

Paikea Checklist

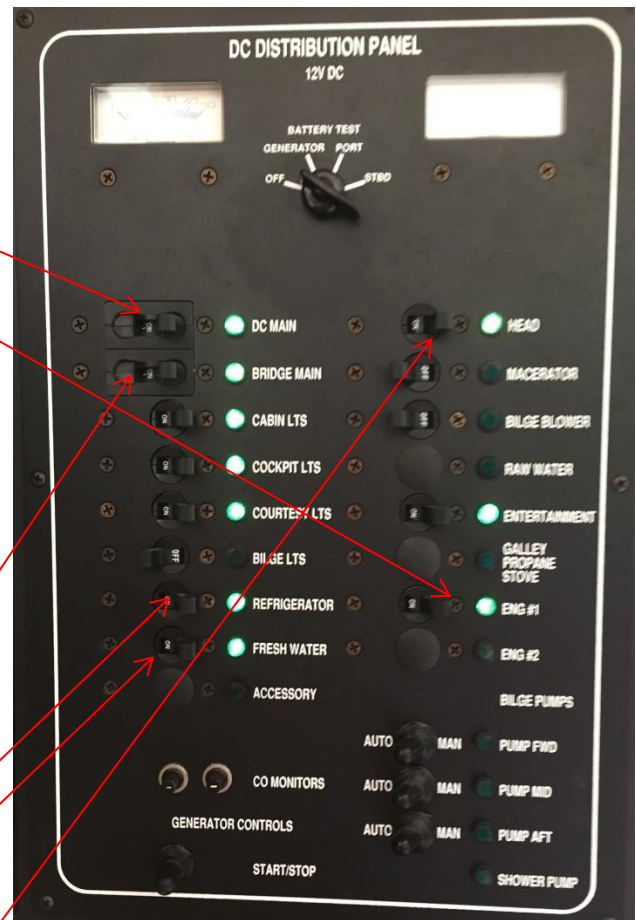
Pre-cruise

1. Slacken starboard stern line (on port transom cleat) to allow for easy boarding (i.e., within 6-12" of dock)
2. Open doors, windows, and blinds as desired
3. Roll up flybridge canvas
 - a. Forward windscreen
 - b. Side curtains
 - c. Aft curtain
 - d. Aft door curtain
4. Remove instrument covers (flybridge and lower helm)
5. Inspect engine room
 - a. Oil level (lower starboard side)
 - b. Coolant level (upper port side, forward)
 - c. Bilges
 - d. Seacocks (all open)

Paieka Checklist

Engine Start

1. DC panel, energize:
 - a. DC MAIN
 - b. ENG #1
2. Listen for throttle beep
3. Press and hold button on throttle until beeping stops and red light on quadrant is steady
4. Press ENGINE START switch



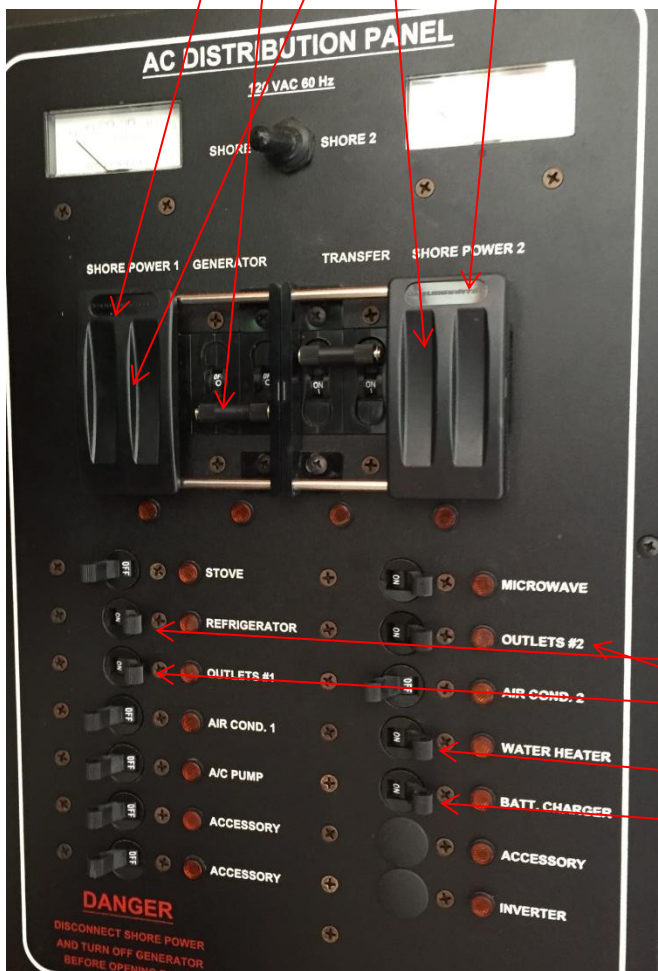
5. Check RPM, eng temp, oil press steady
6. DC panel, energize:
 - a. BRIDGE MAIN
 - b. REFRIGERATOR
 - c. FRESH WATER
 - d. HEAD
7. Flybridge, energize:
 - a. AUTOPILOT POWER
 - b. ACC
 - c. Chartplotter
 - d. VHF



Paieka Checklist

Generator Start

1. DC panel, push generator START/STOP switch to right for 1-2 seconds
2. Allow generator to warm up for 3-5 minutes
3. Disconnect shore power
 - a. Unplug from dock
 - b. Unplug from boat
 - c. Lay cord on dock
4. Energize AC panel
 - a. SHORE POWER switches OFF (down)
 - b. Sliders to cover SHORE POWER switches
 - c. GENERATOR switch ON (up)



5. AC panel, energize:
 - a. REFRIGERATOR
 - b. OUTLETS #1
 - c. OUTLETS #2
 - d. WATER HEATER
 - e. BATT CHARGER
 - f. Other accessories as needed

Paikea Checklist

Air Conditioning/Heating

1. AC panel, energize:
 - a. AIR COND. 1
 - b. AIR COND. 2
 - c. A/C PUMP
2. Ensure water flow out of port through-hulls (aft and forward)
3. Adjust temperature on thermostats as needed (one at salon entrance and one in stateroom, port bulkhead on closet)



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Departure

1. Ensure chartplotter, VHF, autopilot on (upper and lower helms)
2. Cast off initial lines (all lines remain on dock)
 - a. Bow lines
 - b. Forward spring
 - c. Starboard stern (port transom cleat)
3. Cast off final lines
 - a. Aft spring
 - b. Port stern (starboard transom cleat)
4. Keep boat off dock and outboard piling by hand as able
5. Idle reverse with bow thruster
 - a. Remain aligned with slip (not too close to docked boats on right)
 - b. When well clear of last docked boat:
 - i. LEFT bow thruster
 - ii. FULL LEFT rudder
 - iii. FWD throttle 1000 RPM

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Anchoring

1. If at lower helm, transfer command to flybridge
2. Bring boat to full stop into wind (less than 1 KT on GPS)
3. Energize WINDLASS switch on left side of panel

4. Open anchor locker and remove pin from anchor chain
5. Operate anchor up/down using foot pedals next to anchor locker or switch on right side of flybridge panel



6. Note: anchor may need nudge to initially drop
7. Set sufficient scope and let out additional slack line to allow for securing
8. Secure anchor line to Sampson post (do not allow tension directly on windlass)
9. To raise anchor:
 - a. Start engine
 - b. Remove line from Sampson post
 - c. Ensure light tension on line (slack line will jam in windlass)
 - d. Use foot pedals to raise, monitoring closely for jam
 - e. Maneuver boat to reduce load on windlass
 - f. If jam occurs, reverse line to undo jam
 - g. Help anchor over roller if needed and secure pin in chain

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Returning

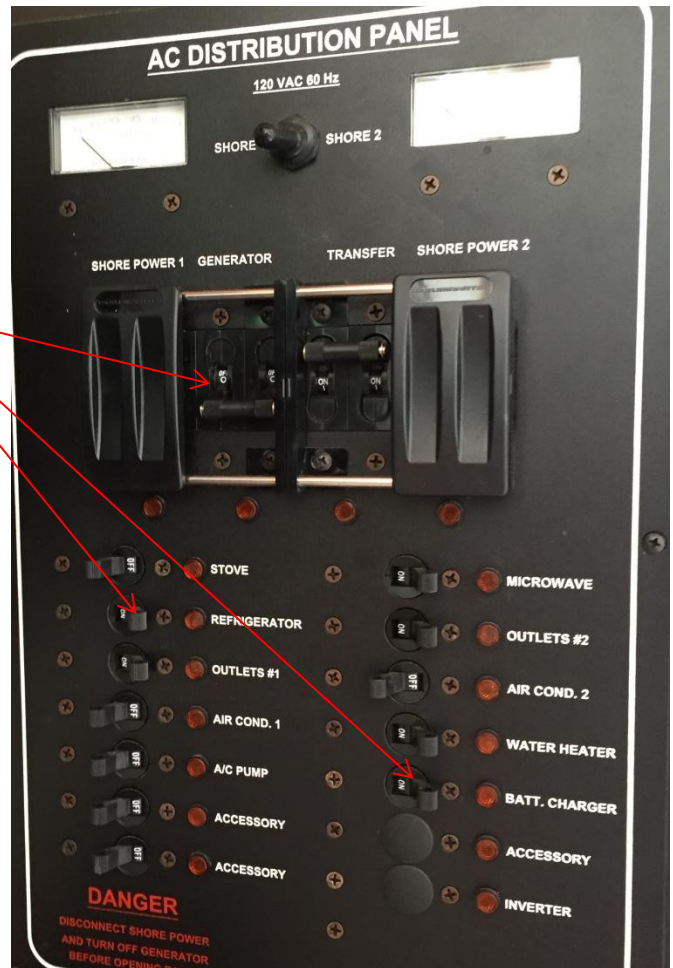
1. Drive from lower helm only while docking
2. Align with slip as soon as entering cove
3. Slow to near stop when within 1 boat length of slip
4. Remain aligned with rudder and thruster
 - a. Before applying forward nudge in close, ensure at a complete stop or slight reverse
5. Grab port stern line, starboard stern line, and set both loose in cockpit
6. Grab aft spring line and secure at mark
7. Secure stern lines
8. Secure bow lines
9. Shut down all electronics
 - a. Lower helm
 - i. Chartplotter
 - b. Upper helm
 - i. Chartplotter
 - ii. VHF
 - iii. Autopilot
 - iv. Accessory switch to OFF
10. Engine OFF



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Generator Shutdown

1. AC panel, switch off all except:
 - a. REFRIGERATOR
 - b. BATT. CHARGER
2. GENERATOR SWITCH off (down)
3. Allow generator to cool down 2-3 minutes
4. DC panel, push generator START/STOP switch to left to shut off generator



Paieka Checklist: Appendix

Performance Table (Ideal)

RPM	MPH (KNOTS)	GPH	MPG (NMPG)	SM RANGE	NM RANGE	DECIBELS	TRIM (DEGREES)
600	4.7 (4.1)	0.4	11.75 (10.22)	2644	2299	52	0.5
1000	6.5 (5.6)	1.2	5.20 (4.52)	1170	1018	57	0.5
1500	8.9 (7.7)	3.0	2.97 (2.58)	668	580	62	0.5
2000	10.9 (9.4)	6.4	1.70 (1.47)	381	332	65	2.0
2500	12.0 (10.4)	10.5	1.14 (0.99)	257	224	70	4.5
3000	18.5 (16.1)	17.0	1.09 (0.95)	245	213	73	6.5
3400	19.9 (17.3)	21.1	0.94 (0.82)	212	184	74	6.5

Conditions: temperature: 84°; humidity: 78 %; wind: 4-6 mph; seas: 1' or less; load: 245 gal. fuel, 65 gal. water, 3 persons, 200 lbs. gear. Speeds are two-way averages measured w/Stalker radar gun. GPH taken with Caterpillar fuel-monitoring equipment. Range: 90% of advertised fuel capacity. Decibels measured on A scale. 65 dB(A) is the level of normal conversation. All measurements taken with trim tabs fully retracted.

Paikea Checklist: Appendix

Water System Sanitization

1. Prepare a chlorine solution using one gallon of water and 1/4 cup household bleach (5% sodium Hypochlorite solution). Use one gallon of solution for each 5 gallons of tank capacity. With tank empty, pour chlorine solution into tank. **Given Paikea's 70 gallon fresh water tank, 3.5 cups of bleach should be poured into full water tank.**
2. Complete filling of tank with fresh water. Open each faucet and drain cock until air has been released and the entire system is filled. Do not turn off the pump; it must remain on to keep the system pressurized and the solution in the lines
3. Allow to stand for at least three hours, but no longer than 24 hours.
4. Drain through every faucet on the boat (and if you haven't done this in a while, it's a good idea to remove any diffusion screens from the faucets, because what's likely to come out will clog them).
5. Fill the tank again with fresh water only, drain again through every faucet on the boat.
6. To remove excess chlorine taste or odor which might remain, prepare a solution of one quart white vinegar to five gallons water and allow this solution to agitate in tank for several days by vessel motion.
7. Drain tank again through every faucet, and flush the lines again by filing the tank 1/4-1/2 full and again flushing with potable water.