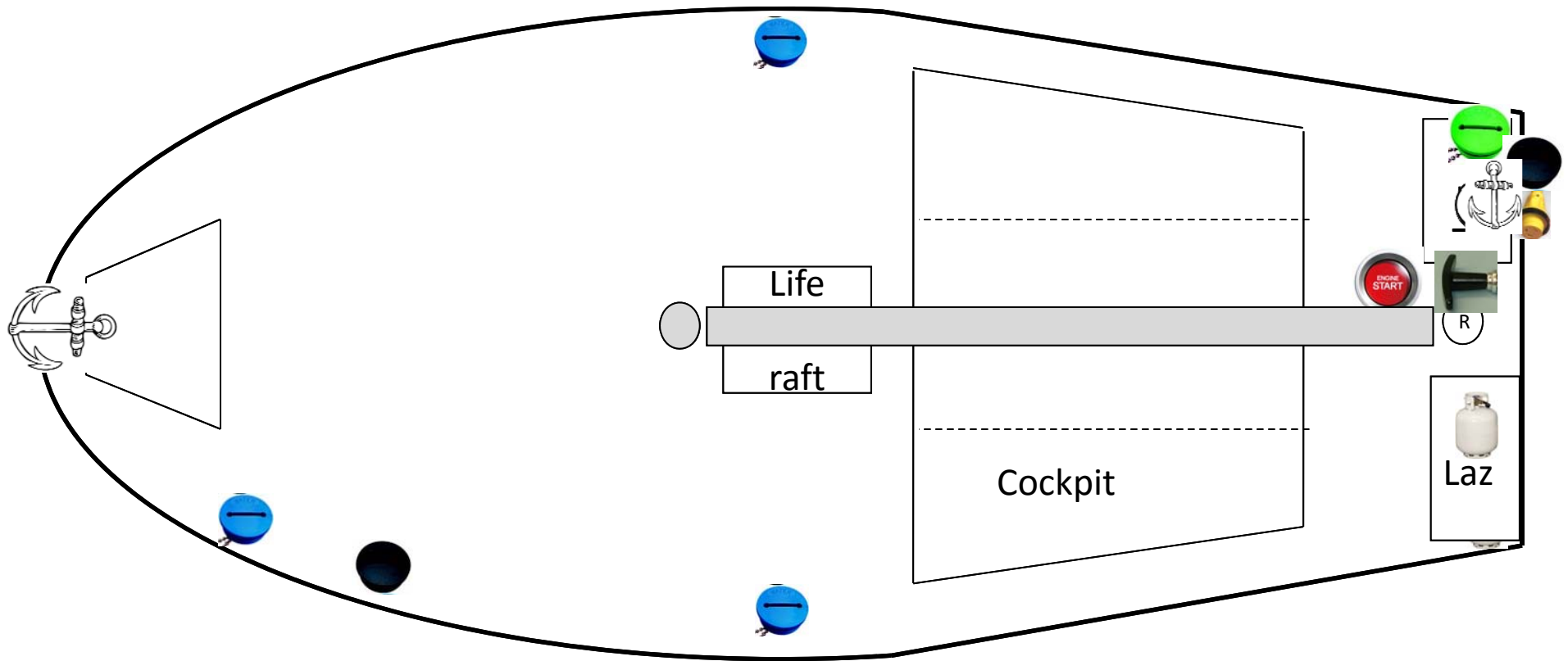




# 4206 – *Libertine* Catalina 42





## Legend


(R) Rudderpost

 AC Power cord


 Anchor


 Deck Fill – Diesel

 Deck Fill – Waste

 Engine Kill

 Deck Fill – Water

 Propane / CNG

 Engine Start

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## USCG Official Number

Libertine is a USCG documented vessel, bearing the Official Number 1025298. The Official Number is permanently affixed to the inside hull under the starboard salon settee.

The Oil and Garbage discharge placards are located at the top of the companionway ladder. The waste disposal plan is in the boat binder.

## Thru-Hulls

There are ten thru hulls fitted with operating seacocks.

- 3 are under the mattress in the Pullman berth. Access is gained via a hatch on the side of the bed support, or thru a hatch under the mattress.
  - Forward head shower drain
  - Forward head intake
  - Macerator Outlet
- The forward head sink drain is in the cabinet across from the Pullman berth.
- Five thru hulls are located under the floorboard in main salon, just forward of companionway ladder
  - Head intake
  - Head sink drain
  - Galley sink drain
  - Seawater intake for galley sink
  - Icebox and shower drain
- Engine raw water intake is accessed via the port engine access panel
  - **LEAVE OPEN at all times.**

## Head(s)

Libertine has two manual flush heads, one located forward of the Pullman berth, and one located amidships to port. Each head has a shower. The fresh water pump must be on to use either shower.

### Forward head shower:

- Has a dedicated shower wand
- Open the Shower Drain thru hull under the Pullman berth
- Press the shower sump switch located in the shower (make sure the DC panel SHOWER DISCHARGE switch is also on.)

### Aft head shower:

- The shower wand is part of the sink faucet
- The shower drain thru hull is at the base of the companionway ladder. The same thru hull drains the aft shower and the ice boxes. **Only one may be drained at a time.** There is a manifold just aft of the thru hulls with red gate valves.
- To drain the shower, close both ice box drains valves
- Open the ice box/shower drain thru hull
- Activate the shower sump switch in the aft head (make sure the DC panel SHOWER DISCHARGE switch is also on.)

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## Fresh Water System

### Tanks and locations

- There are three fresh water tanks. Fills are located
  - Amidships to starboard
  - Amidships to port
  - Near the anchor locker to port
- The water tank manifold is at the base of the companionway ladder, just forward of the thru hulls. Only one tank should be in use at a time.

## Engine

### Engine access is obtained by tilting the companionway steps forward

- The dipstick is located to the left as you face the motor.
- The coolant reservoir and pressure cap for the heat exchanger is to the right.
- The stuffing box can be seen by looking thru the engine room hatch on the port side of the engine room
- There is an engine room light mounted over the motor. The switch to turn the light on is a pull knob located in the engine room directly behind the top step. The “PORT CABIN LIGHTS” switch on the AC/DC panel must be on for the light to work.

## Fuel

### Tanks and locations

Libertine has one diesel fuel tank.

- Diesel fuel deck fittings is located
  - Starboard, near the transom
- The fuel tank gauge is located on the panel on the aft side of the binnacle. The main DC switch must be on, and the key turned to the run position to energize the gauge

## Galley Table

The galley table converts to a double berth. There is a clamp at the base of the table leg. Loosen the clamp and push the table straight down.

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|                      |  |
|----------------------|--|
| <b>Stove</b>         | <p>Libertine has a gimbaled three burner stove/oven in the galley.</p> <ul style="list-style-type: none"><li>• The propane tank is in a coaming locker on the port side, near the transom.</li><li>• The LPG SOLENOID switch (red in color) is located on the DC electrical panel above the navigation station. The switch light red when the circuit is energized</li><li>• To light the stove top burners, turn the propane on and activate the LPG solenoid. Push the burner knob in and turn to the IGN position. While holding the knob in, press the igniter button on the left side of the stove face plate until the burner lights. Hold the knob in for 10 to 15 seconds after lighting to allow the thermocouple to heat up.</li><li>• To light the oven. Light the right front burner. Allow it to burn 1 minute to purge the system of air. Turn the oven thermostat knob to the Pilot position. Hold in the red oven safety button (right side of stove face plate). Hold a match or lighter to the pilot light on the right side of oven, under the “floor plate”. Once the pilot is lit, continue holding the safety button in while the thermocouple heats up. Once the pilot will stay lit, turn the oven thermostat to the desired heat setting.</li></ul> |
| <b>Microwave</b>     | <p>Libertine is equipped with a microwave for use while connected to shore power.</p>  |
| <b>Refrigeration</b> | <p>There is one refrigerator (with a freezer box) and one “ice box” on Libertine. Electrical power for the refrigeration unit is activated by switch located on the DC Panel.</p>  |
| <b>Barbeque</b>      | <p>Libertine is equipped with a Barbeque, mounted on the port stern pulpit. A standard “Colman” style propane bottle is required for operation. Propane for the barbeque is not generally kept on board the boat.</p>  |

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## Electrical System

### AC

- A 30 amp AC plug enters the boat at the transom.
- The Main AC breaker is located in the starboard transom lazarette.
- The AC panel is located above the navigation station, on the right side of the electrical panel.
- Green dots are found on the following switches/buttons, which **MUST** be left in the on position when the boat is secured.
  - AC MASTER 30 AMP BREAKER
- In order to run any AC (plug in) equipment (heaters, phone chargers, etc.) one or both of the following buttons must be in the on position.
  - STBD OUTLETS
  - PORT OUTLETS
- The charger/inverter controller is located over the door leading into the aft port storage area.
  - A green dot is found on the Charger control. That light (and generally the column of lights above it) should be lit when the boat is secured

### DC

- The main battery selector switch is located aft of the galley in the port storage area. This switch is marked with a green dot, and should be left in the one position.

### Inverter

To use AC appliances while not connected to shore power requires the use of the inverter. In charger/inverter control is above the port storage area door.

- The Inverter button may be pressed, activating the inverter. A green light indicates the inverter is active. **Care must be exercised while using the inverter. It is very easy to deplete the battery.**

## Instruments

The All Instruments switch energizes the Auto Pilot, Depth, Speed, and Wind gauges.

The Helm VHF switch activates the VHF at the helm.

The Chart Plotter switch turns on the Chart Plotter

### Standard Horizon CPV350

- The Standard Horizon CPV350 mounted on the cabin top is a combination VHF and Chart Plotter.
- It is turned on using the VHF Cabin Top switch Chart Plotter and the Chart Plotter switch in unison

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## Anchor and Ground Tackle

### Primary and Secondary Anchors

- The primary anchor is located in a bow roller and feeds into an anchor locker located at the bow.
- The windlass breaker is located under the navigation station
- Windlass use
  - The anchor is deployed manually, with the assist of the windlass. Speed of deployment is controlled by using a “break bar”, found attached to a lanyard in the anchor locker.
  - A foot operated electrical switch is used to retrieve the anchor.
  - The windless switch and breaker are located under the navigation station
- The secondary anchor is hanging from the starboard side of the stern pulpit. The secondary anchor is deployed and retrieved manually.

## Running Rigging

Libertine has a flaked mainsail, and a roller furling jib.

The running rigging is routed through two clutch assemblies located under the dodger on the cabin top. One to each side of the companionway. Lines found in these clutches are:

- Port clutch package
  - Second Reef
  - Boom Vang
  - Main Sheet
- Starboard clutch package
  - First Reef
  - Main Halyard

The starboard winch on the cabin top is electric to assist in hoisting the mainsail.

- **Great care must be exercised while using the electric winch. Watch for binding, and listen for sounds that the winch is straining. Failure to do so will result in broken rigging components and lines.**
- The breaker for the electric winch is to the left of the companionway ladder as you face it.

## Engine Start Up and Shut Down

### Key location

- The key is located on the aft side of the binnacle
- Turn the key clockwise to the run position then press start
- Allow the motor to warm up completely at 800 to 1000 RPM prior to “going” anywhere.

### Shut down

- Pull the fuel shut off “T” handle under the helm seat to starboard

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### **Fuel Gauge and Engine Hours**

The fuel gauge and engine hours are both found on the dashboard mounted on the aft side of the binnacle.