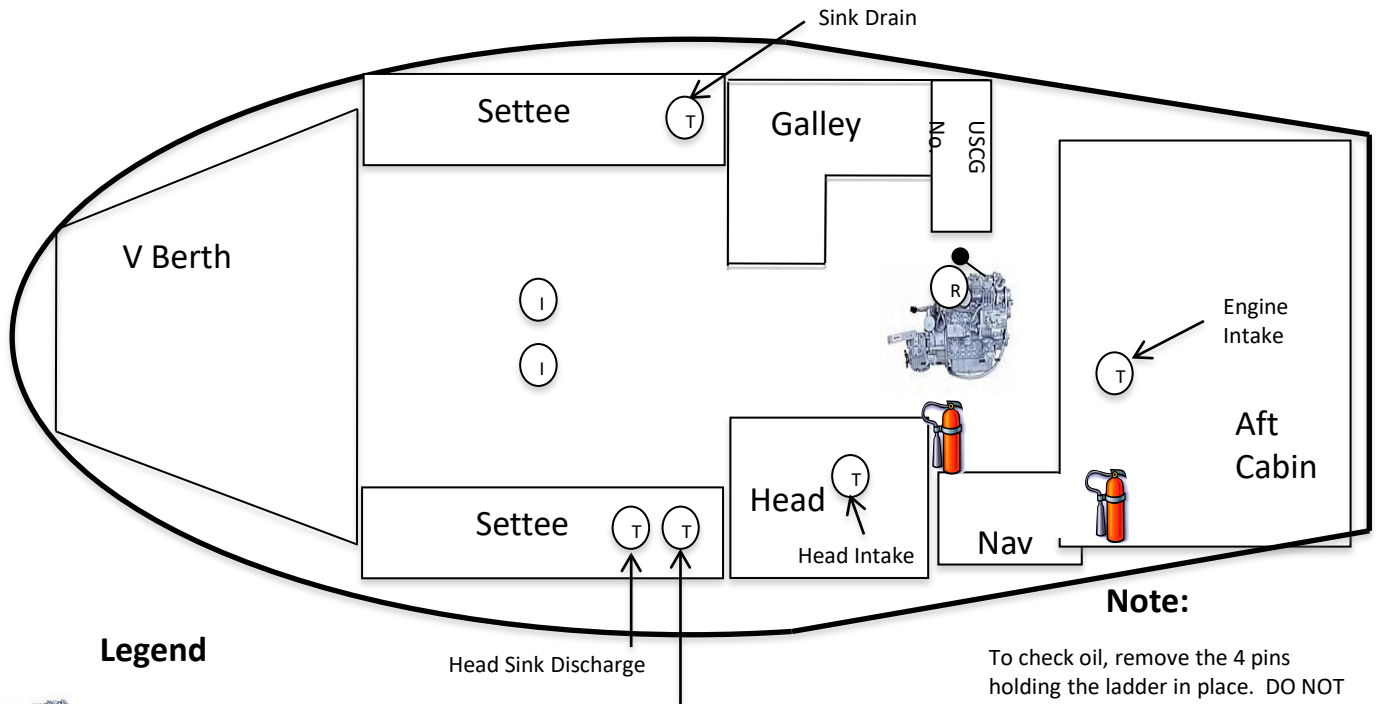









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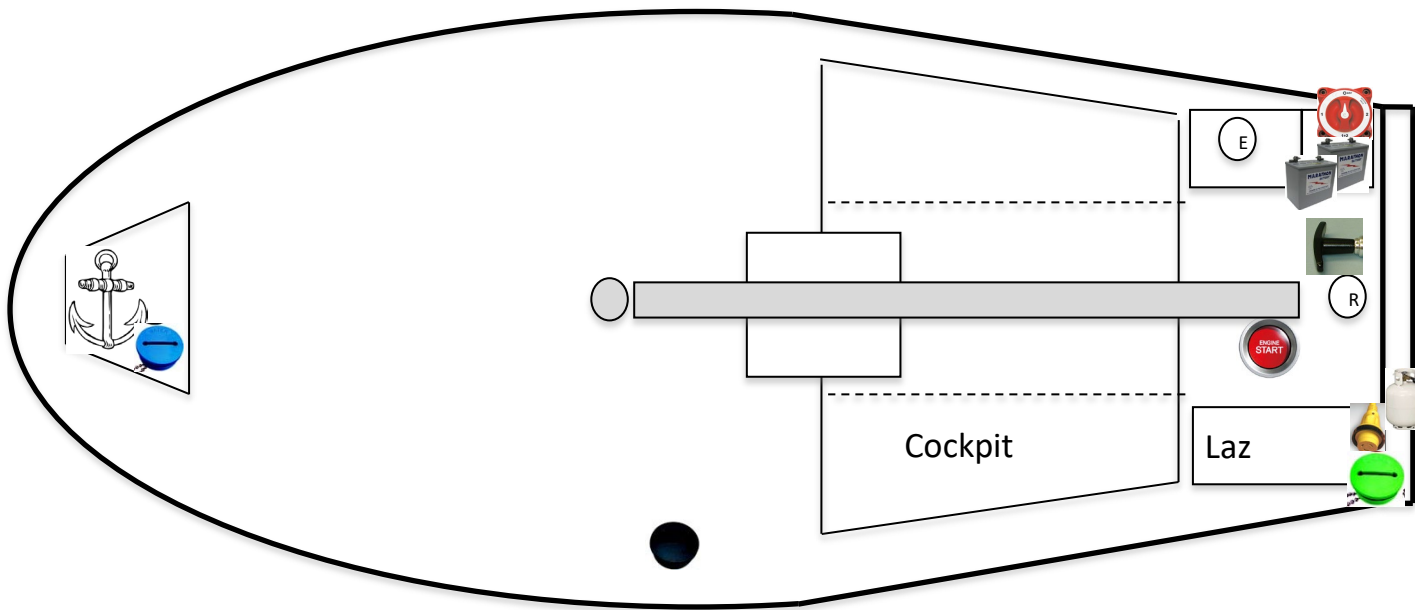
## Legend

-  Engine
  -  Oil Dipstick
  -  Instrument Thru Hulls
  -  Radiator Fill
  -  Thru Hull With Seacock
  -  Battery
  -  Fire Extinguisher
- Head Sink Discharge
- Macerator Discharge


## Note:

To check oil, remove the 4 pins holding the ladder in place. DO NOT REMOVE 2 PINS AT BASE OF MOTOR COVER. There is a bar at the back of motor cover. Push out of way. Grab handle at back of motor cover and rotate cover forward.

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## Legend


 R Rudderpost

 Deck Fill – Diesel

 Anchor


 AC Power cord

 E Emergency Tiller


 Deck Fill – Waste

 Engine Kill

 Propane / CNG

 Deck Fill – Water

 Battery Switch

 Engine Start

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Madeline deck and hull photos:



Madeline below deck photos:



Madeline AC/DC, nav station and battery switches photos:



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<p><b>Documentation</b></p>	<p>Madeline is a USCG documented vessel #1090153. The Official Number of found over navigation table (temporary – need to epoxy into boat elsware.)</p> <p>The Discharge of Oil placard is found to the port of the engine cover. The Garbage disposal placard is on the galley sink door.</p>
<p><b>Engine</b></p>	<p>Engine type: Yanmar 2GM20F  <b>Working RPM 2800</b> MAX RPM <b>3600 (Emergency Only)</b>                  2 blade fixed prop</p> <p>Engine hours are found on the tachometer located on the aft side of the binnacle, directly in front of the wheel.</p> <p>Access to the engine is achieved by removing the four pins holding the companionway ladder and removing the ladder. <b>DO NO REMOVE THE TWO PINS AT THE BASE OF THE ENGINE COVER.</b> There is a stainless steel bar at the back of the engine cover. Put it out of the way. Use the handle at the back of the engine cover to rotate the cover forward.</p> <p>The engine oil dipstick is found low on the left side of the engine as you face it.</p> <p>Coolant is checked by observing fluid level in the overflow tank. The tank is located at the front of the engine.</p> <p>There are two belts to check.</p>
<p><b>Fuel Gauge</b></p>	<p>The fuel tank gauge is located on the port side of the binnacle, below the key. Madeline holds 20 gallons of fuel when full.</p>
<p><b>Engine Start Up and Shut Down</b></p>	<p><b>Start Up</b>                  The key on port side of binnacle. The motor does not require preheating with glow plugs. Use 60% throttle for cold start.</p> <p>Engine hours are read from the tach of the aft side of binnacle in front of wheel.</p> <p>The fuel gauge is on the port side of binnacle below the starter key.</p> <p><b>Shut Down</b>                  The fuel shut off “T” handle is under helm seat on starboard side of the exit to the swim step.</p>

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<p><b>Electrical System</b></p>	<p><b>AC</b></p> <ul style="list-style-type: none"> <li>• A 30 amp AC plug enters the boat at the transom to port.</li> <li>• The AC panel is located above the lockers in the aft stateroom.</li> <li>• Green dots are found on the follow switches, which <b>MUST</b> be left in the on position when the boat is secured.             <ul style="list-style-type: none"> <li>○ AC MAIN</li> <li>○ OUTLETS</li> <li>○ CHARGER</li> </ul> </li> </ul> <p><b>DC</b></p> <ul style="list-style-type: none"> <li>• There are two batteries on the boat; both are located in the starboard, aft cockpit lazarette.</li> <li>• The primary 1/2/BOTH selector switch is located near the batteries in the starboard, aft cockpit lazarette. Select bank 1 on odd numbered calendar days, and bank 2 on even numbered day.</li> <li>• <b>Warning: There is no separate starter battery. Selecting BOTH and running the house system can drain all batteries, resulting in an inability to start the motor.</b></li> <li>• The Main DC breaker is located on the DC Panel.</li> </ul>
<p><b>Thru Hulls</b></p>	<p>There are seven thru hulls in Madeline. Five of which have sea cocks.</p> <p>There are two instrument thru hulls located in the main cabin, approximately even with the mast step post.</p> <p>Thru hulls with sea cocks are found in the following location.</p> <ul style="list-style-type: none"> <li>• The galley sink drain is found under the settee on the starboard side.</li> <li>• The Macerator discharge and head sink discharge are under the settee on the port side.</li> <li>• The head intake is located in the head and is readily visible in front of the head. As always on Tradewinds boats, it is recommended that fresh water from the water tanks is used to operate the head.</li> <li>• The raw water intake is found under the mattress in the aft stateroom, directly aft of the motor compartment.</li> </ul>
<p><b>Head(s)</b></p>	<p>Madeline is set up with a single manual head, with a holding tank. There is no option to discharge directly overboard from the head. Waste must go from the head into the holding tank, where is may be pumped out, or discharged (where legally allowed) overboard via a macerator/thru hull located under the port settee.</p>
<p><b>Fresh Water System</b></p>	<p>There is one 50 gallon fresh water tank located forward. The fresh water fill is found in the anchor locker.</p>

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<p><b>Anchor and Ground Tackle</b></p>	<p><b>Primary Anchor</b> A 20 lb Delta/plow style primary anchor, with a combination chair/nylon rode is mounted in a bow roller.</p> <p><b>Secondary Anchor</b> A 20 lb Danforth style secondary anchor, with a combination chair/nylon rode is located in the Stbd swim step lazarette</p> <p><b>Kellet/Sentinel</b> A kellet with sentinel is stowed in the port/aft lazarette.</p> <p><b>Windlass</b> There is no windlass</p> <p><b>Fenders are stowed in the starboard lazarette.</b></p>
<p><b>Draft / keel type</b></p>	<p>Madeline draws 3.4', and has a shoal draft fin with bulb keel.</p>
<p><b>Refrigeration</b></p>	<p>Madeline is outfitted with a refrigerator – lift the top of the navigation table. There is a switch on the DC Panel that says refrigerator</p>
<p><b>Stove</b></p> <p><b>Note: The auto ignition does not work. Use a lighter to light the burners.</b></p>	<p>Madeline has a two burner propane stove, with an integrated oven.</p> <p>The propane tank is found in the port locker on the swim step.</p> <p>After turning on the propane at the tank, there are two propane switches, both of which must be on for the gas to flow. The switches are found on the DC Panel and on the face of the cabinet next to the stove.</p>
<p><b>Microwave</b></p>	<p>The microwave is located over the stove, and may only be used while hooked up to shore power.</p>
<p><b>Barbeque</b></p>	<p>There is no Barbeque on board.</p>



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<b>Running Rigging</b>	<p><b>Mainsail</b> The mainsail flakes into a stack pack outfitted with lazy jacks.</p> <p>There are 2 reefs available on the mainsail.</p> <p>There are two 3 clutch packages found to port and starboard of companionway entrance. The starboard clutch package contains the main halyard, main sheet, and reef two. The port side clutch package contains line controlling the jib halyard, reef one, and boom vang.</p> <p>While flaking the mainsail into the stack pack move the traveler to the side to allow access to the sail. <b>DO NOT STAND ON THE COCKPIT CENTER STATION!</b> The traveler lines are found on each side of the “arch.”</p> <p><b>When leaving the boat please leave lines hand tight only (main sheet/vang/topping lift)</b></p> <p><b>Jib</b> Madeline has a 90% roller furling jib. Jib sheets route to winches on the cabin top.</p>
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