



**NEW ENGLAND
SAILING CENTER**

401-619-1697
NESAILINGCENTER.COM

Operation Manual: No Regrets Beneteau 43



Welcome Note



Hello and welcome to New England Sailing Center (NESC) and your Beneteau 43 “No Regrets”. Inside this manual you should find directions and instruction for everything you will need to know in order to operate your vessel safely and efficiently.

Please take the time to read through this manual before you head out and feel free to ask any of our staff questions about the boat or manual. Here at Swain Sailing we want you to have the most comfortable and safe experience as possible.

We hope you have a great trip and enjoy these beautiful cruising grounds. Should you have any problems while aboard please don't hesitate to contact us.

Kind regards and fair winds,
NESC

Office number – (401) 619-1697 {24 hours}

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Boat Specifications	
Max Passengers	6
Cabins	3
Heads	3
Showers	4
L.O.A.	43'
L.W.L.	42'
Beam	13' 6"
Draft	6' 7"
Engine	Yanmar 54hp
Fuel	52 Gallons
Water	190 Gallons

Boat Equipment

Deck Equipment

- Cockpit table
- Cockpit shower
- Cockpit cushions
- Electric anchor windlass
- Dinghy
- Outboard motor
- Bimini

Rigging / Sails

- Roller furling genoa
- Battened main sail

Electronics / Facilities

- VHF
- Speedometer
- Depth sounder
- Wind instruments
- Radio, CD player, and iPod connection
- GPS and chart plotter
- Cockpit speakers
- Autopilot
- Electric fridge
- Outlet 12 V plug

Included in your charter

- Linens and towels
- Fully equipped galley
- Water heater
- BBQ grill
- Navigation charts and manual navigation tools
- First aid kit, life preservers and emergency equipment
- Starter kit: Dish soap, toilet paper, 1 roll paper towels, trash bags, 409, Cruzan Rum and Coke, spice kit

Safety

All of the New England Sailing Center boats undergo regular safety checks and strictly adhere to the BVI Blue Code Safety Requirements.

- Your **Life-Jackets** are located in the **Port Lazarette**

- **First Aid Kit** and **Flare Box** are located above the starboard settee in the locker next to the navigation station.
- Your safety equipment is located in the **Port Cockpit Locker**
 - Thermal Protective Blanket
 - Jump Lead
 - Emergency VHF Antennae
 - Second Anchor

- For **Emergency Radio Operations** see yellow warning sticker procedure

- **Fire Safety Equipment Location**

- Fire buckets in port cockpit locker
- Fire blanket in aft cabin
- Fire extinguishers are beneath navigation table and in aft cabin

- **Engine controls** – Refer to boat operations manual for operation instruction

- If you experience bad weather we recommend you navigate to a near-by port of refuge by referring to charts and cruising guide. If you are in need of advice or assistance call NESC office.

Life Saving Signals

Fire Safety

Your fire blanket is located on the wall in the aft cabin. In the event of a stove/pan fire:

- Pull down hard on black straps
- Place blanket over fire and smother flames
- Let blanket sit over pan for extended time - even if the fire appears to be extinguished, exposing hot stove or pan to oxygen could result in re-ignition.



There are 3 fire extinguishers on your vessel, one on the side of your navigation station and one located in each cabin.

When using the fire extinguishers, follow the **P.A.S.S** rule:

- Pull the pin
- Aim at the base of the fire
- Squeeze the handle
- Spray/spread along the base of the fire

In the event of an engine fire, your companionway stairs are fitted with a small plastic hatch through which you should extinguish the fire, rather than lifting the stairs and thus feeding the fire additional oxygen.

Heads

It is very important for your comfort and safety onboard that you use heads according to the following procedures.

- Prime the head by turning the switch to the water setting on the pump, ensuring there is some water in the bowl.
- When using the head, make sure nothing goes into the head other than what you have digested and a **very minimal** amount of paper.
- To clear the head, pump 20 times – ensure that the water in the bowl becomes clear.
- Change the flush setting to dry and pump out any water, leaving the head dry for the next person.
- Whenever at the dock, be sure to use shore side facilities so as to keep our marinas and anchorages clean.



Showers

The head is equipped with a shower. In addition, the transom has a shower hose with fresh water access.

- To use, first ensure that the fresh water pump breaker is turned to the **on** position at the 12v panel.
- The shower drain breaker should also be turned on at the 12v panel.
- For your comfort, please drain the shower pan after each use with the small black button beside the shower valve.
- The cockpit/transom shower can be fully controlled from the unit with the flow control switch on the shower head.

Electrical Panel - 12 Volt Panel



First column	Second Column	Third Column
Battery Charger	Navigation Lights	Deck Light
Water Heater	Anchor Light	Navigation
AC outlets	Panel Light	Fridge Unit
		Auxiliary (Gas Solenoid)
		Bilge Pump (Manual/Auto)

Batteries

Your yacht is not equipped with a generator. Therefore anytime you use electricity on the boat you will need to charge you batteries to replenish the energy used. Our engineers suggest that you charge the batteries for 3-4 hours daily, usually two hours in the morning and two hours in the evening works well.

- Start your engine according to manual starting procedures.
- Hold in the button on the center of the throttle lever.
- Increase RPM to 1500 (engine not in gear) in order to charge efficiently.



Battery switches and windlass breaker

- Battery switches (Starboard Aft cabin) stay on unless there is an emergency
- Windlass breaker switch (Starboard Aft cabin)

Your inverter converts DC power into AC power.

- Plug the connection into the 12DC outlet on your electrical panel
- Switch on the 12DC switch
- Turn on the inverter
- Plug in your device and charge

Bilge Pumps

- ❑ The electric bilge pump is turned on/off the switch on the 12V panel labelled Bilge Pump 1. There is also a high water float switch and automatic bilge pump that is permanently on. It is labelled Bilge Pump 2. If the float switch raises it will make a buzzer noise.
- ❑ You also have a manual bilge pump, which can be operated from the cockpit.



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Refrigeration

Your yacht is equipped with one refrigerator compartment. In order to ensure proper refrigeration, please follow these guidelines:



- ❑ Supplement your refrigerator with a block of ice and a bag of ice cubes at the start of your charter and buy more ice as needed throughout.
 - ❑ Pack the fridge in the reverse order of which you think you will use your food.
 - ❑ When opening the fridge try to take out everything you will need for that meal at the same time.
 - ❑ Use the drain button located to the right of the stove to empty any melted ice daily.

If you follow these steps not only will your food stay better refrigerated but your batteries will do less work to keep the refrigerator cool.

Mechanical



Engine start procedure

- Ensure throttle is in neutral position
- Turn ignition switch on
- Push start
- Make sure tachometer is showing RPM's
- Confirm water is coming out of the exhaust

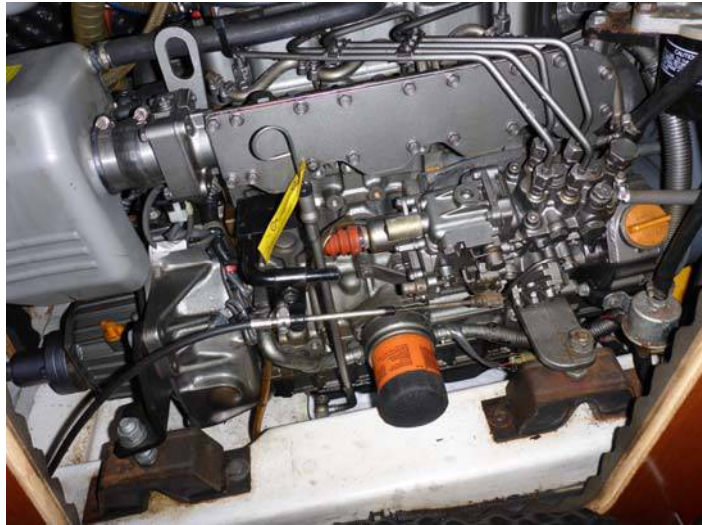
To stop the engine

- Put throttle in neutral position
- Push stop button until engine stops
- Turn off ignition button



Daily Engine Checks

- Check belt for damage and ensure it is tight (should turn no more than 90 degrees).
- Check oil level. Dipstick is located on the left hand side of the engine. The level should be at least halfway between the two level marks. If not, use spare oil located in your navigation table's seat. To add oil open orange fill-cap on top of engine. Be careful not to overfill.
- Check coolant level. If low please top up. Spare coolant is also located in navigation seat.



At the first sign of engine trouble please call NESC for assistance.

Propane and Stove

The propane locker is located on the port side of the transom.

Do not change propane tank when BBQ is lit.

Usage

- Turn on the gas solenoid (auxiliary) switch on your instrument panel.
- Light your match, then push in the stove's knob and turn 90 degrees counter-clockwise.
- Light the burner and hold down knob for 15 seconds to ensure the whole burner is ignited.
- To turn off the stove, turn off one of the solenoid switches. After solenoid has been switched off allow remaining gas in lines to completely burn off. Once the burner has gone out, return the stove knob to the off position.

If you suspect a gas leak do not use any of the electrical systems on board including the bilge-pump.

Fresh Water System

- No Regrets has two water tanks with a total capacity of 190 gallons. As soon as one tank starts to go dry (water starts spluttering out the faucet) please turn off the tank you are on and turn the other tank on. Try to conserve your water usage or expect to re-fill at some point during your charter.



Instruments

VHF

- Ensure radio is switched on and at a high volume.
- Make sure that it is set on the **high** setting unless you are calling a vessel that is very near.
- Turn squelch up until you hear a hissing noise and then down just enough for it to stop.
- Select channel for calling.
- Hold down switch on handset while talking and release when not.
- Please remember to put cover back on instruments to avoid sun damage.



Useful channels

16 – For hailing another vessel and distress calls **only**
 68 – Marinas and Yacht Clubs – for réservations, etc...
 06/09 – Non commercial ship to ship
 05 or 06 - weather

In the event that you are involved in an incident that is not life threatening, please contact the NESC office immediately at (401) 619-1697. Please report as much information possible so that we can best assist you.

Your yacht is also equipped with the following:

- Raymarine ST6002 Autopilot in cockpit with repeat functions at Nav Station.
- Raymarine ST60+ Tridata in cockpit with repeat functions at Nav Station.
- Raymarine RC10 chart plotter in cockpit only.

Equipment

BBQ

- Before lighting your BBQ ensure your dinghy is tied upwind on the bow of your boat
- Never use the BBQ while sailing or on dock
- Never change propane tanks while using the BBQ
- Light your charcoals on the windward side of the BBQ for best results



Dinghy and Outboard

- Always have your dinghy on a short line when docking or performing any close quarter maneuver.
- While underway, ensure your dinghy is on a long line tied at the stern cleat.
- Make sure you are going at a slow speed (neutral) when moving your dinghy to a long line as it can be difficult to hold on to if not.

- Whoever is operating the dinghy should be over 18. Never operate the dinghy under the influence of alcohol.
- To start the engine, lower the engine, confirm fuel line is properly connected, and pump fuel line bulb until hard. Make sure the kill-cord is in place and that the gear lever is in neutral. Face the engine and pull the starter cord ensuring nobody is behind you. If after a few pulls it still won't start, pull out the choke and try again. When the engine has started push the choke back in.
- To stop the engine, push in on the red button or pull the kill-cord off.
- While underway, the kill-cord should be attached around the leg of the driver.
- To prevent dinghy theft, use the lock provided and keep your kill-cord with you while ashore.
- Do not speed while among other yachts and swimmers.
- At night you must carry and shine a torch at all times.
- It is suggested that you use the PFDs provided on your yacht while in the dinghy.
- A cable and lock are provided, and it is your responsibility to ensure the dinghy does not get stolen. Please use lock at docks and on the boat at night.



Maneuvers

Mooring

- Bring dinghy on to short line
- Consult cruising guide
- Prepare two mooring lines, each one tied to each bow cleats
- The person on the bow is in charge of the boat speed and direction using visual commands to the helm
- Motor upwind to mooring only fast enough to ensure steerage is maintained

- When the person on the bow feels you have sufficient speed to coast to a stop at the mooring ball they instruct the helmsman to engage neutral - try not to have to use reverse
- Mooring pendant is hooked using boat hook and brought onboard under the bow-pulpit and secured to one of your mooring lines
- That mooring line goes through the eye of the pendant and cleat hitched back on to the same cleat it is tied to
- Once you are secure, you can now pass your second line through the eye of the pendant and back to its respective cleat
- Each line should be the same length and just long enough to avoid chaffing on the bow

Leaving the mooring

- Again, ensure dinghy is on a short line
- Start engine
- Release one of your mooring lines
- When boat swings in the direction you wish to go release your second line
- Only start to motor away when helmsman can see the mooring ball

Anchoring

- 7 to 1 recommended scope
- Bring dinghy onto short line
- Prepare anchor
- Anchor locker door secure, safety line off, anchor tipped over bow
- Locate good drop spot (consult cruising guide)
- Allow person on bow to point you to target
- Allow the boat to come to a stop and drop anchor
- Initially drop half of expected rode
- Windlass pays out 2ft per second
- Boat will turn broadside to wind as she makes way to leeward
- When anchor catches the stern will kick downwind
- Pay out another 10 seconds of rode
- Continue sequence until you feel you have reached sufficient scope
- When boat has settled head to wind engage reverse in low revs
- Sight your on land transits
- If transits are still holding after one minute throttle up to medium rpm 1500
- After another minute increase rpm to 2000 rpm and wait another minute
- The boat should stay in the same place throughout this process
- The anchor is secure. Slide snubber hook over anchor's chain forward of bow roller
- Secure other end to bow cleat
- Pay out a little more chain until snubber line is holding all the strain

Leaving Anchor

- Again, ensure dinghy is on a short line
- Rev engine in neutral to 1500rpm
- Remove snubber line
- Pull up anchor until you hear windlass start to strain or until chain no longer has any sag.
- Let the chain drop again under its weight pulling the boat forward
- Continue until all the chain is retrieved and anchor is free
- Communicate to the driver when the anchor is up
- Driver goes back in to neutral position and engages forward and motors away
- Secure anchor

Reefing Guidelines

The following is NESC's suggested wind strengths for reefing

- Reef 1 at 12-15 knots
- Reef 2 at 15+ knots
- Use only partial jib after 20 knots

Troubleshooting

The following is a short list of common bareboat issues. For more complicated issues please contact NESC and let our engineers do the work.

Problem: Stove won't light

Solution 1: Ensure solenoid switch is turned on

Solution 2: Ensure propane tank valve is open

Problem: Toilet won't prime

Solution: Pump in wet bowl setting very fast to bleed air