



AVENTURA SAILING

Albireo

Boat Manual



BOAT CODE

G30

SLIP

J21

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

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 Panel	2
Battery Switch	2
Battery Charging	2
Monitoring Batteries	2
Battery Location	2
Pedestal Instruments	2

Sails

Jib	2
Main	2

Tankage

Water Tanks	3
Fuel Tank	3
Holding Tank	3

Head

Operations	4
------------	---

General Notes

Bilge Pump	4
Ice Box	5
Stove	5

Deck Plate & Thru-Hull Locations

Diagram	6
---------	---

Inventory

Boat Equipment	7
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Aventura Chartering

Policy & Procedures	P1-P21
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Boat Manual		Make	1990 Catalina
		Documentation No.	CF 8448 JT
Name	Albireo	Length	29'-11"
		Beam	10'-10"
Code	G30	Draft	5'-03"
Use this information along with the Discrepancy Report and the Basic Course Syllabus			
Engine Universal 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 Never turn any battery switch off while engine is running!	Starboard, aft of the electrical control panel above the Nav station chart table.		
Engine Hour Meter	On the face of the tachometer on the Engine Control Panel.		
Fuel Gauge	On the Engine Control Panel.		
Ignition/Start	Small round silver key switch on Control Panel with silver start button.		
Glow Plug	Hold ignition key to the right 20-30 sec.		
Throttle	Starboard side of Helm pedestal. Forward is fast, Back is idle. 50% to start.		
Shift Shift at idle speeds only!	Silver lever on port side of steering pedestal. Back for reverse. Forward for forward.		
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. Glow Plug, hold ignition key to the right 20-30 sec. 4. Push start button while continuing to hold glow plug. If engine does not start within 5 sec., recheck that steps were performed exactly and retry. 5. Check the engine exhaust at the bottom of the transom to see that water is being exhausted out. Warm up for 15 minutes. 6. Before dropping dock lines run through shifting and throttle advance until comfortable. 		
Stop Engine	"T" handle on Engine Control panel; pull out to stop engine. After engine has stopped, push "T" handle back in, turn key to off position and remove to a safe location.		
Dipstick Check oil only if necessary.	On the Starboard side of engine, low, under air intake. Access through hatch at end of settee.		

Electrical

2

G30

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!	Starboard above the Nav station chart table.
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 the "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	3 Deep Cycle Marine Batteries: 2 "House" batteries under the starboard settee bench, aft end. 1 "Engine/Start" battery under the quarter berth, Inboard.
Pedestal Cluster Instruments	To activate the pedestal cluster instruments: <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

Sails

3

G30

Jib <i>Do not release the jib halyard except in cases of emergency!</i>	120% Lapper. 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. The Jib Halyard is fairlead back to the cockpit on the cabin top and through a line clutch labeled "Jib Halyard".
Main	The Main Halyard and Main Sheet are fairlead back to the cockpit cabin top and through line clutches labeled "Main Sheet" and "Main Halyard".

Tankage

Water Tanks	<p>There are (2) water tanks aboard with a total 55 gallons.</p> <p>Fill Caps: Located near the rail on the starboard side just forward of the mast. Both are labeled "Water".</p> <p>Tank 1: Located under the V Berth. Capacity is 25 gallons</p> <p>Tank 2: Located under the forward end of the starboard settee bench. Capacity is 30 gallons</p>
Fuel Tank <i>Do not leave fuel filler nozzle unattended when fueling!</i>	<p>Located: Under the Quarter Berth</p> <p>Capacity: 15 gallons.</p> <p>Fill Cap: Located on the outboard side of the Port cockpit combing and is labeled "FUEL".</p>
Holding Tank <i>Report on discrepancy report that zip-tie has been cut. Staff will install new tie.</i>	<p>Located: Under the Port settee bench.</p> <p>Capacity: 25 gallons</p> <p>Pump-out Fitting: Located outboard side of the Port cockpit combing and is labeled "WASTE".</p> <p>Emptying the Holding Tank at Sea:</p> <ol style="list-style-type: none"> 1. Turn on the Battery Switch to "ALL" or "2". 2. On the 12v DC Service Panel locate the "Macerator" rocker switch and activate it. 3. Locate the "Macerator Pump", "Macerator Button" and "Macerator Through Hull" under aft end of the Port settee bench access cover. 4. Cut the Zip Tie on the "Macerator Through Hull" valve and open the valve (Move handle to a vertical position in-line with hose). 5. Press the black "Macerator" button under the lip of the access cover and hold in until the pump is no longer pumping waste overboard (pump isn't straining). 6. Close the "Macerator Through Hull" valve (Move handle to a horizontal position perpendicular to the hose). 7. On the Electrical Control Panel, turn off the "Macerator" rocker switch.

Head

4

G30

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

Bilge Pump (Electric)

The Electric Bilge Pump is located under the main cabin bilge plate. Mounted next to the pump is an "Auto" bilge pump float switch. This float switch will automatically activate the bilge pump when the water level in the bilge is 4 inches or deeper. The float switch is wired directly the batteries and it is not required for the battery switch to be on.

To activate the manual mode (Turns on when switched on) :

1. Turn the battery switch (SEE: Battery Switch) to "ALL" or "2" House"
2. On the 12v DC Service panel, locate the "BILGE MAN/AUTO" rocker switch and move the switch to the left to the "MAN" mode. This will activate the bilge pump. Pump the bilge until it is empty (Near Empty).
3. On the DC Service panel move the "BILGE MAN / AUTO" to the right to the "AUTO" mode (Labeled "Leave On").

Bilge Pump (Manual)

The Manual Bilge Pump is located on the inboard side of the Port cockpit seat bench (Labeled: "BILGE PUMP").

To operate the pump:

1. Retrieve the bilge pump handle from the Boat Bag.
2. Insert the handle in the pump receptacle on the face of the pump.
3. Move the pump handle up and down to operate the pump. Note: This may take many strokes to "Prime" the pump. Once "Primed" the pumping effort will be harder and will become easier once the bilge is empty.
4. Remove the pump handle and replace it in the Boat Bag.

Ice Box

General Note: The refrigeration on this vessel is not operational at this time.
The boat book will be changed and directions of operations will be inserted once it is in service.

The Ice Box is located outboard and aft in the Galley.

When using CRUSHED ICE realize that it will melt.

Water from the ice DOES NOT drain overboard or into the Bilge. It is PUMPED overboard by use of a FOOT PUMP located at the bottom of the aft galley cabinet.

1. Remove ALL leftover ice from the bottom of the Ice Box. (It has been suggested to use the Dust Pan and Cleaning Bucket to remove excess ice. TRY IT).
2. Locate the RED "T" handled valve under the galley sink.
3. Turn to "T" handle to the vertical position and use the FOOT PUMP to drain the Ice Box.
4. When the box is drained turn the "T" handle to the Horizontal for the galley sink drain.

STAFF SUGGESTION: For Multi Day Charters, placing DRY ICE in the bottom of the Ice Box and placing your crushed ice on top of the dry ice, the crushed ice will last longer. Disposing of the dry ice is the same as regular ice, OVERBOARD.

Warning: Do not let your skin come in direct contact with the dry ice!! This can cause severe burns to your skin!!! Use gloves or heavy towel to handle the dry ice. Do not place food or beverages directly on dry ice. They will freeze!!!

Stove

The Galley Stove is fueled by LPG. The Propane Tank is located in the stern lazarette.

To operate the stove:

1. Turn on the propane tank valve by turning the knob on top of the tank full Counter Clockwise.
2. On the 12v DC Service Panel locate the RED rocker switch labeled "LPG STOVE". Move the switch to the right to activate the switch.
3. Locate the "GAS CONTROL PANEL" on the bulkhead aft of the POWER SERVICE PANELS and behind the VHF radio. Toggle "ON" the switch and observe that the GREEN "Power" is on.

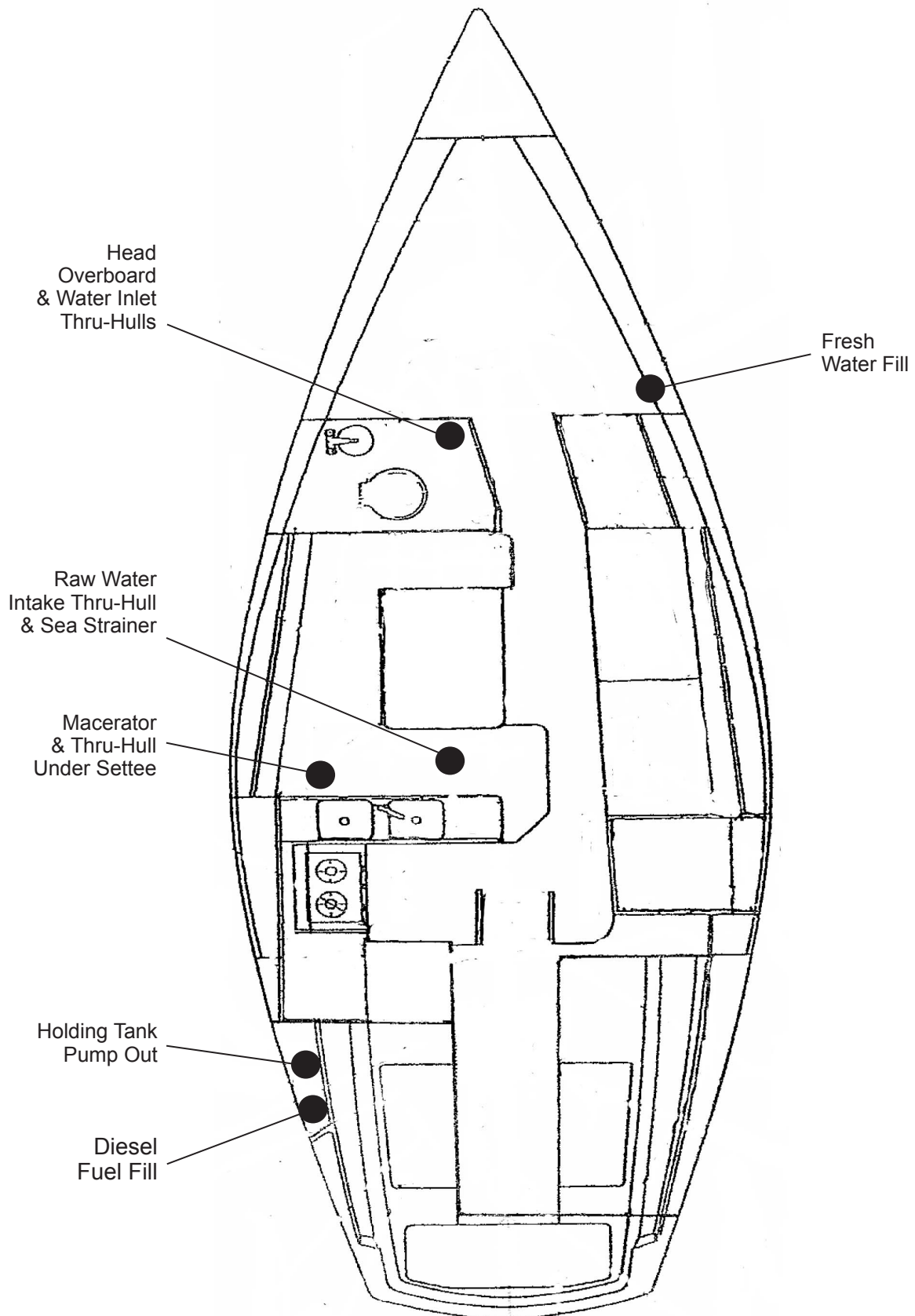
At the stove :

1. Retrieve a BBQ lighter from one of the galley drawers.
2. Select the desired burner to be used.
3. Ignite the lighter and place it next to the selected burner.
4. Push and hold in and turn the selected burner knob.
5. If the burner does not immediately light, BE PATIENT. Some times the fuel supply can be empty and the fuel needs to BLEED into the line from the tank to the Stove.
6. After the burner is lit, adjust the burner knob to the desired level.
7. When finish using the stove, REVERSE THE FIRST 3. STEPS to complete stove shut down.

Deck Plate & Thru-Hull Locations

6

G30



Inventory

7

G30

Item	Qty	Location
Air Horn	1	Boat Bag
Anchors	2	Bow Anchor in Bow Anchor Locker Stern Anchor in port aft lazarette
Boat Hook	1	In quarter berth
Bilge Pump Handle	1	In Boat Bag
Canvas	1	Main Sail
	1	Helm Cover
	2	Hatch Covers: Main and Forward Hatch
	1	Dodger cover
	4	Winch Covers
	2	Handrails: Port and Starboard Cabin Top
	2	Cockpit Comb Line Boxes
Deck Keys	2	In Boat Bag: Deck Fitting and Emergency Tiller Cap Wrench
Emergency Tiller	1	In stern lazarette
Fenders	4	2 Port, 2 Starboard
Fire Extinguishers	1	Mounted on starboard bulkhead in V Berth
	1	Cabinet Starboard side of main cabin
	1	Mounted in Port Lazarette
First Aid Kits	2	Cabinet over Head sink and starboard side of main cabin
Flashlights	1	1 In cabinet starboard side of main cabin
Life Jackets	9	Adult Type II in Port Lazarette
	1	Child Type II in Port Lazarette
Life Sling	1	Mounted on Stern Pulpit
Oil Discharge Placard	1	Above Companionway Steps
Radar Reflector	1	Port Lazarette
Signal Flares	4	Boat Bag
Ship Papers		Boat Book, Navigation Station
Shore Power Cord	1	Attached to AC power inlet on face of stern bench seat, Starboard
Tool Kit	0	
VHF Radio	1	Mounted on overhead, aft of DC & AC Power Service Panels
Winch Handles	2	Boat Bag