

ISLAND TIME QUICK START

- 1. Engine room checks should be performed daily, before cruising.**
 - a. Check engine coolant levels.
 - b. Check Generator coolant levels.
 - c. Check Racor fuel filters for water or contamination.
 - d. Check generator fuel filter.
 - e. Observe engine room for leaking oil, coolants, or fuel.
 - f. Check that main sea strainer is clean and free of debris and the inlet seacock is OPEN.
 - g. Check that generator strainer is clean and free of debris and the inlet seacock is OPEN.
- 2. Disconnect shore power**
 - a. At the AC Panel next to the helm station, turn off all AC breakers (especially Shore 1 and Charger/Inverter).
 - b. At the dock pedestal, turn off shore power circuit breaker.
 - c. Disconnect yellow electrical cord from the dock pedestal and the boat, coil up and place in lazarette.
 - d. The Refrigerator (and Freezer breakers, if electric freezer on top deck has contents) on the DC Panel should always remain "ON".
- 3. Turn on DC Panel breakers**
 - a. Turn on Electronics, VHF, and Autopilot breakers (in port and starboard breaker panels).
 - b. The Refrigerator (and Freezer breakers, if electric freezer on top deck has contents) on the DC Panel should always remain "ON".
- 4. Close all port holes and hatches that might permit water to enter the boat.**
- 5. Confirm that dinghy is secure. Check that dinghy fore and aft "snubber" lines are tightly tied.**
- 6. Check around boat for obstacles in the water and items on the boat that need to be secured.**
- 7. Check fuel level using sight gauges or monitoring panel.**
- 8. If not already on, turn on VHF Radio and Garmin Chartplotter/Depth/Autopilot at the instruments.**
- 9. Start Engine**
 - a. Set shift lever to neutral.
 - b. Turn ignition key one click clockwise (the low oil/overheat warning will sound). Hold down Pre-Heat switch on port side of the helm for approximately 15 seconds – you may see a small Voltage meter dip at first, then a small rise. Whether you see the voltage change or not, start the engine after the 15 seconds.
 - c. Push Start button and crank engine until it starts. **Note-Cummins engine company states "do not crank engine for more than 10 seconds, wait 2 minutes to allow the starter motor to cool down before restart attempt."** Immediately release your hold on Pre-Heat switch after engine starts, and confirm switch returns to Off position.
 - d. Check that cooling water is coming out of the exhaust.

10. Turn on Bow Thrusters by pushing both ON buttons at same time and see that they are functioning.

- a. The thrusters will turn off automatically after a period of non-use.
- b. Do not use thrusters continuously for more than 1 minute or it will overheat.
- c. Use thrusters in short bursts.

11. Check wind and current directions.

12. Boat Operation

- a. Advance the throttle to 800 RPM to warm up the engine
- b. After about 5 minutes decrease to 600 RPM
- c. Continue warm up by advancing throttle to 1000 rpms when clear of marina.
- d. Operate engine no faster than 1400 rpm until the coolant temperature reaches 140 degrees.
- e. Operate the engine at any speed after reaching normal operating temperature of 180-185 degrees.
- f. Be sure to run engine at 2200-2400 rpm for 30-60 mins each day– this helps prevent build-up in the cylinders.
- g. If you are operating at the maximum rated rpms (2600-2800), do so for only one hour out of eight.

13. Returning to Dock

- a. The engine cool down for the last 5 minutes should be at slow speeds to allow the engine to cool down before shut down. Turn key to OFF (12 o'clock) to stop engine.
- b. Place fenders on docking side of boat.
- c. When docked and the mooring lines are secure, shut off the engine.
- d. Turn off power to instruments by turning off the 3 breakers listed in Section 3 above.

14. Reconnect to Shore Power

- a. Remove the shore power cord from the lazarette, connect to the boat and lead to the dock pedestal (DO NOT CONNECT YET!).
- b. **At the dock pedestal, flip the shore power beaker to OFF.**
- c. Connect the power cord to the dock pedestal and flip the breaker to ON.
- d. In the pilothouse at the AC Panel, flip on the Shore 1 breaker.
- e. At the Magnum Energy panel (below and left of front window) wait 30 seconds for the system to boot up and check that the display reads "Charging" (Absorb, Bulk or Float). If it reads "Inverting" then press the Inverter button to turn off and start charging.

15. Closing the Boat

- a. Recheck that the Magnum panel is "Charging". See 14e above if not. Leave the Refrigerator (and Freezer breakers, if electric freezer on top deck has contents) DC breakers ON.
- b. Close all windows and hatches.
- c. Lock the doors.
- d. On the dock, check the position of all fenders and see that mooring lines are secure (forward and aft spring lines, bow and stern lines).