

ZEPHYR checklist

Please read first and follow instructions.

START THE ENGINE

1. **Open seawater valve for engine cooling if closed.**
2. **Check oil level on dipstick. It should be close to the full mark.**
3. Turn battery switch to “1” or “2” (go out on 1 and back on 2).
4. **Do not turn battery switch while engine is running.**
5. Put transmission lever in neutral. Put throttle at 1/3 position.
6. Turn key to the right to turn on the fuel pump – makes humming sound.
7. Turn key all the way to the right, hold for ~ **30 seconds** for glow plug.
8. Press “Start” button for no longer than **10 sec.** If necessary pause 10 sec. and repeat.
9. Release start button and key.
10. Check oil light; it should go out. Ammeter should indicate charge.
11. Check at transom if **cooling water** is coming out of exhaust pipe.
12. If oil pressure light does not go out or no water comes out **Stop Engine.**
13. Run engine for 5 minutes in idle to make sure system remains normal.
14. Operating temperature is 165° F to 190° F.
15. **Reduce idle, pause in neutral for propeller to slow down before shifting.**
16. Boat still secured, shift transmission forward, neutral and reverse.
17. Do not run engine higher then **2400 RPM.** Good cruising speed ~**5.2 Knots.**

STOPPING THE ENGINE – Turn off Engine while Sailing

1. Shift Throttle to idle position (reduce gas) with **right** handle.
2. Put Transmission in **Neutral.** (**left** handle)
3. Let engine idle for ~2 minutes to cool down.
4. Pull “**T**” handle listen for beep sound.
5. Turn off key, to the left.
6. Push “**T**” handle back.

SHORE POWER

1. At this time we **DO NOT** use shore power. Do not plug in power cable.

CLOSING THE BOAT

1. Turn off all power switch accessories.
2. Do turn the main battery switch to “**OFF**”.
3. Clean up the boat and remove garbage and personal items.
4. Secure the dock lines on the boat.
5. Sign log book.
6. Close all hatches and lock the boat.

Things to know

1. Look at the boat. How does it look?
 - a. Tied up to the dock.
 - b. Rigging, jib, halyards, sheets, and fenders in place.
 - c. Is it clean in and outside? (i.e., empty bottles)
 - d. Check head for cleanliness.
 - e. Use head only if necessary.
2. Do not smoke on the boat.
3. Do not stand on the forward hatch.
4. Do not hop on or off the boat.
5. Do not use the stove.
6. Do not over steer; if you go in reverse, $\frac{1}{4}$ turn is enough.
7. Untie bowlines from the cleat on the dock and not on the boat, stow lines in forward hatch with anchor.
8. If you lose the sail ties, they sell them at West Marine (Sail Gaskets).
9. Position of seawater valve for Engine cooling **should be open** (handle in-line).



Valve closed



Valve open



10. Never open Thru-hull discharge valve. Starboard side under V-berth.
11. Never turn on Macerator pump.
12. If holding tank is full go to pump out station at the Marina.
13. If you fill up water for water tank, make sure you use water fill on port side.
14. If you need Diesel fuel follow procedure. The Diesel fill cap is on the starboard side.
15. Info is in drawer under the stove with the keys. Please keep manual below deck.
16. Please use fenders and spring lines as discussed.
17. Use bow spring line as you come in. Put loop around mid dock cleat and you will have your hands free to bring the stern in safely without running it into the dock.
18. Prop walk pulls stern to port in reverse.
19. Keep stern lines out of the water or they will foul up at the prop.
20. Check battery water level, see check-off sheet.
21. Please read, understand and follow the write up.
22. Please **keep your eyes open for other boats behind you**. Go slow inside Marina.
23. I almost forgot, it is a sailboat, so do have fun.

