

470 Rigging Instructions

1. Stepping the mast up.

- a. Ensure the mast partner slit is open.
- b. With the boat on the grass, step inside (clean or remove shoes first!), and receive the mast.
 - i. Ensure the heel of the mast is clean.
 - ii. If continuous jib sheet, ensure around the mast slot.
- c. Place the heel of the mast in the shoe inside the boat
- d. Lean the mast forward, against the deck.
- e. Free the forestay and attach it.
- f. Free the shrouds and trapeze, ensure not twisted, and attach them.
- g. Free the other controls (vang, cunningham, spinnaker halyard, topping lift, down haul), ensure not twisted and attach them.
- h. Close the mast partner slit.

2. Rigging the boat

- a. Attach the tack and head of the jib.
- b. Run the foot of the main sail through the boom, attach the clew and tack.
 - i. On some boats the tack can only be attached after the boom is secured in the gooseneck.
 - ii. On some of the boats it is easier to hoist the mainsail and latch its halyard first, and only then attach the gooseneck and the tack.
- c. Attach the all 3 ends of the spinnaker and bag it.
 - i. Note: the spinnaker lines should be the outermost, while its halyard stays close to the mast (between the jib lines).
 - ii. Ensure the halyards are not twisted.
- d. Hoist the jib and attach the halyard cable loop to the tensioner hook.
 - i. VERY IMPORTANT: Make sure the hook catches the metal cable loop and not the messenger line!!!
- e. Tension the rigging up to the mark.
 - i. For all our boats the tension should be ~300 lb force.
- f. Note: Steps d. and e. may also be executed on the water.

3. Launching the boat.

- a. Install the plugs and tank visiting ports. Ensure bailers closed. Ensure rudder and spinnaker pole in the boat.
- b. Wheel the boat in the water and secure on the leeward of the dock.

- c. Lower the centerboard and install the rudder.
- d. Ensure the main sheet is free, hoist the mainsail and latch the halyard. Note:
 - i. The main sail should always be hoisted on the water.
 - ii. On some boats it is easier to hoist the mainsail with soft rigging.
- e. Execute 2.d. and 2.e. if not already done on shore.
- f. Sail away.

4. Grounding the boat.

- a. Come to the leeward of the dock and drop the mainsail.
- b. Remove the rudder and lift the centerboard.
- c. Drop the jib.
- d. Get the dolly under the boat and wheel on shore.
 - i. Make sure the lines are in the boat and not dragged on the sand.

5. Unrigging the boat.

- a. Remove all 3 sails and roll them. Avoid folds. Perpendicular folds on windows are especially bad.
- b. Remove drain plugs and lift the bow up. Bailers should be left closed. It is a good idea to leave the visiting ports open and allow the tanks to dry inside.

6. Taking the mast down.

- a. Open the mast partner slit.
- b. Remove the all the lines connecting the mast to the boat except for the forestay, shrouds and trapeze (vang, cunningham, spinnaker halyard, topping lift, down haul) and use the lines ends to secure them to the mast and the spinnaker ring.
- c. Remove the trapeze and the shrouds and use lines ends to secure them to the mast and the spinnaker ring.
 - i. The mast should now lean forward against the deck.
- d. Remove the forestay and secure it too.
 - i. At this point nothing should fall from the mast, in the event the mast is loaded on a trailer and driven away.
- e. Note: When removing the shrouds and forestay, remove the lower pin to preserve the tuning.
- f. With the boat on the grass, step inside (clean or remove shoes first !) lift the mast and pass it to your partner.