

UBC SAILING CLUB

LASER RIGGING GUIDE

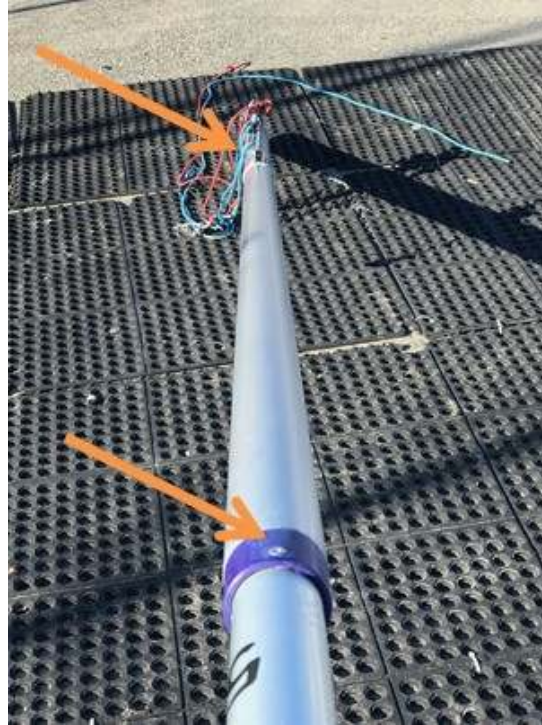
2017

- Check the whiteboard and choose a boat that is sailable
- Collect a sail, located in the middle row wrapped around a PVC pipe. Radial sails are at the back of the aisle, together with the shorter mast section (which you will need).
- Grab the Laser bag with a centerboard, rudder, tiller and main sheet
- Also grab a PFD and sign out your boat.
- At your boat, remove the cover, vaguely fold, and place in the storage bin.



- Remove the boat from the wooden stand or foam blocks.

- Under the cover of the laser you will find the two pieces of the mast as well as the boom. On the mats, attached the two pieces of the mast together and slide the sail onto mast. When attaching the pieces of the mast, be sure to align the small dot on the upper portion with the vang and pin on the bottom portion.



- Once the sail is on the mast, starting from the top, walk the mast up into a standing position. Lift the mast from the bottom and place it into the hole in the hull. Be gentle as you do so – dropping it causes damage to the fiberglass of the mast step.

- Use the line on near the hole for the mast to tie the mast to the hull with a square knot over the vang.



- To attach the boom to the mast, place the boom onto the pin on the mast .



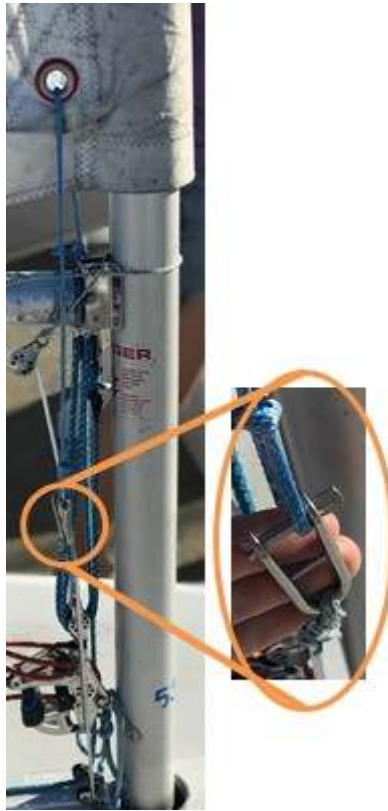
- Attach the corner of the foot of the sail (aka the clew) to the end of the boom with the shackle

- On the mast, there are two small pulleys. Run the outhaul line through one of the pulleys attached to the mast, back to the pulley located on the outhaul line that is running along the boom, back to the second pulley on the mast and then down toward the deck. The figure below shows the order in which to run the outhaul. When properly tightened, pulleys (1) and (3) will be perpendicular.



- Pull the outhaul through the pulley on the deck and through the cam cleat and tie a stopper knot. Tighten it sufficiently to keep the boom from slipping off the mast.
- Once the outhaul is attached tie a reef not through the clew of the sail to keep it close to the boom.

- Put the line for the Cunningham, which is attached to the mast, through the hole in the mainsail and use the shackle to close the loop.



- Run the line toward the deck, pass through the pulley at the deck, and through the cleat next to the outhaul cleat
- The vang is conveniently left attached to the mast. Simply slide the nail into the slot on the boom.



- In the middle of the boom, there is a large loop, pass the mainsheet through this loop, then towards the bow to the forward boom block and down to the body of the boat where there is a ratcheting block. Pass the mainsheet through the ratcheting block in the direction that allows you to hear a ratcheting sound as you pull towards the stern. Tie a stopper knot.
- Pass the other end of the line through the upper part of the pulley on the end of the boom, then through the travelling pulley and back up to the lower part of the pulley on the boom and tie a knot.



- Put on rudder and tiller, securing the latter with a pin.

- Place the daggerboard in the boat. Bring the two lines to the bow of the boat and attaching the to cleat.



Now you are ready to go launch your boat! When de-rigging, make sure to put everything back as you found it (or even more orderly).