

RECOMMENDED PROCEDURES FOR
COMMISSIONING

SAILBOAT

Date of Inspection: _____

Initials of
Checker

A. Before Launching

1. Clean bilge of all foreign matter.
2. Close all seacocks - intake and discharge.
3. Place dock lines and fenders aboard.
4. Make sure all electrical switches are "OFF".
5. Check batteries, full, charged, and tightly connected.
6. Make final below waterline inspection of all items, propeller(s) included.
7. Speedometer thru-hull in place.
8. Test all mast lights, spreader lights and instruments prior to stepping the mast.
9. Install shrouds, stays and spreaders on mast and wire upper shrouds to spreaders.
10. Cover chafe points on rigging.

B. Fueling check list, before start up and future refuelings.

1. Close all hatches and ports.
2. Extinguish all flames, cigarettes, etc.
3. Shut off equipment; i.e. engine generator, stove, cabin heater, radios, lights, etc.
4. Keep fire extinguisher at ready.
5. Remove fill plate cover. Use only the special spanner wrench provided so as not to create any sparks.

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6. Place nozzle of fuel fill hose tightly against rim of fuel fill deck plate to insure proper grounding.
7. Dip tank to determine amount needed. Do not overfill. Fuel will expand in heat so only fill to approximately 95% of capacity.
8. After filling, replace cap and wash up any spillage. Go below and check for any leakage or fumes. If fumes or leaks exist, correct before continuing.
9. Open all hatches and ports.
10. Switch batteries on per electrical procedures as outlined.
11. Check location of blower hoses and run blower for at least five minutes. Check blower exhaust for presence of fumes.

C. After Launching

1. Open all seacocks - check for leaks.
2. Check engine oil level.
3. Check reverse gear oil level.
4. Check V-drive oil level.
5. Check V-drive alignment.
6. Check generator oil level.
7. Check coolant levels in fresh water cooled engines and generator engine (fresh water cooled).
8. Check shaft log(s) and engine alignment.
9. Check stuffing box.
10. Tighten engine mount bolts.
11. Tighten all hose clamps.
12. Open engine and generator cooling water seacocks.

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13. Switch fuel valve(s) "ON".
 14. Visually check engine and fuel tank compartments for leaks.
 15. Turn on any optional electronic bilge sniffer units on board and verify their operation by depressing "test" buttons.
 16. Check steering controls.
 17. Check all wiring on engines.
 18. Check tachometer cables.
 19. Check carburetor linkage.
 20. Check exhaust fittings are secure and tight.
 21. Step mast.
 22. All turnbuckles and toggles fit.
 23. All running rigging proper and in its proper place.
 24. Standing rigging set up properly.
 25. All cotter pins in place and secure.
 26. Blocks, winches and winch handles function properly.
 27. Bend on sails and hoist for fit check.
- D. Verify presence and test operate all safety equipment where possible.
1. Ships bell (need not mount until required).
 2. One (1) properly approved life jacket for each person on board.
 3. Horn.
 4. Fire extinguisher (pressure gauge).
 5. Running lights.
 6. Bilge pump.

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E. Engine Start Sequence

1. Check operation and place shift lever(s) in neutral position.
2. Check operation and place throttle(s) in idle position.
3. Switch batteries to No. 1 position. Do not switch to "OFF" with engines operating.
4. Operate blower for five (5) minutes and check fumes from blower exhaust.
5. Prime engine(s) by pumping throttle(s) two or three times.
6. Start engine and throttle engine to manufacturer's suggested RPM's and observe gauges.
 - a. Oil pressure.
 - b. Ammeters or volt meters.
 - c. Temperature - refer to the manual supplied by the engine manufacturer for the proper readings for oil pressure, charge rate, and operating temperature for the engines installed in your boat.
7. Make sure water is exiting from exhaust system.
8. With controls engaged, check shaft log for excessive heat and vibration.
9. Adjust idles.
10. Make sure transmission is going in "forward" and "reverse".
11. Adjust control handles.

F. Shakedown Run

1. Check all gauges.
2. Check shaft log(s).
3. Check all controls including steering.

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- 4. Re-tighten engine belts if necessary.
- 5. Check all fittings for gas leaks.
- 6. Check all oil levels.

G. After Trial Run

- 1. Start and check auxiliary generator plants
- 2. Check all 110v equipment and outlets.
- 3. Check for water leaks:
 - a. Windows
 - b. Hatches
- 4. Commission marine head(s) per instructions.
 - a. Tighten any loose connections.
- 5. Commission fresh water system per instructions.
 - a. Tighten any loose connections.
- 6. Commission and test stove per instructions.
- 7. Commission and test all other units standard and optional per expressed instructions.
 - a. Speedometer
 - b. Depth Sounder
 - c. Apparent Wind Indicator (AWI)
 - d. Radio Telephone
 - e. Close Hauled Indicator
 - f. Anemometer
 - g. Masthead
 - h. Spreader Lights

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- i. Cabin Lights
- j. Stereo System
- k. Other Accessory Items