boat's movement when the tank is filling, and still allows an accurate reading when emptying.

Fail Safe Feature: If no fluid movement is sensed 20 seconds after the pump is set to run, the pump will shut down and indicate a fault check pump and plumbing for a blockage.

Installation:

The holding tank should be located close to the toilet. A proper seacock is required if the discharge thru-hull is positioned below the waterline.

Both the discharge thru-hull and the holding tank are installed to prevent a potential siphon. Contact a marine plumber or Jabsco technical support specialist for installation assistance.

Mount on a strong flat surface. Note: the area of installation needs to support the weight of the unit and its contents.

Four mounting feet (included) need to be attached to the platform with four machine or lag screws and four flat washers.

Plumbing:

Each tank contains:

- 1 x 1 ½" deck pump out – evacuation pickup tube (Install to dockside pump-out deck plate)
- 1 X 1 ½" inlet port – from toilet system
- 1 x 3" O-ring sealed inspiration hatch
- 1 x 1" vent* - connect to vent outlet usually sited high on a vessel's hull near the gunwale
- 1 x 1" Overboard discharge port macerator pump out. Discharge: connect to the overboard discharge thru-hull fitting.

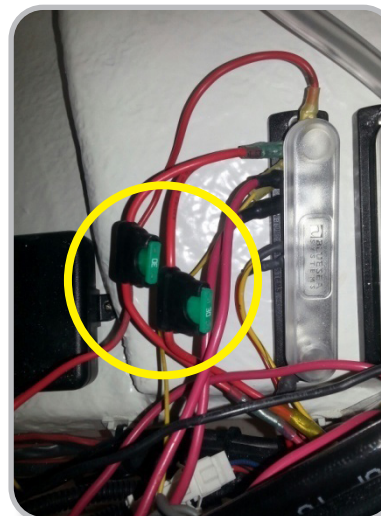
* See plumbing diagram for recommended installation.

Maintenance:

Flush system with clean water to remove any build up of sludge or debris. It is recommended that this process be completed at least once a year. Please reference 18590 Series Macerator datasheet servicing section for details.

Winter Storage:

Empty the complete system of all water making sure pipe work and pump are completely free of waste.

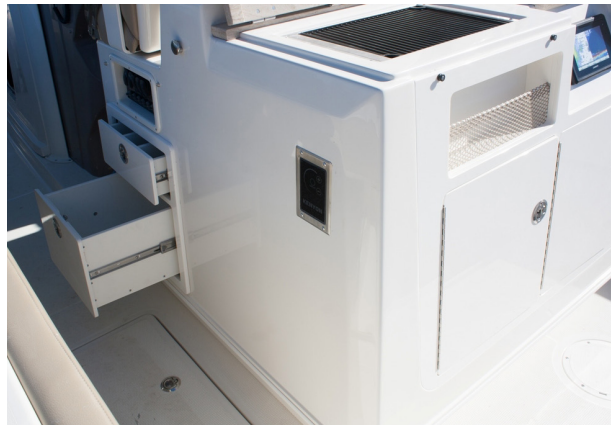


The fuses for both the marine head and the waste tank are located behind the dash in the first panel coming off the bus bar, pictured to the left.

Optional Utility Leaning Post



08/13/2020



Utility Leaning Post comes with 12v Fridge, Electric Grill with inverter/charger, Corian Counter Top, Tackle Storage, Tackle Organizer, Livewell & Landing for Rear Facing Bottom Machine.



Isotherm CRUISE 42 Stainless Steel (INOX) Small CRUISE Marine Fridge

The Isotherm Cruise 42 Stainless Steel is a unique refrigerator that can fit locations with limited depth because of its remote-mount compressor. The CR42 has 1.5 cubic feet of storage with room for tall bottles to stand upright inside the fridge due to its 'right-sized' freezer compartment.

- Volume: 42 liters (1.5 cubic feet)
- Silent, highly efficient, fan cooled 12/24V Danfoss / Secop re-remote-mount compressor (type DB35F)
- Mounting frames for a complete flush integration
- 316 grade brushed stainless steel doors
- Exclusive, complete stainless steel design (doors and handles)
- 4 liter 'right size' freezer compartment allows tall bottles to stand upright in fridge interior

[For More information, click here](#) or check your Owner's Packet for your user manual.



Electric Grill Option

The Kenyon Grill in the Utility Leaning Post is a two-piece design that allows the grill and ceramic touch remote to be separated making it perfect for tight quarters where counter space is limited. The remote control is mounted in a separate location within a 6 foot range.

Specifically designed for marine application, the Kenyon B70360 Grill easily drops into any cabinet allowing users with limited height clearance an easy solution. When not in use the grill is covered by a hinged countertop so an additional work surface is available to entertain guests onboard. Grill control location is shown in the inset image.

120V w/GFCI Model #: B70360

[Download the Kenyon Owner's Manual for your grill.](#)

Pro Mariner Inverter/Charger for the Optional Kenyon Grill & Optional AC

The TruePower Combi 2500 QS converts DC battery power to filtered AC household power. Designed specifically for the most rugged marine applications. Seamless conversion of DC battery power to filtered low noise AC household power. AC switch automatically selects AC or DC power inputs (depending on which source is available), ensuring AC household power is available at all times. TruePower QS includes a digitally controlled, True 3-Stage battery charger that can automatically recharge, condition and maintain batteries. Whether on the water or at the dock, TruePower QS Series is ideal for large AC load applications such as for the Kenyon Grill.

- 7 Selectable 3-Stage Battery Charge Profiles
- Compact, Robust Design: Easy-to-install, space saving design
- Fully Automatic Battery Charger and Inverter: Instant AC transfer switch passes AC shore/station power. Charges batteries when shore/station power is present, or switches safely into DC to AC inverter mode, making AC household power available on the water or on the road.
- Charger Mode: Integrated, Automatic True 3-Stage Marine
- Grade Battery Charger: Built-in digital control technology provides seven user-selectable charge profiles for today's various battery chemistries
- Inverter Mode: Efficient, Quiet Conversion from DC Power to AC Power. Filtered Quasi (modified) Sine Wave AC output. Ideal for appliances. Inverter delivers 2.8 times surge capacity for demanding applications such as grills, microwaves, refrigerators and more.
- Built-in Safety: Overload, Over Temperature, High and Low Battery Voltage Protection designed and constructed to FCC Class A, Marine UL 1236, UL 458, and CE ABYC-A 31 Marine Compliant



For more information and a [downloadable Owner's Manual click here](#) and then click the Marketing Resources box.

Optional Rear Facing Bottom Unit



08/13/2020



Optional 9-inch Garmin Chartplotter Combo

- 9-inch high-resolution intuitive touchscreen controls
- NMEA 2000® and NMEA 0183 support for network connectivity, including autopilots, digital switching, weather, FUSION-Link, VHF, AIS and more
- Garmin Marine Network support for sharing sonar, including Panoptix™ sonar, maps, user data, radar and IP cameras among multiple units
- Preloaded U.S. LakeVü HD maps and BlueChart® g2 charts



Optional A/C & Heat



08/13/2020



Key	Description
1	Heat & Air Vent
2	Heat & Air Control Panel
3	Location of the Heat & Air Unit



Operation of the A/C Unit at the Marina

- Plug your dockside cord into your dockside power supply
- Plug the other end of your dockside cord into your shore power socket, secure it by twisting the ring nut to the socket.
- Check your shore power panel for correct polarity, red light located lower left of the shore power panel
- Make sure that the green light is illuminated, which will show you have power coming in
- Switch on the main shore power panel switch, top center switch
- Switch on the A/C Unit switch, third rocker switch down
- Go to the A/C control panel, switch on and adjust the temperature to your comfort
- To end this process, just do the reverse of this order

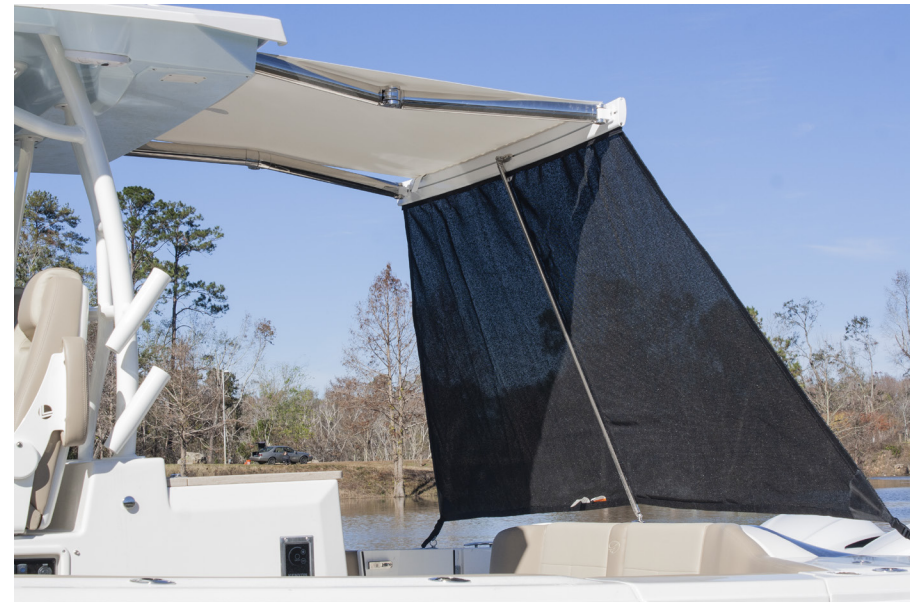
Operation of the A/C Unit offshore using the inverter system

- Switch the inverter power panel switch from the off position to the stand-by or on position
- Switch on the main shore power panel switch, top center switch
- Switch on the A/C Unit switch, third rocker switch down
- Go to the A/C control panel, switch to on, then choose heat or cool and adjust the temperature to your comfort
- To end this process, just do the reverse of this order

Optional Bow & Rear Shade Extension



08/13/2020



Optional Rear Facing Camera



08/13/2020

Garmin GC 100 WiFi Marine Camera

Wi-Fi®: Built-in Wi-Fi

Wi-Fi range: 70 meters (230 feet) line of sight

Camera connection: Wi-Fi connection

Power: Hardwired (10-30 Vdc)

Images: standard and reverse

Night vision: Built-in IR LED illumination (940 nm)

Night vision distance: Up to 3 meters

Viewing angle: 183° (diag) / 160° (horiz) / 90° (vert)

Image sensor device: 1/4 in (4.5mm) high-sensitivity CMOS

Effective pixels: 1280 x 720 (720p HD)

Scanning system: Rolling shutter

Resolution: 1280 x 720 (720p HD)

Video output: H.264 stream over Wi-Fi

Operating temperature: -20°C to +60°C

Infrared spectrum: 940 nm

Gain correction: Auto

White balance: Auto

Electronic shutter: Auto

Back light compensation: Auto

Day/night operation: RGB mode full-time

Waterproof rating: IPX7

<https://support.garmin.com/support/manuals/manuals.htm?part-No=010-01865-30&language=en&country=US>





Go Light Stryker® LED Searchlight

- 10 High Flux LED's
- Wireless or Hardwired Remote Control Options
- Permanent or Portable Mounting Options
- 370° Rotation x 135° Tilt
- 410,000 Candela, Max Beam Distance 4,200 ft
- 2.8 amps at 13.8V
- 8° Beam Angle
- UV Ray and Saltwater Resistant
- Weather Proof for Land and Sea Applications



Console Mounted Controls

Electronic Actuated Bow Table & Bow Filler



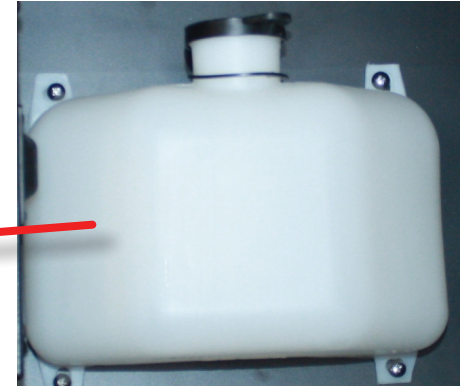
08/13/2020



Windshield Wipers, Reservoir & Windshield Vent



08/13/2020



Windshield washer fluid tank can be accessed by opening up the four hatches that gives you access to the back side of the dash. Washer fluid tank will be located directly under the onboard built-in battery charger.



Adjustable Helm Seat & Driving Platform



08/13/2020

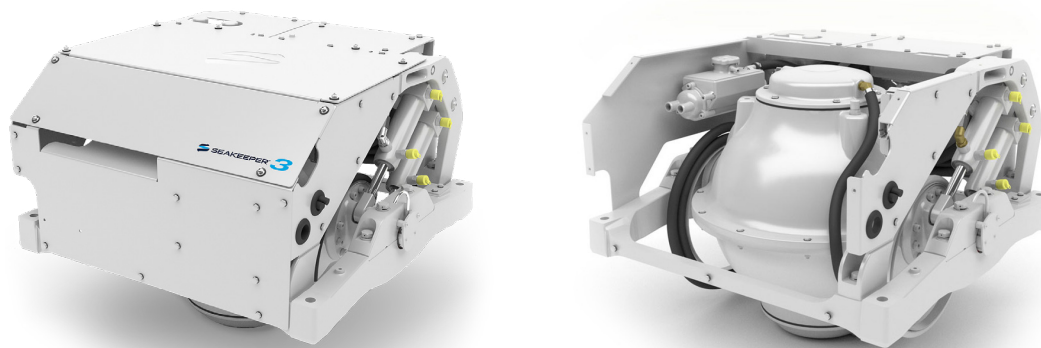


Helm Seat Slide Switch



Seakeeper 3

Seakeeper's active control optimizes gyro torque, providing an unsurpassed level of performance. Unlike a passively controlled gyro, which must be turned off in the roughest conditions and/or at higher speeds, the Seakeeper is effective at all speeds and can be used in all sea conditions. See your owner's manual included with your Seakeeper for operating instructions.



There are two charging sources for the SeaKeeper batteries.

- 1 – Built-in battery charger that is powered by your shore power panel.
- 2 – An ACR switch that uses charging current from one of your outboard engine.

ACRs are automatic switches that sense when a charging source is being applied to either battery, and closes when the voltage on one rises high enough to indicate it is at or near full charge. This prevents both batteries from draining when there is not enough current to charge both Engine & SeaKeeper Batteries at the same time.

Weight: 550 lbs (249 kg)

Dimensions: 26.8 L x 27.0 W x 23.3 H (inches)

Maintenance

Seakeeper gyros are designed to require minimal maintenance since most of the critical components operate in a sealed enclosure, protected from the corrosive moisture involved in life on the water. Outside of the sphere, the closed loop hydraulic circuit and cooling circuit should be periodically inspected and serviced. For an outline of routine service, please consult the scheduled maintenance table found in the Operation Manual.

Dive Door & Boarding Ladder



08/13/2020



Reverso Engine Flush System



08/13/2020

Flushes All Your Outboards without the Hassle of Moving the Hose to each Outboard

The system works whether the vessel is in or out of the water, with the engine off, and in the vertical or tilted position, vertical position is best. The water travels from the hose, through the system, and sent to each engine for a preset time—until the last motor is flushed. The system automates the flushing sequence so the user does not have to connect the hose to every flushing port on the outboards.

<http://reversopumps.com/product-literature.htm>

Three Steps To Flushing Outboards Motors

The **Automatic Outboard Flushing System** flushes each engine in a sequence.

- 1 Connect freshwater hose to the system.
- 2 Press start button.
- 3 Flushes the first motor completely before moving to the next, and shuts off once all motors are cycled.



Battery Charger



08/13/2020



Operating the On-board Built-in Battery Charger

- Plug you dockside cord into your dockside power supply
- Plug the other end of your dockside cord into your shore power socket, secure it by twisting the ring nut to the socket.
- Check your shore power panel for correct polarity, red light located lower left of the shore power panel
- Make sure that the green light is illuminated, which will show you have power coming in
- Switch on the main shore power panel switch, top center switch
- Switch on the battery charger switch, second rocker switch down
- You can check the charging status of your batteries by rotating the DC status switch on the right hand side of the shore power panel
- Battery charger will automatically switch from charging to maintenance mode once batteries are fully charged
- To end this process, just do the reverse of this order



Optional Bow Thruster



08/13/2020



The optional bow thruster is an electrical propulsion device unit that provides lateral thrust to help with maneuverability of the bow. The bow thruster pushes a boat's bow sideways in either direction through the water using suction to draw in water from one side of the boat and push it out the other side to move the bow sideways (port or starboard).

The bow thruster gets its voltage from one of the engine batteries. To operate the bow thruster, engine battery switches in the on position and simply push the power button on the joystick panel and use the joy stick to maneuver the bow to port or starboard.

Shore Power



08/13/2020



Your shore power system starts at the dock power pedestal. The conventional system on your Sailfish boat and your local marina combines two circuits with circuit breakers rated at 30A, two female receptacles, and a hinged lid to keep water off the connection. These receptacles have a threaded ring that allows the shore power cord to connect securely and make a waterproof connection. This is a 30A 25' yellow cord. The contacts on the plug will only fit one way into the receptacle, which prevents polarity problems and provides a secure connection when the plug is twisted slightly clockwise.

To operate off of the AC shore power, turn on AC Main switch, top center of the shore power panel, then you can flip on the AC Outlets, the on board battery charger to charge the house batteries and engine batteries, as well as turning on the Frig and the grill if equipped.

While shore power systems only work when you are plugged in to an external source of AC power at the dock, the 360CC may have the optional inverter system which allows you to enjoy AC power when underway.

If equipped with the optional inverter system, once the shore power is plugged in at the dock, the inverter will pass the AC current through to the shore power panel and the inverter/charger will start charging the inverter's batteries. You can operate your shore panel as normal.

While underway, you can turn on the inverter to either standby or to the on position. In standby mode, the inverter will wait until an AC appliance calls for current. In this mode it will not deplete your batteries' voltage, like it will in the on position. In standby or on position, your shore power panel will be supplied with AC current to run everything as if you were at the dock. Running everything will rapidly deplete the voltage on your inverter batteries.

Sailfish highly recommends that you limit your offshore inverter power to run the air conditioner only. NOTE: please make sure that the switch for the battery charger and the frig, on the shore power panel, is in the off position. The frig will run off the DC side using your house batteries that are being charged by your outboard engine. Sailfish highly recommends that you limit your offshore inverter power to run the air conditioner only. NOTE: please make sure that the switch for the battery charger and the frig, on the shore power panel, is in the off position. The frig will run off the DC side using your house batteries that are being charged by your outboard engine.

New Shore Power Panel



08/13/2020



CAUTION: To avoid electrical shock while servicing and or making repairs to your shore power system, make sure that the dock side power source is unplugged, and the optional inverter's battery switch is in the off position.

Offshore Inverter System - U.S.



08/13/2020



Offshore Inverter System - European



08/13/2020



SeaChest Baitwell Pump System



08/13/2020



The SeaChest is basically a plumbed box installed in the bilge below the water line. It has a single supply hose that floods the watertight box and also has a vent tube to allow the air out the box. The SeaChest contains two livewell pumps that delivers clean, bubble-free seawater to the individual livewells. It helps to remove air and prevent air locks, and keeps the pumps constantly submerged, so they run cooler and last longer.

To operate this system, open up the raw water seacock valve and that will allow the water to fluid the SeaChest box. Turn on either or both Baitwell switches and the seawater will be pumped to the baitwells.

Overhead Engine Monitor



08/13/2020



Your standard engine monitoring gauge will be either a CL-7 for the Yamaha Outboards or the Vessel View 703 for the Mercury Outboards. Please refer to your Outboard Owner's manual that was supplied to you in your owner's packet.

Pilot's Berth



08/13/2020



Access to the Electric Marine Head holding tank, hold tank's overboard discharge seacock and the optional A/C coolant water intake seacock.

Electronics Hatches & Description



08/13/2020



Outer hatches allow easy access to your battery switches, circuit breakers and NMEA backbone for your electronics as well as the outboard engine's buss bar.

Second set of hatches allows easy access to your built-in battery charger and radio AMP if equipped, as well as the lower backside of the dash for maintenance and or servicing.





Step-by-Step Cleaning Instructions

Type of Stain	Steps:	1	2	3
General Care		A	B	
Dirt Build-Up		A	B	
Ballpoint Ink*		E	B	A
Chewing Gum		D	A	
Coffee, Tea, Chocolate		B		
Grease		D	B	
Household Soil		A	B	
Ketchup		A	B	
Latex Paint		A	B	
Lipstick		A	B	
Mildew or Wet Leaves*		C	B	A
Motor Oil		B		
Oil-Based Paint		D	B	
Permanent Marker*		E	B	C
Spray Paint		B		
Suntan Lotion		A	B	
Tar / Asphalt		D	B	
Yellow Mustard		A	B	C

Legend

A. Medium-Soft brush, warm soapy water, Rinse / Dry

B. Vinyl Finish Vinyl Cleaner®, Rinse / Dry

C. One (1) table-spoon of ammonia; one-fourth (1/4) cup of Hydrogen Peroxide, three-fourth (3/4) cup of water, Rinse / Dry

D. Wipe or scrape off excess (chill gum with ice before hand)

E. Hemisphere Ink Remover, Rinse / Dry

Failure to care for your vinyl properly, or use of improper cleaners may void your warranty & damage your vinyl.

Do's & Don'ts

Do's

- Vinyl Finish Vinyl Cleaner
- Dish Soap (Dawn, Ivory)
- Fantastik
- 303 Aerospace Protectant

Don'ts

- Formula 409
- Murphy's Oil Soap
- Simple Green
- Armor All
- Son-of-a-Gun
- Turtle Wax / Tar Remover

All cleaning methods must be followed by a thorough rinse with clean warm water.

Certain household cleaners, powdered abrasives, steel wool, and industrial cleaners can cause damage and discoloration and are not recommended. Dry cleaning fluids and lacquer solvents should not be used as they will remove printed pattern and gloss. Waxes should be used with caution as many contain dyes or solvents that can permanently damage the protective coating. *Suntan lotion, tree pollen, wet leaves, and some other products can contain dyes that stain permanently.

***Always Remove Stains Immediately!**

Caring for Aluminum Cosmetic Corrosion (Pitting)



08/13/2020

The information provided is designed to give you a thorough understanding of the factors that can impact the appearance of your anodized aluminum. By using this information, we hope to help you enhance the beauty and value of our products.

What Causes It?

Corrosion is a natural phenomenon that affects metals by either a chemical or electrochemical reaction. The rate at which aluminum corrodes depends greatly on the environmental conditions and

the amount of preventative maintenance performed. Our goal is to slow down or stop this natural phenomenon we call pitting (or corrosion).

Anodized Aluminum

The aluminum on your boat has been anodized. This creates a very hard protective seal on the surface of the aluminum to protect it as much as possible from pitting. When the anodized coating is broken and raw aluminum is exposed, corrosion will take place. Damage from

other abrasive impacts can break the anodized coating.

Chemical Attack

Corrosive chemicals containing high concentrations of acids or alkalis will remove the anodized coating. Solutions containing chlorine, salts, or ammonia are all harmful to the anodized aluminum on your boat. Many common household cleaners contain chemicals that will remove the anodizing and cause pitting.

Available	Unavoidable
Strong acidic solutions found in cleaners, paint remover, degreasers, etc.	Airborne pollution. Airborne particles from local sources: vehicles, incinerators, paper mills, chemical plants, power plants, etc.
Concentrated alkaline based solutions. Many concentrated soaps fall into this category.	Harsh chemicals from work performed at local shipyards and dry docks.
Chlorine, sulfurs, solvents and ammonia based products.	Be aware of local sources that can expose your new boat to corrosive chemicals.



Tips

Avoid the use of bleach or chlorides to clean the aluminum or nearby components. Chlorides can leach onto the aluminum when used nearby.

Avoid abrasive cleaning products. Never use steel or brass wool, wire brushes, polishing wheels, rubbing or polishing compounds. These items will remove the anodizing and lead to pitting.



Protective Products

There are many different products available to protect aluminum. Some are designed to seal and protect before problems occur and others are designed to use after pitting has appeared.

While these products are effective, they are not one time solutions. Metal protectors must be reapplied on a regular basis. How often a protector should be used varies according to the protector you choose, the types of exposure your boat

is subjected to, and how often you use and wash your boat. Follow the application guidelines provided with the protector you choose.

Harmful Cleaners

Bleach (Chlorox, etc.)
Mild abrasive cleaners (Ajax, Comet, Soft Scrub, Rubbing Compounds, etc.)
Strong cleaners (409, Engine Degreasers, Bilge Cleaners, Teak Cleaners, Bottom Cleaners, etc.)

Below are some metal protection products that are readily available at marine retailers.

Woody Wax CPR	Woody Wax woody-wax.com 800-619-4363
Boeshield T-9	PMS Products, Inc. boeshield.com 800-962-1732
Premier Polish	Aquatech aquatech-marine.com 800-853-7760
Corrosion Block	Lear Chemical learchem.com 800-256-2548



The information provided is designed to give you a thorough understanding of the factors that can impact the appearance of your anodized aluminum. By using this information, we hope to help you enhance the beauty and value to our products.

What Makes Stainless Steel Stainless?

Oxygen is the key element in causing rust, or red oxide on steel and other metals. Stainless Steel contains Chromium which reacts with the oxygen in the air to form a chrome-oxide surface layer that is invisible to the eye, but strong enough to prevent further oxygen from “staining” (rusting) the surface. Higher levels of Chromium and the addition of other alloying elements such as nickel and molybdenum enhance this surface layer and improve the corrosion resistance of the stainless material.

What Determines Different Grades of Stainless Steel?

The grade of Stainless Steel is primarily determined by the amount of the Chromium and Nickel alloys contained in the material. 304 and 316 are the prominent grades of Stainless Steel: 304 contains

1% Chromium and 8% Nickel, while 316 Contains 16% Chromium and 10% Nickel and 2% Molybdenum. The Molybdenum is added to help resist corrosion to chlorides (like sea water and de-icing salts).

Can Stainless Steel rust?

Not in the way steel rusts. Steel will discolor, bubble and flake from red oxide development. Stainless Steel may develop red spots, but this is usually due to Iron particles on the surface of the Stainless Steel. Any Iron particles must be removed and the Stainless Steel cleaned with a high concentration of citric acid or a commercial cleaner specifically designed for Stainless Steel.

Is Stainless Steel Green (Environmentally Friendly)?

Stainless Steel is highly sought after by recyclers and is 100% recyclable. New Stainless Steel typically has a recycled content of between 65% & 80% which makes it one of the highest average content recycled construction materials on the planet.

Will Stainless Steel Discolor?

Cleaners that are typically used with cement, grout and stone, etc., may contain Muriatic Acid. Stainless Steel is not resistant to Muriatic Acid. MURIATIC ACID SHOULD NOT BE USED IF STAINLESS STEEL IS PRESENT. It is not even necessary that the acid touch the Stainless Steel, just the “fumes” from it will cause a discoloration of the Stainless Steel. Other than this, Stainless Steel is usually very resistant to discoloring.

Regular cleaning with fresh water and a soft cloth will keep and protect your windshield, window, or hatch for years.

GLASS

Use commercially available glass cleaners or a mixture of fresh water and vinegar. Do not use abrasives, harsh chemicals, or metal scrapers. Regular cleaning will help assure clarity of the glass for safe boating.

PLASTIC TYPE WINDSHIELDS AND HATCHES

Never use glass cleaning solutions or dry cloth to clean Plexiglas. Never use acetone, benzene, carbon tetrachloride, or lacquer thinner. The only acceptable cleaners are a small amount of denatured alcohol, clean water, or a

commercially available plastic polisher specific for the purpose. Use a soft rag and wash off the plastic windshield first with lukewarm water to avoid scratching the surface.

WINDOW CHANNELS

Clean window channels with mild detergent only. Channels can be sprayed with silicon aerosol while sliding the glass back and forth.

STAINLESS STEEL

Polish with commercially available metal polishes. A boat or car wax periodically applied will offer extra protection against the elements.

PAINTED SURFACES

Clean with fresh water periodically. Touch up scratches and areas where

paint has chipped off with touch-up spray paint. Touch up kits are available from the factory. Boat top clips – never slide along windshield framework.

To change clip location, snap on and off the aluminum top track.

SIDE WING VENT ADJUSTERS

Use care when opening and closing vent. Do not force.

Never ground windshield with any electrical devices or appliances.

Never use the windshield as a mooring cleat for tying off to a dock, pier or another boat. Never use the windshield as a tie-off attachment for trailering purposes.



Your Boat's Gel Coat Finish

Congratulations! You are the proud owner of a new power or sail boat. You are also the owner of a new Integrity® gel coat finish on the hull and/or topside, and we would like you to be as proud of it as we are. That beautiful, shiny new color you love is the result of many years of gel coat research, testing and development.

But as proud as we are of the gel coat, no finish is totally impervious to chemicals and weathering. Imagine what a brand new car could look like if allowed to sit at a marina for years with no cover and no washing or waxing. With the same minimum maintenance you would ordinarily give your new automobile's finish, your boat's gel coat finish will retain its depth of color and gloss for years.

Overall Maintenance

Normal maintenance of your gel coated fiberglass boat is similar to the care you would give your automobile. Overall, automotive cleaners and waxes work fine, as well as the marine cleaners and waxes.

Note: Do not use caustic or highly alkaline (high pH) cleaners or those containing ammonia. These type of cleaners may darken white or off-white weathered gel coat surfaces. A chemical reaction producing staining occurs if these type of cleaners are used on weathered gel coat. However, the stain may be removed with a rubbing compound or by lightly sanding with 400 grit sandpaper followed by an application of rubbing compound and a thorough waxing.

Cleaning

We recommend general washing to avoid soil build-up and staining. The soil to your gel coat is the result of regular use and environmental pollutants such as soot and smog. Periodic cleaning with a mild detergent is necessary to remove normal deposits of soil.

Waxing

From constant exposure over time to our natural environment and undesired pollutants, the gel coat begins to lose its gloss. To restore your finish to the original gloss and color requires your special attention. After washing with a mild soap or detergent, give the surface a good

polishing with a self-cleaning marine or automotive wax. Waxing in the fall and spring is generally recommended to maintain and restore most of the original gloss. If the surface has not been maintained and has weathered badly, and if cleaning and waxing does not restore the finish satisfactorily, compounding will be required.

Compounding

Please see your marine dealer for advice. Polishing and compound (fine abrasive) or rubbing compound (coarser abrasive) is recommended for use on fiberglass boats to remove scratches, stains, or a severely weathered surface. Polishing or rubbing compound can be applied by hand or by pneumatic buffer. After the scratched, stained or weathered surface has been moved, it should be waxed to enhance the gloss and color while providing a seal to retard staining or new soil accumulation.

Discoloration Removal

Your marine dealer is best equipped and trained to do this work. If regular washing and waxing has been neglected, discoloration of the gel coated fiberglass surface may occur.

Discolored areas are very shallow in depth, literally right on the surface. The discoloration may be removed by gently wet-sanding the affected areas only by using 600 grit, wet or dry specially treated waterproof sandpaper. It's important to always sand in one direction, this includes the curves too. Use plenty of water to cool and clean the sandpaper and cut back on dust. After you are finished sanding, dry the areas and verify all the discoloration has been removed. If not, repeat the process.

After all the discoloration has been removed, the area will need to be buffed. Using an electrical or pneumatic buffer, buff at low speed (1750 rpm – 2250 rpm), this will restore the luster to the sanded surface. Using a generous amount of rubbing compound, apply it in a circular motion with a soft wool pad. When buffing has been completed, wash off the rubbing compound with clean water, and dry the surface.

To restore the gloss to the affected area, use a high-grade marine or automotive wax.

Repairs

During the life of your boat, some damage to the gel coat surface is unavoidable. We recommend repairs done by trained, experienced professionals at your local marine dealer.

Scratches

If the scratch is in the gel coat surface, not penetrating the fiberglass, use an automotive polishing compound and rub it out. Apply the compound by hand using a damp rag or by using a power buffer. The scratch may not entirely disappear, but it should be noticeably better.

Gouges and Chips

Our recommended patching procedure is to first clean the area needing repair with an acetone solvent to remove all traces of wax and oil. Next, thoroughly mix one tablespoon of "Patch Paste" with two or three drops of catalyst on a scrap piece of cardboard.

Apply the mixture to the pit, chip or gouge with a single-edge razor blade, matching the surface and contour of the area being

repaired. Apply slightly more mixture to avoid having to fill the damaged section a second time. Allow the patch to harden thoroughly for a minimum of two to three hours.

Using a fine grit "wet or dry" sandpaper on a sanding block, wet-sand the patch until it is level with the surrounding surface. Finish with a marine or automotive rubbing compound using the same approach as used for the scratches.

Refinishing

For a severely scratched or weathered fiberglass boat that is no longer restorable by using the previous methods, it may then be necessary to refinish it with two-pack-age or two-part aliphatic urethane enamel. This can be done very effectively, but it is recommended refinishing should only be done by experienced professionals.

