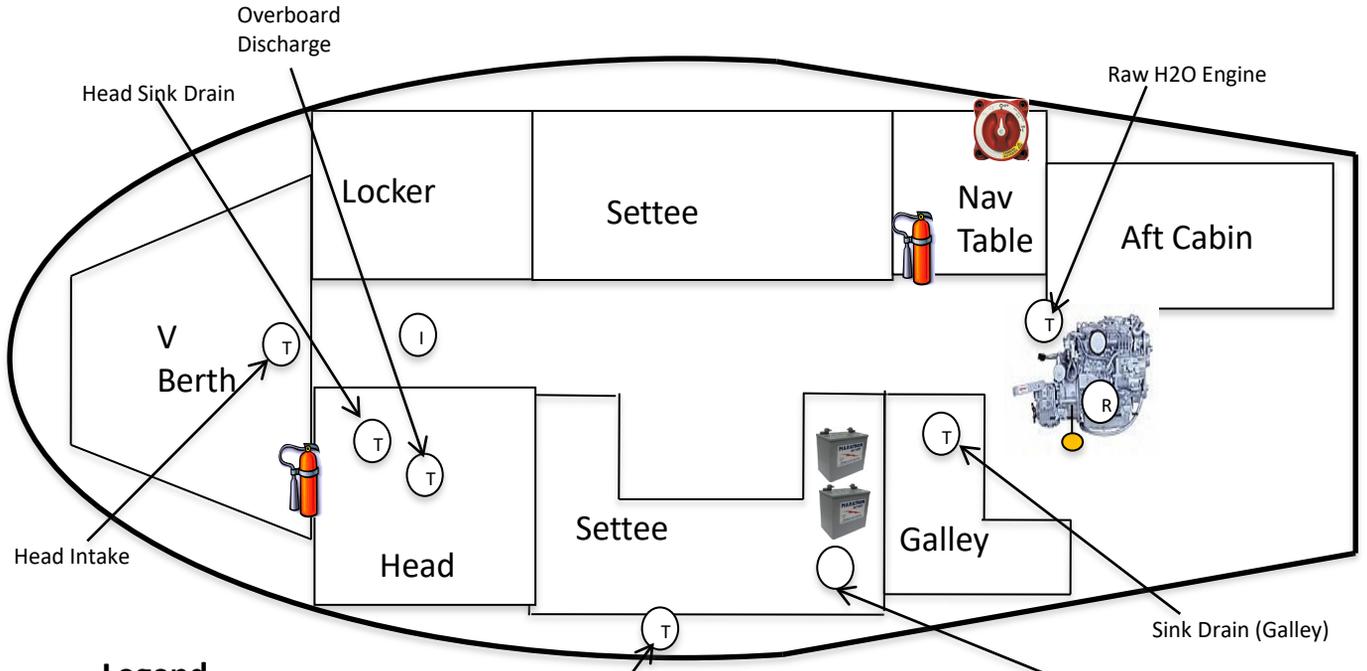


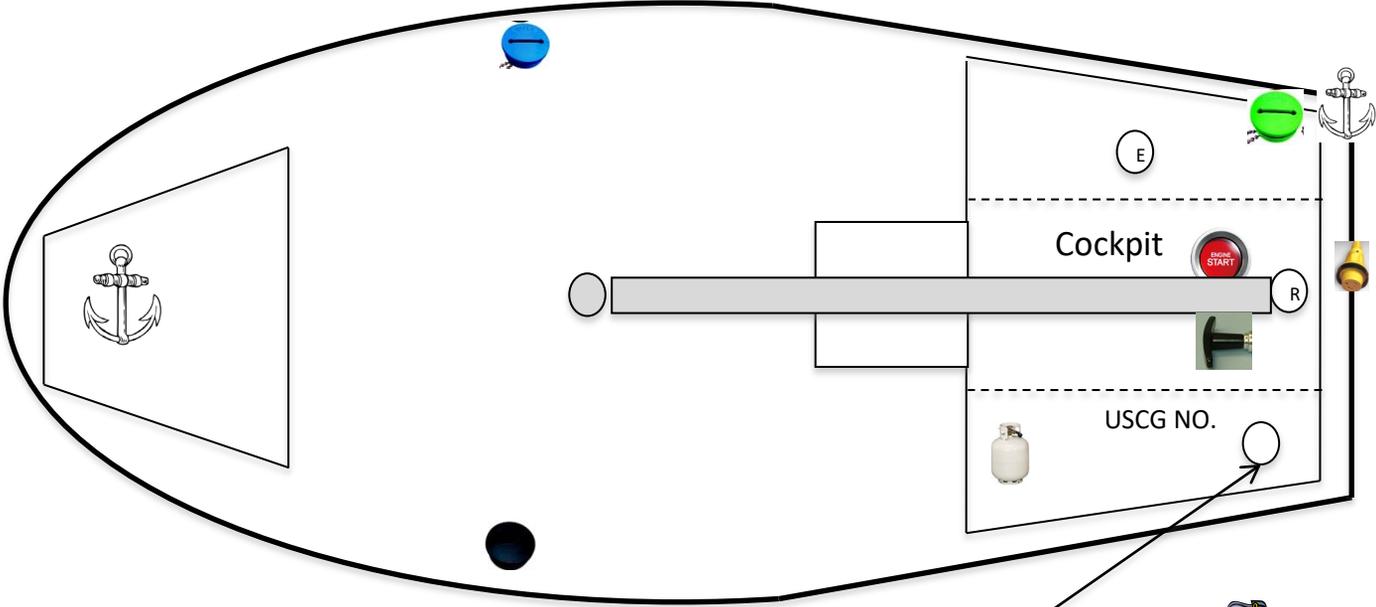
3801 *Black Pearl* Catalina 38



Legend

-  Engine
-  Oil Dipstick
-  Emergency Tiller
-  Battery Switch
-  (R) Radiator Fill
-  (T) Thru Hull With Seacock
-  Battery
-  (I) Instrument Thru Hulls
-  Fire Extinguisher

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Legend

- | | | | |
|--|---|--|---|
|  R Rudderpost |  AC Power cord |  Anchor |  Fire Extinguisher |
|  Deck Fill - Diesel |  Deck Fill - Waste |  Engine Kill | |
|  Deck Fill - Water |  CNG Tank |  Engine Start |  |

Manual Bilge Pump

Tradewinds Sailing School & Club
 More Experience. More Time on the Water. More Fun.

Black Pearl deck and hull photos:



Black Pearl below deck photos:



Black Pearl AC/DC panel, nav table:



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USCG Official Number

Black Pearl is a USCG Documented vessel. The Official Number is 1166434. The official number is permanently affixed to the side of the cockpit wall, in the port lazarette.

The Oil Discharge placard is affixed next to the companionway ladder.

Thru-Hulls

There is an instrument thru-hull are located in the bilge, directly in front of the door into the head

There are **six thru-hulls with sea cocks**

- The head intake is under the v-berth, and can be accessed by lifting the mattress or by opening a hatch located near the floor
- The head sink drain and the direct overboard discharge from the head are in the cabinet under the head sink. There is a “Y” valve on the front of the cabinet that directs waste into the holding tank or overboard
- The thru hull for the macerator discharge from the holding tank is under the port settee
- The galley sink drain is under the galley sink
- The engine intake is to starboard of the engine (the left as you face the engine) and is seen thru the hatch under the companionway ladder

The stuffing box can be viewed thru the hatch into the engine compartment that is found several feet back into the aft quarter berth.

There are two manual bilge pumps. One located to port in the cockpit near the dashboard. The other is under the port settee.

Head(s)

Black Pearl has one standard manual operation marine head, located forward to port. The head intake is located under the v-berth mattress.

The holding tank is pumped out via a deck fitting located amidships to port.

A “Y” valve mounted on the cabinet under the head sink directs waste into either the holding tank, or overboard via a thru hull located under the sink. Do not change the direction of flow for the “Y” valve.

Fresh Water System

There is one fresh water tank on Black Pearl. The fresh water fill is amidships to starboard.

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Engine	<p>Engine access is obtained by removing the steps. The top step can be opened by removing the four screws in the top. These screws are not “screwed” down, and can be lifted up by hand. The wooden step can then be taken off.</p> <ul style="list-style-type: none">• The dipstick is located on the port side of the engine (to the right as you face it).• The coolant reservoir on Black Pearl is located to port, near the front of the motor.• The header tank pressure cap can be seen midway back on the port side.
Fuel	<p>Diesel fuel deck fitting is located to starboard, near the transom.</p> <p>The fuel tank gauge is part of the “dashboard” on the port side of the cockpit. The Engine DC switch must be on, and the key turned to the run position to view the fuel level.</p>
Stove	<p>Black Pearl is outfitted with a 3 burner stove that operates on compressed natural gas (CNG).</p> <p>The CNG tank is in the port cockpit lazarette.</p> <p>CNG does not require a solenoid switch.</p>
Electrical System	<p>AC</p> <ul style="list-style-type: none">• A 30 amp AC plug enters the boat on the starboard side, several feet forward of the transom• The Main AC breaker is located on the AC panel (above the navigation station). Leave it in the on position when securing the boat• Leave the Battery charger and Outlet breakers on as well. <p>DC</p> <ul style="list-style-type: none">• There are two battery banks, on the boat.<ul style="list-style-type: none">○ A OFF/ON/Combine battery selector switch below and to the aft of the navigation station. For normal operation turn to ON position. Only use the Combine if starter battery will not start engine.
Anchor and Ground Tackle	<p>Primary and Secondary Anchors</p> <ul style="list-style-type: none">• The primary anchor, with a combination chain/nylon rode, is located in the anchor locker at the bow.• The secondary anchor is stowed on the starboard stern pulpit <p>Kellet & Sentinal</p> <ul style="list-style-type: none">• Located in aft lazarette.

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Running Rigging

Black Pearl is fitted with a flaked main with a Stack Pack cover.

- The main halyard and main sheet both run through a clutch on the starboard side of the companionway.
- Main has two reefs that are single line adjusted from the cockpit.

Black Pearl has a roller furled jib.

Engine Start Up and Shut Down

Start Up

- The ignition key is part of the dashboard located on the port side of the cockpit.
- Black Pearl requires the motor to preheat using a glow plug prior to starting. To activate the glow plugs, turn the ignition key clockwise "past the spring" as far as it will go. Hold the key in the pre-heat position for 30 full seconds prior to starting
- The throttle should be push forward to $\frac{1}{4}$ to $\frac{1}{2}$ throttle allow fuel flow during starting. Once started, throttle back to an idle. SEE NOTE BELOW
- Push the start button to engage the starter

Shut Down

- The throttle is also the fuel shutoff. To shut down, throttle all the way down

NOTE: The throttle and fuel shut off are the same. Throttling all the way back will result in the motor dying ... often times at the worst moment ... such as backing out of a slip. If the motor dies, just reach down and push the start button. The motor will immediately restart.

Fuel Gauge and Engine Hours

Both fuel and engine hours a checked at the dashboard, located on the port side of the cockpit. The engine hour gauge is part of the tachometer.

Steering

Emergency tiller is located in the aft lazarette. You must remove wheel for the emergency tiller to work.

Draft

6' 9"