



AVENTURA SAILING

Me II Me II

Boat Manual



BOAT CODE

K30

SLIP

B31

SAIL IN REVERSE

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

MAXIMUM CAPACITY: 8 PASSENGERS

Violation Will Result In Suspension of Members Certification and Charter Privileges

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Aventura Chartering

Policy & Procedures	P1-P21
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Boat Manual		Make	1985 Catalina
		Documentation No.	12184453
Name	Me II Me II	Length	29'-11"
		Beam	10'-10"
Code	K30	Draft	5'-03"
Use this information along with the Discrepancy Report and the Basic Course Syllabus			

Engine Universal M25 3 Cylinder Diesel

Location/Access	Under aft settee bench seat and galley sink cabinet. Remove seat cushions and lift cover to expose engine.
Engine Cockpit Control Panel	Located on the port aft end of the cockpit combing, containing a Tachometer, an Engine Temperature gauge, a Fuel Gauge, a Volt Meter, Oil Pressure Gauge, a Start Button, a Key Ignition Switch and an Engine Stop "T" handle.
Battery Switch <i>Never turn any battery switch off while engine is running!</i>	<ul style="list-style-type: none"> House Battery Switch: Above chart table on electrical panel. Engine Battery Switch: Around the right aft side of electrical panel above chart table: arrow up is off, down is on. Engine Backup Switch: inside Navigation station cabinet with louvered door. Switch is on the upper right side. This switch should be left in the off position at all other times to prevent drain on the start battery.
Engine Hour Meter	Next to cockpit control panel, port.
Fuel Gauge	Aft berth, forward under cushion.
Ignition/Start	Small round silver key switch on Control Panel with silver start button.
Glow Plug	Ignition key, turn to right and hold for at least 30 seconds.
Throttle	Starboard side of Helm pedestal. Forward is fast, Back is idle. 50% to start.
Shift <i>Shift at idle speeds only!</i>	Helm, port side: Forward for forward, back for reverse.
Engine Starting <i>Warning! Never turn the battery switch to "OFF" while the engine is running!</i>	<ol style="list-style-type: none"> Deactivate and disconnect shore power. Turn House Battery switch to "Both" and turn Engine Start Battery ON so that arrow points down. Make sure shift is in neutral, throttle 50%, ignition on, engine stop handle in completely. Glow Plug, hold ignition key to the right 20-30 sec. Activate start while continuing to hold glow plug. If engine does not start within 5 sec., recheck that steps were performed exactly and retry. Check the engine exhaust at the bottom of the transom to see that water is being exhausted out. Warm up for 15 minutes. Before dropping dock lines run through shifting and throttle advance until comfortable.
Stop Engine	Black knob on Engine Control panel; pull out to stop engine. After engine has stopped, push Black knob back in, turn key to off position and remove to a safe location.
Dipstick <i>Check oil only if necessary.</i>	On the Starboard side of engine, low, under air intake. Access through hatch at end of settee.

Electrical

Electrical Panel	Starboard, above the Nav station chart table with breaker switches labeled for each system.
Battery Switch Never turn any battery switch off while engine is running!	<ul style="list-style-type: none"> • House Battery Switch: Above chart table on electrical panel. • Engine Battery Switch: On the right aft side of electrical panel above chart table: arrow up is off, down is on. • Engine Backup Switch: Navigation station, inside cabinet with louvered door. Switch is on the upper right side. This switch should be left in the off position at all other times to prevent drain on the start battery.
Battery Charging Both batteries require 2 to 4 hours to recharge when charge levels are low. Monitor battery levels frequently! (SEE: "Monitoring Batteries") At the end of charter, leave battery switch on "OFF"!	There are 2 methods for charging the batteries on board. Shore Power: <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" and "Battery Charger" breakers. Red lights next to these breakers should be lit. Charging Batteries with Engine: <ol style="list-style-type: none"> 1. Turn Battery Switches "ON" and start engine following "Engine Starting" procedures. 2. Adjust the "Throttle" lever until the tachometer is between 1500 and 1800 rpm. After batteries are charged and engine is off, turn "Engine Start" switch "OFF" (for boats having both engine and house batteries).
Monitoring Batteries Monitor battery levels frequently when using 12 volt services! After charter: leave battery switch on "OFF" and "battery charger" toggle "ON".	Method for Monitoring Battery Level: The Battery 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.
Battery Location	<ul style="list-style-type: none"> • House Bank: Located in the bottom of the chart table cabinet and the aft lazarette. • Engine Start Battery: Located under the aft cabin berth next to the fuel tank.

Sails

Jib	Roller furling line on port side. A slight amount of tension on the furling line while unrolling will make it easier to roll back up.
Mainsail	The halyard leads to the Starboard side of the companionway and locks on the outside cleat. The sheet locks on the starboard side inside cleat. The topping lift cleat is located on the port side of the boom.

Tankage

Water Tanks	Fill fittings (2) located near the rail on the Starboard side just forward of the mast. Tank location: Under the starboard settee (aft). Tank holds: 30 gallons.
Fuel Tank Do not leave fuel filler nozzle unattended when fueling!	Fill fitting: Fill fitting outside the cockpit (port) aft of the waste discharge fitting. Tank location: Under the aft cabin berth. Tank holds: 18 gallons.
Holding Tank Report on discrepancy report that zip-tie has been cut. Staff will install new tie.	Toilet is electric flush, Push button in the head to operate. Water inlet through hull is accessed through the hatch low and forward in the head (smaller). Waste Pump Out fitting: is located outside the cockpit (port) just forward of the diesel fuel fitting. Tank Location: under the port settee (outside, forward). 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). Turn the valve just forward of the holding tank to overboard (large part of the handle points forward). 2. Be sure to return this valve to holding tank (large part of handle pointing aft) and close the through hull when near shore or in a harbor or anchorage.
To Empty Holding Tank While at Sea	Access the macerator and macerator through hull under the port settee (aft, outside). Open the through hull and turn the breaker on the electrical panel on and press the button above the macerator. When finished close the through hull.

Head

Operation Nothing goes in the bowl that has not been consumed first except marine toilet paper!	Make sure "Head Intake" valve is open. Water inlet through hull is accessed through the hatch low and forward in the head (smaller) valve is open if the handle is perpendicular to the hull. 1. Electric flush, push button in the head to operate. 2. On the front of the pump is a selector valve with "Dry & Flush" on its face. 3. push button to wet the bowl. 4. After use, push button to empty the bowl. 5. When bowl is empty, turn the selector to the "Dry" position and push button 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).
To Empty Holding Tank While at Sea	Access the macerator and macerator through hull under the port settee (aft, outside). Open the through hull and turn the breaker on the electrical panel on and press the button above the macerator. When finished close the through hull.

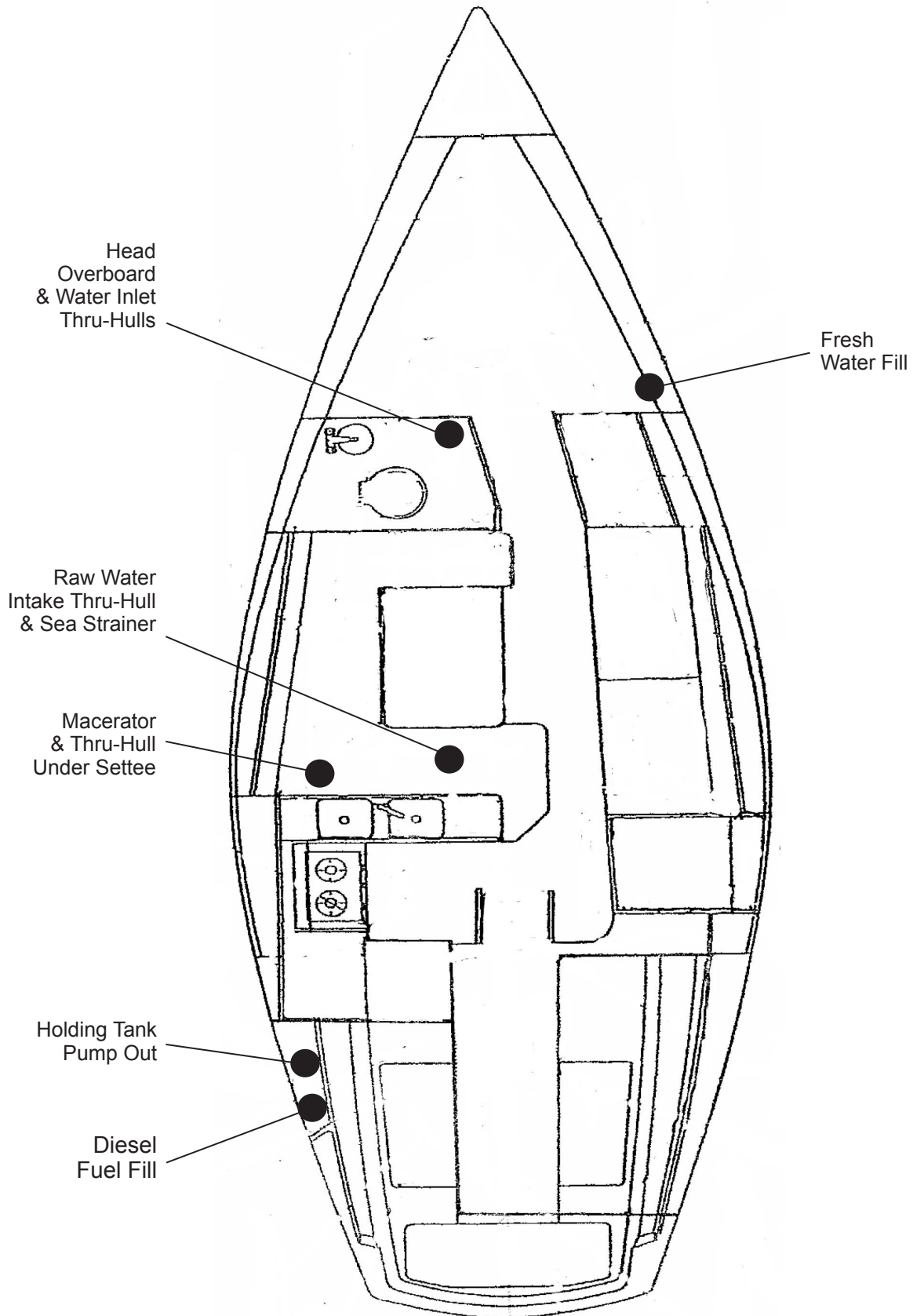
General Notes

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Manual Bilge Pump	Located in the port lazarette and the pump handle fitting is located just outside the lazarette.
Electric Bilge Pump Switch	Located on front outside of engine compartment, port side, under dinette.
Automatic Bilge Pump Switch	Located on front outside of navigation station.
Icebox	Refrigerator, DC switch on the electrical panel.
Stove	CNG, tank is located in the aft lazarette (high well aft).
Water Heater	Operate when on shore power by turning the AC switch on the electrical panel on. Heater operates when the engine is running.
Windlass	Manual. Operate with a winch handle.

Deck Plate & Thru-Hull Locations



Inventory

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Item	Qty	Location
Air Horn	1	Boat Bag
Anchors	2	Bow Anchor in Bow Anchor Locker Stern Anchor in port aft lazarette
Bell	1	On shelf over chart table
Boat Hook	1	Quarter berth.
Bilge Pump Handle	1	In Boat Bag
Canvas	3	Wheel Cover, Main Sail, Cabin Hatch/Companionway
Deck Key	1	In Boat Bag
Emergency Tiller	2	Starboard lazarette
Fenders	2	1 Port, 1 Starboard
Fire Extinguishers	1	Starboard lazarette
	1	Starboard bulkhead, aft.
First Aid Kit	1	Aft Head - Mirror Cabinet
Flashlight	1	Boat bag
Life Jackets	10	Port Lazarette
Life Ring Buoy	1	Stern port pulpit
Radar Reflector	1	Main cabin closet
Signal Flares	4	Boat Bag
Ship Papers	1	Boat Book, Navigation Station
Shore Power Cord	1	Plugs in port side of cockpit combing
Stereo	1	Face of chart table
Tool Kit	0	
VHF Radio	1	Mounted above chart table.
Winch Handles	2	Boat Bag