

EYE SEA FOREVER QUICK START

QUICK REFERENCE FOR DEPARTURE - Updated 11/11/2016

The Quick Reference for Departure is in fact, just that---a short checklist and reminders. It assumes that the charter guest/operator is experienced and fully competent in the safe operation of a 30,000 pound, 41 foot power boat, knowledgeable of boating rules and has read the more detailed owner's manual for Eye Sea Forever. These notes cannot anticipate every situation that may arise. They are also not intended to take the place of reading the Owner's Manual and other informational material located on the boat, dry locker starboard side, and next to stairwell to staterooms. No warranty is expressed or implied.

NOTE: Bold lettering indicates safety items or key operations

Preparing For Departure

1. Engine Room checks – performed daily before cruising

- a) **Access the Engine Room:** Open the floor hatch in the salon just in front of the entry door. Flip on the engine room lights breaker located inside the engine room on the aft bulkhead electrical panel, upper right corner. See photo. The starboard side of the engine room can be accessed through another floor hatch in the salon at the foot of the pilot house stairs.



Engine Rm
Lights

- b) Enter the engine room and complete the engine room checklist shown in the Owner's Notes document and posted on portside freshwater tank just below the engine room aft hatch.
- c) When engine room check is completed, **turn off engine room light switch. Failure to do may needlessly deplete the batteries.**

2. Disconnect shore power

- a) On the dock at the shore power pedestal, flip OFF the shore power breaker then disconnect the cord.
- b) Have a second crew member start retracting the cord using the Cablemaster. The toggle switch is located in the cockpit on the port side of the sink cabinet. Both crew members need to carefully watch and guide the cord so it doesn't kink or fall in the water.
- c) If the 30 amp pigtail adapter was in use, remove and store in cockpit sink cabinet.

3. DC Panel Breakers

Check that the main DC disconnect breaker is ON then flip on breakers for Instruments, VHF radio, Horn, Lights, etc as needed ("Yellow Dot" breakers). All "Green Dot" breakers should be ON.

4. Close Hatches.

Close and secure all hatches and port holes – salon, staterooms and heads.

5. Check Around Boat

Fenders and fender use are important. With a boat the size of Eye Sea Forever, docking and departing are the two areas that require protection of the hull and rear swim deck. Remember to stow the fenders and mooring lines in the bow storage locker (next to the anchor) while underway.

Getting Underway

1. Start Engine (refer to photos next page)

- a) Throttle/Shift lever in neutral (vertical).
- b) Turn ignition key to START (ignition located forward of throttle/shift lever, below the starboard window, next to macerator key switch). Note: Cummins engine company states **“do not crank engine for more than 30 seconds, wait 2 minutes to allow the starter motor to cool down before restart attempt.”**
- c) The 2 red Neutral lights on the throttle/shifter base will glow when the shifter is set to neutral.
- d) For cold weather warm up, the transmission can be disengaged and the RPM increased by pressing the WARM SYNC button on the throttle/shifter base. The red light will turn on. Increase the RPM slightly to smooth out the engine vibrations. When the engine temperature reaches 100 degrees the throttle can be decreased back to idle. Press the Warm Sync button again to re-engage the transmission.
- e) Check that cooling water is coming out the exhaust. If not, shut down the engine and check the raw water seacock is open and the strainer is not clogged.
- f) Keep RPM less than 1000 for first 5 minutes. Then keep RPM less than 1400 until the coolant temperature reaches 140 degrees. After warmed up, please do not exceed 2400 RPM.



2. Thrusters

Turn on the thrusters by pressing the 2 “ON” buttons simultaneously. The amber light between the buttons will come on. Note that the controller will turn off automatically after 5 minutes of non-use so check periodically that the amber light is lit. The thrusters will overheat and shut down after 3 minutes of continuous running so only use them for 5-10 second bursts at a time. If they do shut down, after a 5-10 minute cool down period, they will reset unless the circuit breakers also tripped. Following are the breaker locations and reset directions.

- **Bow Thruster Circuit Breaker:** Located under the floor in the forward (guest) stateroom. Open the floor hatch. The breaker is immediately under the floor in the forward right corner of the hatch opening. Look for the large red knob. Reset the breaker by pulling the knob out toward you.
- **Stern Thruster Circuit Breaker:** Located in the starboard cockpit floor locker. Open the floor hatch. The breaker is immediately under the floor in the forward left corner of the hatch opening. Look for the large red knob. Reset the breaker by pulling the knob out toward you.

3. Prop Walk

When in Reverse, the boat pulls to Starboard due to the prop rotation. You can use this to your advantage when navigating narrow marina fairways and tight docking situations.

4. Stopping the Engine

Shifter to neutral. Turn ignition key to OFF.

Underway

1. Stow Mooring Lines and Fenders

When clear of marina, make sure all mooring lines, fenders, and anything loose are stowed.

2. Engine

Keep RPM less than 1000 for first 5 minutes. Then keep RPM less than 1400 until the coolant temperature reaches 140 degrees. **After warmed up, please do not exceed 2400 RPM.**

Monitor the engine functions at the helm station SmartCraft electronic monitor as follows.

- Volts should read between 13 and 14 at normal cruising.
- Water temperature should be between 160 and 190 degrees.
- Oil pressure should read between 30 and 80 psi depending on rpm.
- Vacume gauge for RAYCOR fuel filters should read below 7 while cruising.

3. Charts

Charts are provided for your use as well as the Raymarine C-120 chartplotter. The paper charts and chart book are annotated by San Juan Yachting showing dangerous rocks and shallow areas in red. Please avoid these areas. The draft of the boat is 4'10"- one of the most common ways to get in trouble is rounding a point or island by cutting in too close and hitting the rocks. There is a spare prop on board, but we prefer if it didn't need to use it.

4. Electronics

- a) Raymarine C-120 chartplotter.
- b) Raymarine 4 Kw open array radar, equipped with AIS sender/receiver.
- c) Raymarine autopilot with remote. Raymarine ST60 wind indicator.
- d) Raymarine Cummins SmartCraft engine data Display.
- e) Skymate System TracVision satellite system

5. Keep a Lookout

Watch for crab and shrimp pot floats in open water as lines tangling in the prop can be very damaging and a quick way to your cruising vacation short.

6. Communications

Eye Sea Forever is equipped with two ICOM IC-M604 VHF radios with mics. Both are located overhead at the helm station. Always monitor channel 16 on one radio for safety reasons and the other radio for communications on other channels. Eye Sea Forever also has a **Cell Phone Booster** to enhance your communications while cruising the San Juan Islands.

Returning to Dock

1. Fenders

Tied securely on the docking side of the boat, at the appropriate level for the dock.

2. Maneuvering

See Tug Tactics for more information on how an American Tug maneuvers (See black binder located in the book cubby behind the nav table in the pilot house.

3. Engine Shut Down

After the boat is secured with the mooring lines, shifter to neutral. Turn ignition key to OFF. Please do not allow the engine to idle for extended periods as this will carbon up the cylinders and injectors.

4. Electronics

Turn off electronics breakers on the DC panel. Please replace screen covers.

Connecting to Shore Power

- At the DC panel turn the "SHORE POWER" breaker OFF.
- ON the portside of the cockpit, unscrew the large chrome cap labeled "GLENDINNING" and at the CableMaster switch on portside of cockpit sink cabinet, use the toggle switch to let out shore power cord. As the shore power cord is being played out, hand the end to someone standing on dock, so as not to allow the power cord to drop in the water.
- Locate your power supply outlet on the dock, making sure breaker on dock pedestal is in OFF position. Determine ampage level on shore power pedestal. The main chord has a 50 amp end, there is a 30 amp pigtail adapter if needed in the cockpit sink cabinet. Connect the electrical chord to the dock power pedestal, matching the prongs, twisting, and tightening. Turn the dock power breaker on.
- Return to boat, and turn the SHORE POWER breaker ON. The BLUE SEA SYSTEMS MULTIMETER at upper left corner of A/C panel should read 110-120 volts if shore power is operating properly.
- Select the AC items you will be using like Stove/Oven, Water Heater and flip the breakers ON.

Closing the Boat

- Close all windows and hatches.
- DC Panel Breakers:
 - Turn OFF all breakers marked orange/yellow dots.
 - Leave green dot marked breakers ON.
- AC Panel Breakers:
 - Leave yellow and green dot breakers ON, with the exception of the gang circuit breaker marked "generator" which will be in OFF position because you are hooked up to shore power.
- Lock pilot house doors. Lock cockpit door as you leave. Return key to the SJY office staff.
- On the dock, check position of all fenders and insure all mooring lines are secure.