



AVENTURA SAILING

Zephyr

Boat Manual



BOAT CODE

H31

SLIP

B31

DO NOT SAIL IN REVERSE

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

MAXIMUM CAPACITY: 9 PASSENGERS

Violation Will Result In Suspension of Members Certification and Charter Privileges

Table of Contents

Engine

Location/Access	1
Engine Cockpit Control Panel	1
Battery Switch	1
Engine Hour Meter	1
Fuel Gauge	1
Ignition/Start	1
Glow Plug	1
Throttle	1
Shift	1
Engine Starting	1
Stop Engine	1
Dip Stick	1

Electrical & Electronics

Electrical Control Panel	2
Battery Switch	2
Battery Charging	2
Monitor Batteries	2
Battery Locations	2

Electronics

Helm Station Instruments	2
Autohelm	2
Radar	2

Sails

Jib	3
Main	3

Tankage

Water Tanks	3
Fuel Tank	3
Holding Tank	3

Head

Operation	4
-----------	---

General Notes

Stove	4
Galley Sink	4
Shower Sump Pump	4
Hot Water Heater	4
Microwave	4

Deck Plate & Thru-Hull Locations

Diagram	5
---------	---

Inventory

Boat Equipment	6
----------------	---

Aventura Chartering

Policy & Procedures	P1-P21
---------------------	--------

Boat Manual		Make	2007 Hunter
		Documentation No.	1200262
Name	Zephyr	Length	31'-00"
		Beam	11'-01"
Code	H31	Draft	5'- 06"
Use this information along with the Discrepancy Report and the Basic Course Syllabus			

Engine Yanmar 3 Cylinder Diesel

Location/Access	Under/behind the companionway steps; lift steps out and secure.
Engine Cockpit Control Panel	Starboard, containing a Tachometer, High Water Alarm, Fuel Gauge, Volt Meter, Stop Button, Key Ignition Switch.
Battery Switch <i>Never turn any battery switch off while engine is running!</i>	Below Electrical Control Panel at the chart table, forward of the head.
Engine Hour Meter	Cockpit Control Panel Starboard on tachometer.
Fuel Gauge	Cockpit Control Panel.
Ignition/Start	Cockpit Control Panel. Turn key full clockwise like your car.
Glow Plug	Silver ignition key switch: turn to left. Use only necessary on cold days.
Throttle/Shift Single Lever Control	<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. Cruising speed 3200-3600 RPMs.</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"> 1. Deactivate and disconnect shore power. Turn Battery Switch to "Both/All". 2. Make sure transmission is disengaged, throttle 50%, ignition on, engine stop handle/knob in completely. 3. Turn ignition key to right until engine starts. 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.
Stop Engine	Cockpit Control Panel, push black button. After engine has stopped, 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. Lift companionway steps, find dipstick forward, starboard side of engine.

Electrical

Electrical Panel	Aft of the Chart Table, forward of the head.
Battery Switch Never turn any battery switch off while engine is running!	Below Electrical Control Panel at the chart table, forward of the head.
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 AC switch and charger "ON"!	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"> 3. Turn Battery Switches "ON" and start the engine with the transmission disengaged. 4. 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! At the end of charter, leave AC switch and charger "ON"!	Method for Monitoring Battery Level: Meter on Electrical Panel The Battery Charger is located port side of aft cabin.
Battery Location	Located next to cabin berth, port side.

Electronics

Helm Station Instruments	Wind indicator, boat speed, depth gauge and autohelm.
Autohelm	To use make sure that switches for "GPS" and "Instrument Lights" are ON at the Electrical Control Panel.
Radar	To use make sure that switches for "GPS" and "Instrument Lights" are ON at the Electrical Control Panel. Control on GPS screen mounted above navigation station.

Sails

Jib	The jib is a 104% Genoa on a roller furling rig.
Main In-Mast Furling System Do not release the mainsail halyard!	<p>All Lines: Halyards, main sheet, roller furling take up, reef etc. lead aft towards cockpit on both sides of the companionway.</p> <p>Important: Keep boat straight into the wind, use two lines to control the furling, the outhaul and furling lines on port side of the companionway.</p> <p>Unfurling Sail</p> <ol style="list-style-type: none"> 1. Release both inhaul and outhaul on port side of companionway. 2. Wrap the outhaul red line on the starboard side on the winch (4 wraps clockwise securing with self-tailer) while holding some tension on the inhaul furling line unfurl the sail with winch using winch handle. 3. Be sure to keep an eye on the sail as it is unfurling that all is going smoothly. 4. Lock all clutches after completing unfurling of sail. <p>Furling Sail</p> <ol style="list-style-type: none"> 1. Release the outhaul on starboard side of companionway. 2. Release both inhaul and outhaul on port side of companionway. 3. Wrap the inhaul line on the winch (4 wraps clockwise securing with self-tailer) 4. While holding some tension on outhaul red line on the starboard side, furl in the sail with winch using winch handle. 5. Make sure the leech of the sail is kept fairly taught, to accomplish this: <ol style="list-style-type: none"> a. Sheet in the mainsheet all the way. b. Hold some tension on the outhaul line, easing it out while winching in the furling line. This keeps the furled sail compact and prevents loose sail material from jamming in the mast cavity. c. Keep boat straight into the wind to avoid hang ups when furling. d. Keep an eye on the leech when furling to ensure it does not curl or fold while going into the mast. e. Furl in sail stopping when forward edge of triangular UV protective corner meets the mast. f. Never Force the Furler! If you feel any resistance when furling the sail, stop and check that the sail is furling in without any wrinkles. If you see wrinkles, unfurl the sail until they are no longer there and retry furling the sail.

Tankage

Water Tank	Fill Fitting: located in bow anchor locker. Tank Location: under V-berth. Tank Holds: 50 gallons.
Fuel Tank Do not leave fuel filler nozzle unattended when fueling!	Fill Fitting: located outside the cockpit (starboard, well aft) Tank Location: Stern lazarette (starboard). Tank capacity: 20 gallons
Holding Tank Report on discrepancy report that zip-tie has been cut. Staff will install new tie.	Pump-out Fitting: Located outside cockpit (port, at gate) Tank Location: Aft of head port side. Tank Capacity: 20 gallons
Holding Tank Discharge at Sea Report on discrepancy report that zip-tie has been cut. Staff will install new tie.	Open thru-hull valve forward of tank. This is a ball valve with a yellow handle in cabinet aft of head. Pull up to open. Close after emptying. No macerator, gravity drain.

Head

4

H31

Operation

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

Make sure "Head Intake" valve is open, located under companionway steps. The valve is open if the handle is parallel with the hose.

Head has 2 rocker switches to operate. Top switch is water in and flush at the same time. Bottom switch is one way to either fill bowl with water or empty bowl.

General Notes

Stove

Propane, tanks in aft starboard lazarette. Safety switch on cabinet port side of galley sink.

Galley Sink

Outlet thru-hull under companionway steps.

Shower Sump Pump

Located on the sink cabinet in head.

Hot Water Heater

Engine must be running to use heat from engine heat exchanger.

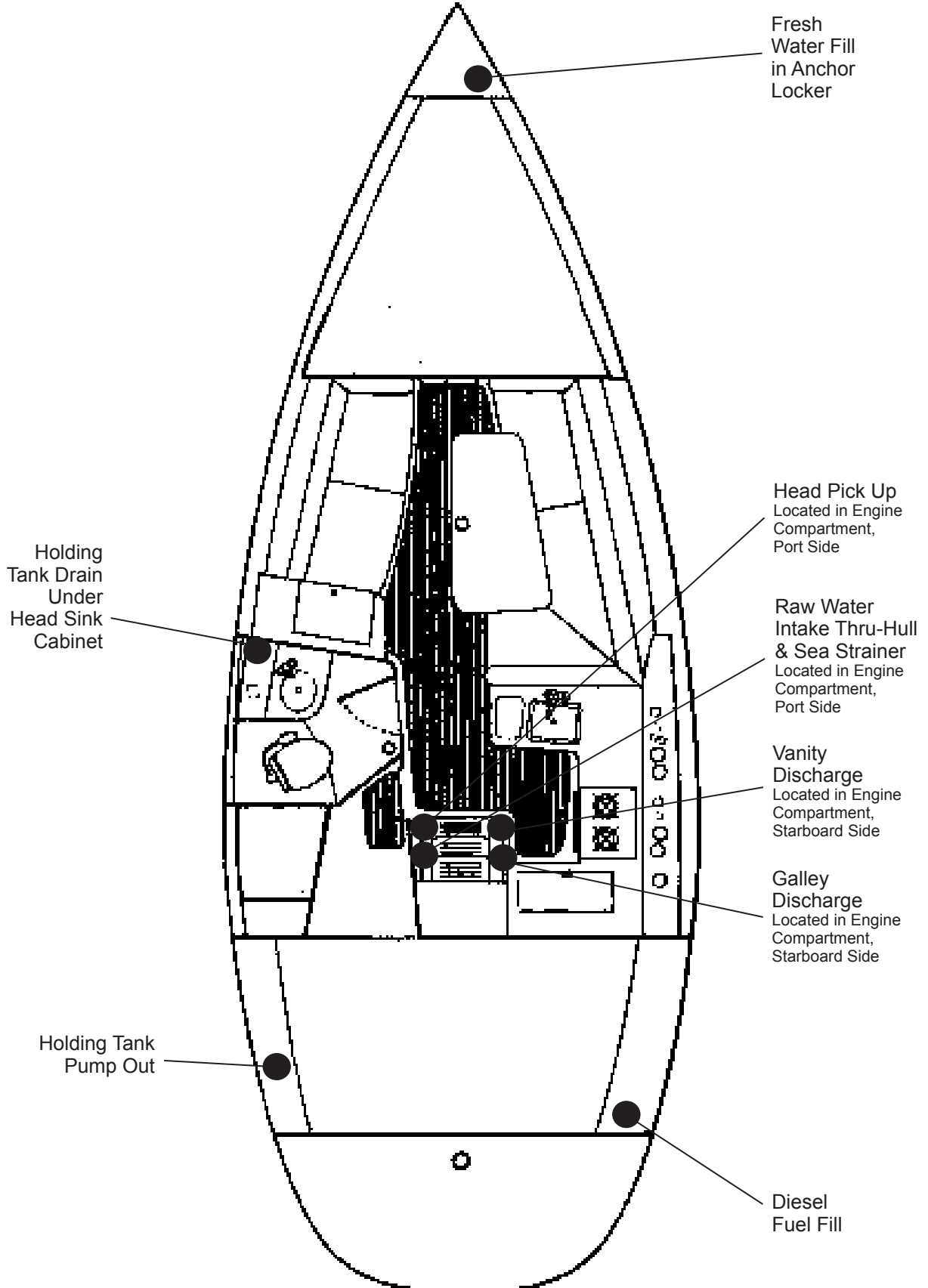
Microwave

Runs on AC, shore power only.

Inverter

Located under chart table. Not hooked up to run vessel equipment but can plug in your personal chargers into it.

Deck Plate & Thru-Hull Locations



Inventory

6

H31

Item	Qty	Location
Air Horn	1	Boat Bag
Anchor	2	Bow Anchor Mounted, Stern Anchor in port lazarette.
Boat Hook	2	Behind starboard settee.
Bilge Pump Handle	1	Starboard lazarette (mounted under lid).
Canvas	1	Helm Cover
	4	Winch Covers
Deck Key	1	Boat Bag
Emergency Tiller	1	Port Lazarette, bottom.
Fenders	4	2 Port, 2 Starboard
Fire Extinguishers	1	Main Cabin: above electrical panel.
	1	Aft Cabin: starboard side
First Aid Kit	1	Galley: Cabinet behind stove.
Flashlight	1	Boat Bag
Life Jackets	8	Port Lazarette
Oil Discharge Placard	1	Inside engine access hatch
Radar Reflector	0	
Signal Flares	4	Boat Bag
Ship Papers	1	Hunter bag in navigation station.
Shore Power Cord	1	Plug in Port side aft of cockpit.
Tool Kit	1	Under galley sink.
VHF Radio	1	Located at navigation station.
Winch Handles	2	Boat Bag