



Makana Kai

Boat Manual



BOAT CODE

H32

SLIP

B34

DO NOT SAIL IN REVERSE

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

MAXIMUM CAPACITY: 8 PASSENGERS

Violation Will Result In Suspension of Members Certification and Charter Privileges



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To: Aventura Charter Member
Re: Boat Systems Management

It is imperative that you, as the charterer, understand the important information, guidelines and crucial system operational procedures in the following Boat Manual and if not followed correctly will result in significant damage to that system which you the charter will be financially responsible for its repair should the damage happen during your charter.

Please be sure you understand how these systems work, that they do work prior to your charter and if you have any questions to be sure to request one of our fleet operations personnel to meet with you at the boat to go over them.

Enjoy your sailing excursion and thank you for chartering from Aventura!

Sincerely,

Roger Hudson

Roger Hudson
Fleet Operations Manager

Office Phone: 949.493.9493
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Aventura Chartering

Policy & Procedures	P1-P21
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Boat Manual		Make	2001 Hunter
		Documentation No.	1092907
Name	Makana Kai	Length	32.6 Feet
		Beam	11.6 Feet
Code	H32	Draft	6 Feet
Use this information along with the Discrepancy Report and the Basic Course Syllabus			

Engine Yanmar 2 Cylinder Diesel

Location/Access	Under/behind the companionway steps; pull and swing the steps out and away from the top and brace with a boat hook. Push button latch at the top to rotate the steps out and away.
Engine Cockpit Control Panel	Helm pedestal, containing a Tachometer (stbd side high and forward), Engine Temperature gauge, Fuel Gauge, Volt Meter, Start Button , Key Ignition Switch.
Battery Switch <i>Never turn any battery switch off while engine is running!</i>	Below chart table mounted to settee. Labeled "House" and "Engine". Leave on BOTH when shore power is plugged in. Switch to "House" while sailing or anchored.
Engine Hour Meter	Helm pedestal on tachometer, forward Starboard side.
Fuel Gauge	Helm pedestal, low Port.
Ignition/Start	Helm pedestal Control Panel. Round silver ignition key switch and Black rubber start button.
Glow Plug	None: N/A
Throttle/Shift <i>Note, this lever has a trigger release on the handle. Without squeezing the trigger the lever will not move.</i>	<p>Single handle on the starboard side of the helm pedestal; forward for forward, middle for neutral, and back for reverse; further forward or reverse as needed for throttle.</p> <ul style="list-style-type: none"> To disengage the transmission, push in black button at the base of the shift lever so the throttle can be advanced without going into gear. This can only be done in neutral. To re-engage the transmission, bring the handle to neutral and the black button will pop out. Before dropping dock lines run through shifting and throttle advance until you understand this and are comfortable.
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 Battery Switch to "Both/All". Make sure transmission is disengaged, throttle 50%, ignition on, engine stop handle/knob in completely. Push black start button until engine starts. 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 under helm seat, port; 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>	<i>On the Starboard side of engine. Remove companionway steps, to starboard side, find dipstick under fuel filter.</i>

Electrical & Electronics

<p>Electrical Panel</p>	<p>Above the Chart Table (Main cabin port). Leave AC and Battery Charger ON.</p>
<p>Battery Switch <i>Never turn any battery switch off while engine is running!</i> <i>Leave on BOTH at slip.</i></p>	<p>Below chart table mounted to settee. Labeled “House” and “Engine”. Leave on BOTH when shore power is plugged in. Switch to “House” while sailing or anchored.</p>
<p>Battery Charging <i>Both batteries require 2 to 4 hours to recharge when charge levels are low. Monitor battery levels frequently! (SEE: “Monitoring Batteries”)</i> <i>At the end of charter, leave AC switch and charger “ON”!</i></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” and “Battery Charger” breakers. Red lights next to these breakers should be lit. <p>Charging Batteries with Engine:</p> <ol style="list-style-type: none"> 1. Turn Battery Switches “ON” and start the engine with the transmission disengaged. 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).
<p>Monitoring Batteries <i>Monitor battery levels frequently when using 12 volt services!</i> <i>At the end of charter, leave AC switch and charger “ON”!</i></p>	<p>Method for Monitoring Battery Level:</p> <p><i>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.</i></p>
<p>Battery Location</p>	<p>Located inside port lazarette.</p>
<p>Helm Station Instruments</p>	<p>VHF Radio integral with GPS/Chart Plotter, activates with “Autopilot” circuit breaker at electrical panel. Radio at companionway port side disconnected and inoperable. Autohelm switch on the Electrical Panel, engage at the helm.</p>

Sails

Lines	All lines (halyards, main sheet, roller furling take up, reef etc.) lead aft towards cockpit on both sides of the companionway through locking clutches as labeled.
Jib <i>Do not release jib halyard clutch!</i>	Fractional rig on a continuous roller furling line located on the Starboard rail. Be sure to roll up jib so blue UV cover is on outside (visible) to protect sail.
Main	Mainsail has Lazy Jacks in place, raise and lower sail carefully so battens do not snag lines. All Lines (halyards, mainsheet) lead aft towards cockpit on starboard side of companionway.

Tankage

Water Tank	Fill Fitting: located in bow anchor locker. Tank Location: under V-berth. Tank Holds: 50 gallons.
Fuel Tank <i>Do not leave fuel filler nozzle unattended when fueling!</i>	Fill Fitting: located outside the cockpit (port, well aft) Tank Location: Swim step Stern lazarette (Port). Tank capacity: 25 gallons
Holding Tank <i>Report on discrepancy report that zip-tie has been cut. Staff will install new tie.</i>	Pump-out Fitting: Located outside cockpit (starboard, well aft) Tank Location: Swim step lazarette (Starboard). Tank Capacity: 18 gallons
Holding Tank Discharge at Sea <i>Report on discrepancy report that zip-tie has been cut. Staff will install new tie.</i>	Locate the macerator through hull located in the Swim Step lazarette (Starboard) open the through hull (handle up and parallel to the line). Turn the macerator on at the electrical panel and press black momentary button up to five minutes until it runs free, close the through hull when finished.

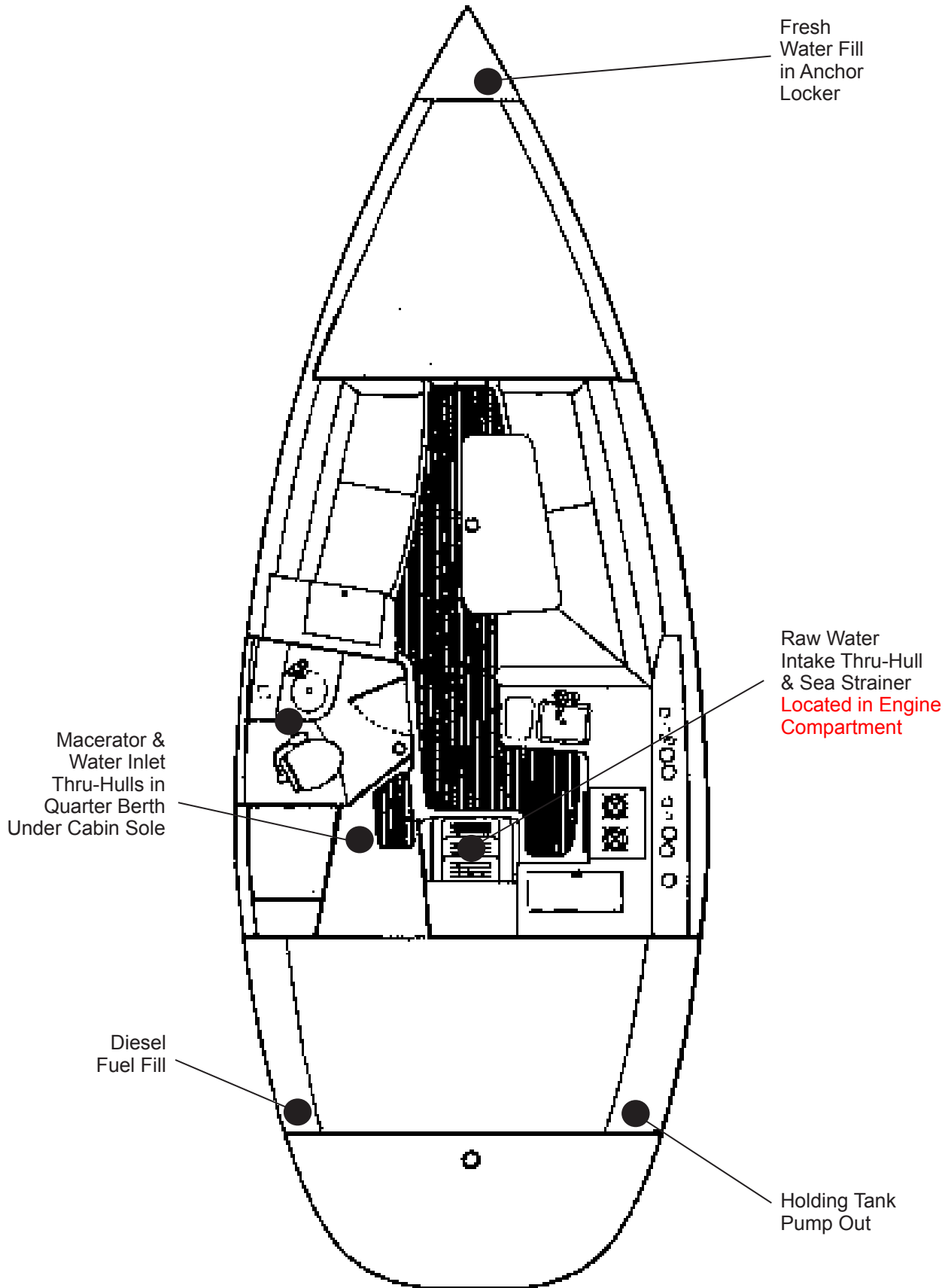
Head

Operation <i>Nothing goes in the bowl that has not been consumed first except marine toilet paper!</i>	<p>Make sure "Head Intake" valve is open. The valve is open if the handle is parallel with the hose.</p> <ol style="list-style-type: none"> 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.
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General Notes

Stove	Propane, tanks in aft starboard lazarette. Safety switch on port side of galley sink cabinet (next to heater). Shared with heater.
Cabin Heater	Propane, tanks in aft starboard lazarette. Safety switch on port side of galley sink cabinet (next to heater). Operating instructions on top of heater.
Outdoor Shower	Located under helm seat, port.

Deck Plate & Thru-Hull Locations



Inventory

Item	Qty	Location
Air Horn	1	Boat Bag
Anchor	2	Bow Anchor Mounted, Stern Anchor in Swim Step port lazarette.
Boat Hook	2	Aft port lazarette, Starboard lazarette
Bilge Pump Handle	1	Starboard lazarette (mounted under lid).
Canvas	1	Helm Cover
	2	Winch Covers
	1	Main Sail Cover
Deck Key	0	None required.
Emergency Tiller	1	Starboard Lazarette, bottom.
Fenders	4	2 Port, 2 Starboard
Fire Extinguishers	1	Main Cabin: below starboard settee.
	1	Main Cabin: on port shelf
First Aid Kit	1	Head sink cabinet
Flashlight	1	Boat Bag
Life Jackets	8	Starboard Lazarette
Oil Discharge Placard	1	Inside engine access hatch
Radar Reflector	1	Swim step, port lazarette.
Signal Flares	4	Boat Bag
Ship Papers	1	Boat Manual
Shore Power Cord	1	Plug in Port above the swim step lazarette.
Tool Kit	1	Under main cabin starboard settee, forward.
VHF Radio	1	Located at Helm, connected to chart plotter. (1 in companionway, port above grab rail is inoperable).
Winch Handles	2	Boat Bag