

# QUICK START

## Magic Morning

last revised 9/11/17

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### 1. Engine Room Checks:

- Check engine oil level
- Check generator oil level
- Check engine and generator coolant level (marked on reservoirs)
- Check engine and generator fuel filters for water contamination
- Check diapers for oil or water leaks
- Check engine, generator, deck wash, deep freezer and A/C sea cooling water strainers for debris

### 2. Disconnecting Shore Power:

- Turn AC 120V and 230V main breakers **off**
- Turn "House Power" switch on electric panel **off**
- Turn shore power breaker on dock pedestal **off**
- Disconnect electrical cord from dock pedestal
- Disconnect electrical cord from boat and store cord (along with the 30 Amp adapter if used) in lazarette
- Turn **on** all green dot coded breakers on the DC 12V, AC 120V, 230V panel
- Turn **on** all yellow dot coded breakers on the DC 12V and AC 120V panel as needed
- Turn all AC 230V yellow dot coded breakers *on- as needed*

### 3. General Checks:

- Close all port holes and hatches in Master berth, Guest berth and heads
- Check Flybridge, Portuguese and Lazarette decks for loose canvas and other items
- Check Dinghy is secure
- Check all removed canvas is stored in their proper locations
- Check water around boat for floating debris
- Note the wind and current speed and direction

### 4. Starting Engine:

- The engine ignition breaker(#12) located on the 12V DC electric panel - **on**
- The engine blower breaker(#26) located on the 12V DC electric Panel - **on**
- Throttle at idle
- Gear shift in neutral
- Turn key and engage ignition button (*starter: 30 second maximum with a 2 minute cool down period*)
- Idle engine at 1000 RPM until temperature gauge begins to move
- Step out starboard Pilot House door, look to stern for cooling water bubbling out exhaust

## **5. Thrusters:**

- Turn on thrusters by pushing both thruster *on* buttons simultaneously
- Toggle joystick both directions to ensure thruster operation
- Thrusters turn off after 5 minutes of non-use
- Limit thruster use to 5-10 second bursts (*overheating will pop the breaker*)

## **6. Underway:**

- Stow all fenders and mooring lines on the anchor deck forward of the Portuguese deck
- Keep watch for crab and shrimp pot floats, logs and debris
- To operate the AC power while under way the inverter breaker #12 on the 12V DC electric panel and the inverter button on the Magnum battery controller must be on
- Note economic cruise settings in the *Owner's Notes*. Recommended cruise settings and speeds may change with winds, tides and currents

**Note:** Charts are provided and annotated by SJY for dangerous rocks and shallows. The draft of this boat is 5- feet 6- inches.

## **7. Electronics and Navigation:**

- FloScan (KNTS/RPM/GPH)
- VHF- ICOM DSC VHS Radios
- Depth Finder- Raymarine ST70
- Wind Speed and Direction- Raymarine ST70
- Auto Pilot- Raymarine ST70
- Plotter/Radar- Raymarine E-120 (master plotter is the starboard panel screen. Please do not change the master plotter set up or settings)
- AIS: to operate the AIS the Flybridge E-80 plotter must be turned on
- GPS- Raymarine
- Compass- Danforth 4.5

## **8. Docking:**

- Reduce speed/RPM to cool engine
- Place fenders in proper locations, port or starboard, slightly above water line (*check dock and adjust as needed*)
- If returning to Port of Bellingham: top off both Starboard and Port diesel fuel tanks, the dinghy fuel tank (if used) and empty the holding tank
- Secure all dock lines and fenders
- Ensure engine cool down, throttle at idle, shut off with key
- Turn off E/R blower breaker #26 on the DC 12V electric panel

## **9. Connecting Shore Power:**

- Turn AC 120V and 230V main breakers **off**
- Turn "House Power" switch on electric panel **off**
- The "Reverse Polarity" toggle switch on the AC Power Supply must be set to 120V 30 AMP or 230V 50 AMP depending on the power supply you are connecting to. ***\*If you plug into a 120V 30 AMP power supply with the toggle switch set to 230V 50 AMP, you will fry the 30 AMP relay\****
- Connect shore power cord to boat
- Turn dock breaker **off** and connect cord to shore power pedestal
- Turn **on** shore power breaker at pedestal
- Turn "House Power" switch to "FWD Shore" or "AFT Shore", whichever is applicable
- Turn AC 120V and 230V main breakers **on**
- Check Xantrex battery Magnum battery controller and ensure batteries are charging at 13-14 volts
- Turn off all DC 12V, AC 120V and AC 230V *yellow* dot coded breakers on electric panel - **off**

## **10. Closing Down Boat:**

- Check all *yellow* dot coded breakers on electric panel are turned **off**
- Check all *green* dot coded breakers on electric panel are - **on**
- Place **on** all electronics and navigation covers, close and lock all ports, windows and hatches
- Replace all stored canvas back on their proper locations for: flybridge controls, flybridge captions chairs, dinghy controls and dinghy seat
- Replace all 5 Pilot House window covers back in their proper locations in the port Portuguese cabinet locker
- Place all flybridge and Portuguese cushions back in their proper locations in Pilot House and starboard Portuguese cabinet lockers
- Close all blinds in Salon
- Lock Lazarette
- Close BQ propane tank valve
- Lock all Flybridge, Pilot House and Salon doors and windows
- Check all dock lines and fenders for proper locations settings
- Return keys to San Juan Yachting