

ISLAND TIME QUICK START

- 1. Engine room checks should be performed daily, before cruising.**
 - a. Check engine oil and coolant levels.
 - b. Check Generator oil and 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.
 - g. Check that generator strainer is clean and free of debris.
- 2. Disconnect shore power**
 - a. Turn off all AC breakers.
 - b. Confirm Shore power breaker is in off position.
 - c. Turn off shore power circuit breaker at pedestal on the dock.
 - d. Disconnect yellow electrical cord from boat and place in lazarette. **Always disconnect from the shore end and connect from the boat end to avoid moving a live cord.**
- 3. Turn on DC/Battery power**
 - a. Turn on electronics, VFH, Autopilot and Radar breakers.
 - b. Turn on other circuit breakers as you desire.
- 4. Close all port holes and hatches that might permit water to enter the boat.**
- 5. Confirm that dingy is secure.**
- 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. Record readings in cruising log book.**
- 8. If not already powered, turn on Raymarine Electronics, VHF Radio and Autopilot (if desired) at the breaker panel**
- 9. Start Engine**
 - a. Set control handle to neutral.
 - b. Turn ignition switch to ON. Turn on Pre-Heat switch on helm and watch Voltage meter. When it jumps up past 12 V you may start the engine.
 - 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."**
 - d. Check that cooling water is coming out the exhaust.
 - e. NOTE: Turn OFF Pre-Heat switch BEFORE operating the Bow Thruster!
- 10. Turn on Bow Thruster by pushing both buttons at same time and see that it is functioning.**
 - a. The thruster will turn off automatically after a period of non-use.
 - b. Do not use thruster continuously for more than 1 minute or it will overheat.

- c. Use thruster 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. 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.
- 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.

14. Reconnect to Shore Power

- a. Confirm that Shore Power switches are turned OFF at the AC Breaker panel.
- b. Re-attach the power cord to the boat, insert the plug, turn and tighten.
- c. Connect the power cord to the dock power source. MAKE SURE THE DOCK POWER SOURCE BREAKER IS IN OFF POSITION. After connected turn on the dock breaker. Turn on shore power breaker at DC Breaker panel.
- d. Turn on desired DC breakers. Battery Charger, refrigerator, freezer, etc.

15. Closing the Boat

- a. Close the appropriate windows and hatches, unless you leave some open for ventilation.
- b. Insure that the inverter circuit breaker is on and the inverter option is deselected on the front panel of the Magnum control panel. Make sure the Battery Charger is OFF.
- c. Lock the doors.
- d. On the dock, check the position of all fenders and see that mooring lines are secure.