



AVENTURA SAILING

Lady Diane

Boat Manual



BOAT CODE

C32

SLIP

B32

DO NOT SAIL IN REVERSE

*At the End of Your Charter
Please Leave Battery Switch on "OFF"*

MAXIMUM CAPACITY: 8 PASSENGERS

Violation Will Result In Suspension of Members Certification and Charter Privileges

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Aventura Chartering

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Boat Manual		Make	1994 Catalina
		Documentation No.	1022911
Name	Lady Diane	Length	32 Feet
		Beam	11'- 9"
Code	C32	Draft	4'-3"
Use this information along with the Discrepancy Report and the Basic Course Syllabus			

Engine Yanmar 3 Cylinder Diesel	
Location/Access	Under companionway steps. Lift stairs and secure. Unlatch cover (Port side of cover); lift cover up and towards you.
Engine Cockpit Control Panel	On helm: Ignition, start button and hour meter below tachometer.
Battery Switch Never turn any battery switch off while engine is running!	On electrical panel (Port).
Engine Hour Meter	Engine control panel on helm. Digital hour meter below tachometer.
Fuel Gauge	Engine control panel on helm.
Ignition/Start	Small silver key with start button.
Glow Plug	No Glow Plug. Yanmar engine.
Throttle	Starboard side of the Helm/Pedestal.
Shift Shift at idle speeds only!	Port side of the Helm/Pedestal. In reverse, prop-walk is to port.
Engine Starting Warning! Never turn the battery switch to "OFF" while the engine is running!	<ol style="list-style-type: none"> 1. Deactivate and disconnect shore power. Turn Battery Switch to "Both/All". 2. Make sure shift is in neutral, throttle 50%, ignition on, engine stop handle in completely. 3. Push start button. If engine does not start within 5 sec., recheck that steps were performed exactly and retry. 4. Check the engine exhaust at the bottom of the transom to see that water is being exhausted out. Warm up for 15 minutes. 5. Before dropping dock lines run through shifting and throttle advance until comfortable.
Stop Engine	Push STOP button.
Dipstick Check oil only if necessary.	Starboard side of engine, lift stairs and secure. Unlatch cover (Port side of cover); lift cover up and towards you.

Electrical

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Electrical Panel	<p>Starboard, above the Nav station chart table with breaker switches labeled for each system.</p> <p>AC Main Switches: Located on the Electrical Panel above the navigation station table (Port) and in the Stern Lazarette (Port) for 120V shore power.</p>
<p>Battery Switch</p> <p>Never turn any battery switch off while engine is running! At the end of charter, leave battery switch on "BOTH"!</p>	<p>On electrical panel (Port).</p> <ul style="list-style-type: none"> • Unplug dehumidifier to save battery power. • Plug dehumidifier back in when done with boat.
<p>Inverter and Battery Charging</p> <p>Both batteries require 2 to 4 hours to recharge when charge levels are low. Monitor battery levels frequently! (SEE: "Monitoring Batteries")</p> <p>At the end of charter, leave battery switch on "BOTH"!</p>	<p>This boat is equipped with an Inverter/charger. When on shore power it operates as a charger, when off shore power it operates as an inverter to give AC power. The system is designed to switch according to the shore power status.</p> <p>There are 2 methods for charging the batteries on board.</p> <p>Shore Power:</p> <ol style="list-style-type: none"> 1. Plug in Shore Power cord at the receptacle on the port side of the aft cockpit. Make sure it's plugged in and the AC breaker switch is "ON" at the Dock Box. 2. On the AC power panel toggle on the "Master Breaker". 3. Toggle on the "Battery Charger" breaker. Red lights next to these breakers should be lit. <p>Charging Batteries with Engine:</p> <ol style="list-style-type: none"> 1. Turn Battery Switch switch to "BOTH". 2. Start the engine. Let the engine run until it has "warmed up". 3. Adjust the "Throttle" lever until the tachometer is between 1500 and 1800 rpm.
<p>Monitoring Batteries</p> <p>Monitor battery levels frequently when using 12 volt services!</p> <p>After charter: leave battery switch on "OFF" and "battery charger" toggle "ON".</p>	<p>Method for Monitoring Battery Level:</p> <p>The Battery Inverter/Charger is located under the Nav station, mounted on the outboard bulkhead. A BLUE light on the face of the charger should be ON. The Charger has a "Trickle" charge for the batteries when needed.</p>
Battery Location	<p>3 Deep Cycle Marine Batteries: 2 "House" batteries under the starboard settee bench, aft end. 1 "Engine/Start" battery under the quarter berth, Inboard.</p>
Pedestal Cluster Instruments	<p>To activate the pedestal cluster instruments:</p> <ol style="list-style-type: none"> 1. Turn on the "House Batteries" switch. 2. On the electrical control panel toggle on the "Electronics" breaker. 3. Turn on each instrument at the helm

Electronics

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Autohelm Control Panel	<p>Located in the cockpit helm Navpod.</p> <p>To Use:</p> <ol style="list-style-type: none"> 1. In Main Cabin: Turn "AUTOPILOT switch to "on" position at the control panel (Port 2. In Cockpit: Push 'STANDBY' at Autohelm control panel. 3. At Helm: Engage wheel latch and push 'AUTO' to engage, to disengage push 'STANDBY', then release wheel latch. If it beeps -- switch to standby and then auto again. 4. Minor Course Corrections: Press +/- 1 degree or +/- 10 degree button.
GPS/Chart Plotter	<p>Located at the helm.</p> <p>Push light bulb symbol to turn on, allow time to sync (approx. 30 secs), use "Page" to page thru various displays. See separate equipment manual in Navigation Station for more information.</p>

Sails

Jib Do not release the jib halyard except in cases of emergency!	<p>Mounted on a roller furling. The take up line leads aft along the port rail and is cleated outside the cockpit. The halyard leads aft through a lock on the Port side of the companionway. Always leave furling line cleated when sail is rolled up.</p>
Main	<p>Main halyard and main sheet lead aft to the Starboard side of the companionway.</p>

Tankage

Water Tanks	<p>Total Capacity: 52 Gallons</p> <p>Tank 1 Tank located under the port settee. Fill fitting located outside the cockpit (Starboard, well aft)</p> <p>Tank 2 Tank located under V berth. Fill Fitting located on the Starboard deck just forward of the mast.</p>
Fuel Tank Do not leave fuel filler nozzle unattended when fueling!	<p>Location: Starboard/Stern under white ply-board.</p> <p>Fuel Fill Fitting: Located outside the cockpit aft.</p> <p>Capacity: 20 gallons</p>

Tankage Continued

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Holding Tank

Report on discrepancy report that zip-tie has been cut. Staff will install new tie.

Capacity: 20 Gallons

Location: Under the Aft section of the Starboard settee.

Pump-out Cap Location: On the port side, midship, outboard.

To Empty Holding Tank While Out at Sea:

1. Remove all cushions on starboard settee area.
2. Lift off board closest to head.
3. Locate, read, and understand the proper overboard valve.
4. Turn on macerator power at chart table.
5. Open value to discharge.
6. Push silver, labeled macerator switch. Unit should wind at medium pitch until done, and then go to a high pitch. Do not run motor continuously for more than 30 seconds.
7. Close value to discharge.
8. Turn off macerator power at chart table.

Head

Operation

Nothing goes in the bowl that has not been consumed first except marine toilet paper!

Make sure "Head Intake" valve is open. The valve is open if the handle is perpendicular to the hull.

1. On the right side of the bowl is the pump and handle.
2. On the front of the pump is a selector valve with "Dry & Flush" on its face.
3. Pump the handle to wet the bowl.
4. After use, pump the handle 8 to 10 to empty the bowl.
5. When bowl is empty, turn the selector to the "Dry" position and pump handle until the bowl is dry.

To Put Head on Overboard:

1. Open the large through hull accessed in the head forward of the water inlet through hull (parallel to the line is open).
2. Turn the valve just forward of the holding tank to overboard (large part of the handle points forward).
3. Return valve just forward of the holding tank to holding tank (large part of the handle points up).

General Notes

Stove

LPG (Propane), Tank and valves located under a hatch on top of the Cockpit (Port, aft). Turn tank and valve on and LP safety switch on the electrical panel to use.

Galley Sink

Outlet through hull is under cabinet

Head Sink

Outlet through hull is inside a small hatch (low) against the Head bulkhead in the Aft cabin.

Bilge Pump

Manual Bilge Pump: Located above the stern seat starboard.

Automatic Bilge Pump: Switch is located on the Electrical Control Panel.

Shower Sump Pump

Switch located on the sink cabinet (aft) and the DC switch on the electrical panel.

Hot Water Heater

Engine must be running to use.

Microwave

Runs on AC (inverter or shore power)

Windlass

INACTIVE

Lights

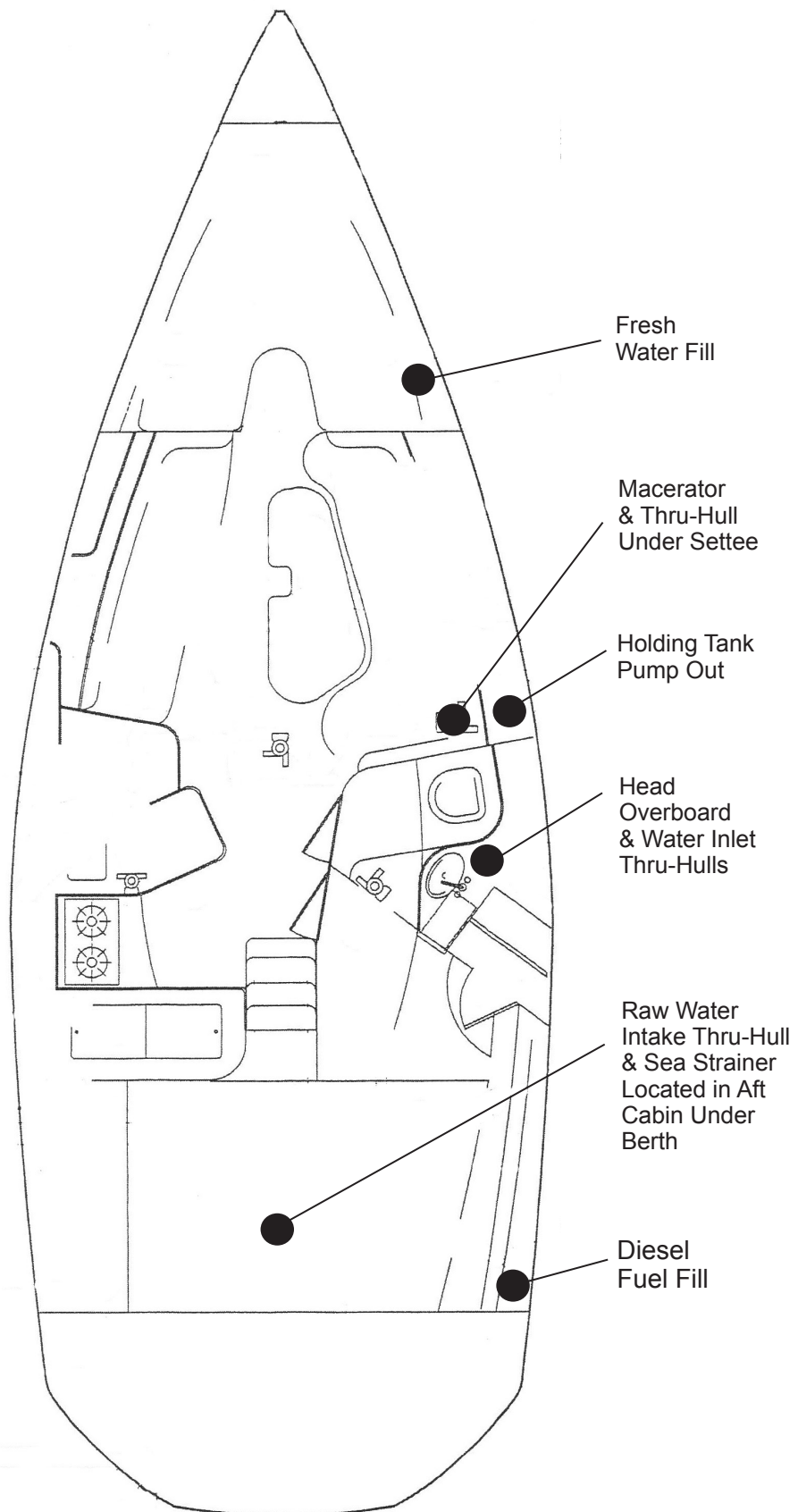
Cockpit: Flood light switch located on electrical panel labeled "Deck Light".

Interior: Switches located at control panel in cabin.

Deck Plate & Thru-Hull Locations

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Inventory

Item	Qty	Location
Air Horn	1	Boat Bag
Anchors	2	Bow Anchor in Bow Anchor Locker Stern Anchor in Port Lazarette
Bell	0	
Boat Hook	1	Companionway Entry, Starboard
Bilge Pump Handle	1	In Boat Bag
Canvas	4	Winch covers
	1	Helm
	3	Dodger Covers
	1	Mainsail Cover
Deck Key	1	Boat Bag
Emergency Tiller	1	Port Lazarette, Blue Bag
Fenders	4	2 port, 2 starboard
Fire Extinguishers	1	Companionway, Port
	1	Saloon, Port
	1	Port Lazarette
First Aid Kit	1	Salon Shelf - Starboard
Flashlights	1	Boat bag
Life Jackets	7	Adult Type 1- Port Lazarette
	1	Child - Port lazarette
Life Sling	1	Salon Cabinet, Starboard, Opposite Head
Radar Reflector	2	Salon, Port Settee
Signal Flares	4	Boat Bag
Tool Kit	1	Black canvass folder, Salon, forward.
VHF Radio Radar and GPS	1	Above chart table, port.
Winch Handles	2	Boat Bag