

DATE: _____

BOAT: _____

INSTRUCTOR: _____

Expanded Precruise Checklist

Items marked * are showstoppers. Boat does not leave dock until corrected or initialed by captain not serious.

Items marked ** are potentially hazardous and MUST be done with two crewmembers

Documents and references

- _____ Check vessel registration. Current? *
- _____ Current sticker on both sides of bow?
- _____ tide tables on board?
- _____ Charts and navigation equipment? *

Bilge, Pumps, Seacocks

- _____ Unplug shore power
- _____ Check water level in bilge
- _____ Manual switch actuates bilge pump *
- _____ Auto bilge pump operational and set to auto *
- _____ No oil in bilge (bilgepad pieces clean)
- _____ Clean pieces of bilgepad to intercept any oil
- _____ Locate manual bilge pump handle
- _____ Confirm operation of manual bilge pump
 - _____ make sure manual pump actually pumps water. Lots of pumps have bad valves.
 - _____ You may need to run hose into bilge to test.
- _____ Restow any manual pump apparatus removed.
- _____ Locate bucket or large kettle suitable for bailing.
- _____ Locate all seacocks, record no. _____
- _____ All seacocks operate? Log ones stuck.
- _____ All hoses look and feel secure?
- _____ Wood plugs & mallet present?
- _____ Other methods of plugging leaks? (like wax)

Engine and electrical

- _____ At least 5 extra bilge pads onboard?
 - _____ They may prevent environment contamination.
- _____ "No oil discharge" placard in place? Read it.
- _____ Do you have a deck key?
- _____ Open fuel fill if don't know what diesel smells like.
- _____ Make sure fuel fill re-secured
- _____ Other deck fittings secure? Not too tight now.
- _____ Check engine oil (remove dipstick, smell, wipe, reinsert, remove, read, replace)
- _____ Dipstick fully seated after check?
- _____ Engine oil should NOT smell burned or like diesel fuel * but it may be really black.
- _____ Top up engine oil if below ½ between marks *
 - _____ MAKE SURE you know what kind of oil
- _____ Bilge pad under engine clean?
 - _____ if not, renew and log that engine leaks oil
- _____ Check alternator belt 1/2" to 1" deflection *
- _____ Alternator belt is not visibly worn or cracked*
- _____ transmission oil level (unscrew plug or remove dipstick, smell, wipe, reinsert without screwing in, remove, read, reinsert, secure)

- _____ Does transmission oil have a "burned" smell? *
- _____ Top up transmission oil if below ½ *
- _____ MAKE SURE you know what kind of oil the transmission uses.
- _____ Raw water intake valve open *
- _____ Raw water strainer is clean *
- _____ Check internal coolant level, if present *
- _____ Locate at least 1 qt spare engine oil
- _____ spare raw water impeller in serviceable condition?
- _____ spare final fuel filter?
- _____ spare water separator filter?
- _____ water separator bowl clean? * If not clean, drain, log to check at every stop as you have contaminated fuel
- _____ Is there a separate fuel pump to bleed air from fuel system? Know where it is and how to actuate it. Not required but nice to have.
- _____ Do you know if engine has a history of "hard to start" or fuel related problems? Ask.
- _____ Record engine hours _____
- _____ Record engine hours in trip log too.
- _____ Record battery voltage for each bank _____
- _____ Battery switch(s) on
 - _____ If "off, 1, both, 2" switch, is it in "both"
- _____ Start engine, water coming out exhaust? *
- _____ LISTEN, LOOK & SMELL with open cover.
 - _____ Anything Unusual? (squeaking, percussive gas release, idles rough, exhaust smell, hissing, smoke) Diesels normally "knock"
- _____ record oil pressure _____
- _____ Record fuel level _____
- _____ alternator charging? (voltage above 13) *
- _____ Check operation of transmission
 - _____ Any hint of transmission slippage? *
- _____ Water more than dripping from packing gland * (after running transmission)
- _____ Sidelights work? (red and green at bow) *
- _____ Stern light on with sidelights? *
 - _____ Nothing blocking stern light across range?
- _____ compass light works? block outside light to see
- _____ Bow light? (steaming or masthead light) *
- _____ Anchor light? may have to walk away to see
- _____ Cabin lights?

Electronics

- Turn on instruments
- Does everything come alive?
- depth indicator reading reasonable?
- Locate depth sounder transducer
- Locate knotmeter thru – hull (same place?)
- Only do paddlewheel with Captain's permission**
- Unscrew knotmeter paddlewheel assembly **
- remove assembly with twisting motion
- (You are opening a hole to the ocean)
- BE READY to clamp hand over open hole in boat!
- With experience you can do this without getting wet which is why you practice now
- Ensure knotmeter paddlewheel is clean and spins freely. You may need a knife to scrape
- Wheel and supports are delicate so use care
- Reinsert assembly in proper orientation
- Feel for key to slip into notch when inserted
- Screw on retaining ring until it snugs up.
- replace any safety pins you removed
- Wipe up water from cabin sole.
- VHF radio check *
- handheld VHF batteries charged?
- do you have means to charge handheld?
- handheld VHF check
- main GPS or chartplotter reads location? *
- backup GPS agrees with main GPS?

Other Boat Systems

- Head and all valves operational
- Know how to pump holding tank at sea?
- Holding tank seacock locked or equivalent insurance against accidental discharge
- This is a Coast Guard requirement.

Stove operational

Adequate stove fuel

Fresh water system operational

Fresh water topped up?

drains clear?

Topsides, Deck and Rigging Check

- Check lifeline attachments, shrouds and stays
- Check topsides port and starboard for damage
- Hatches appear to seal adequately
- signs of recent water leakage?
- Bow & stern pulpits good, no cracked welds
- Lead jib sheets w/stopper knots
- Fenders - how many _____ and where
- Attach main halyard. Shackle good?
- Locate topping lift
- Locate main sheet
- Operate traveler
- Have corrected anything which might snag the unwary like protruding cotter pin tails.
- know how boat reefs and check reefing gear
- excess friction in bow furler?
- jib halyard tensioned? top furler bearing ok?

winches all tested and bearings sound good

Other sails?

Spinnaker pole if needed.

whisker pole?

Safety Equipment

- Record no. of CG approved PFDs _____ *
- Type IV throwable for the boat?
- Attach life-sling w/ bowline
- Locate first aid kit
- CG requires a minimum of 3 day and 3 night or 3 day/night visual signals UNEXPIRED. Handheld day/night red flares meet the requirements. Expired devices may be carried as backup.
- The boat meet the minimum requirements.
- Locate fire extinguishers
- Fire extinguisher pressure OK? *
- Bell
- Horn readily accessible in cockpit? *
- Horn actually works *
- Radar reflector hoisted
- Flashlights operational
- extra batteries are stocked.
- Jacklines rigged?
- At least one watch worth harnesses and tethers
- Reboarding means? Like if you fall out?

Other Equipment & Float Plan

- Bow anchor secured w/ pin or line
- Is the bitter end secured? "?" is OK.
- How long is the rode in the anchor locker?
- All chain or chain/line?
- both chain and line bow rode in good condition?
- Rode marked so you know how much is out?
- How much extra rode and means to couple it on?
- Windlass works without binding, switch sticking
- Bar or other tool to operate windlass handy and secure so it will not fall overboard?
- Emergency bar to retrieve rode if windlass fails?
- If all chain, nylon snubber with chain hook?
- Chafe gear Motor?
- Dinghy?
- Gasoline stored outside "accommodation spaces"
- Deck gear secured with actual line, real knots
- Good deck access, visibility with xtra deck gear?
- Secondary anchor and rode on board and secured
- Secondary anchors and rodes OK?
- Enough Spare line in good condition?
- Winch handles - record no. _____
- Flopper stopper
- Boat hook
- Bucket with line and brush
- "Complete enough" Tool box

Weather Check - Dana Point -949-496-2210

- Record wind speed & direction, high and low tide,
- visibility, wave height and direction
-
-

Postcruise Checklist

Please note damage, lost items, equipment problems, repairs needed on reverse

- | | |
|---|-------------------------------------|
| ____ Hull, deck, & cockpit scrubbed | ____ V-berth area cleaned |
| ____ Halyards tied off away from mast | ____ Head cleaned |
| ____ Ice box drained & cleaned | ____ Main saloon cleaned |
| ____ Head and holding tank emptied | ____ Galley, stove and oven cleaned |
| ____ Battery switched off | ____ Aft berths cleaned up |
| ____ Bilge pad under engine still clean (does engine leak oil?) | |
