

## Whitefriars Sailing Club

### Hire Laser Clew Strap and Outhaul Rigging

The clew strap is used to fix the back-corner (clew) of the sail to the boom. Each of the hire Laser sails should have a clew strap attached and these are colour coded depending on the sail size (but otherwise identical).

- Red – standard sail
- Blue – radial sail
- Yellow – 4.7 sail

All of the straps are marked on the inside of the strap with the boat number and sail size. If you find a clew strap missing or detached from its sail please let us know. There is no need to remove the clew strap from the sail to use it correctly.

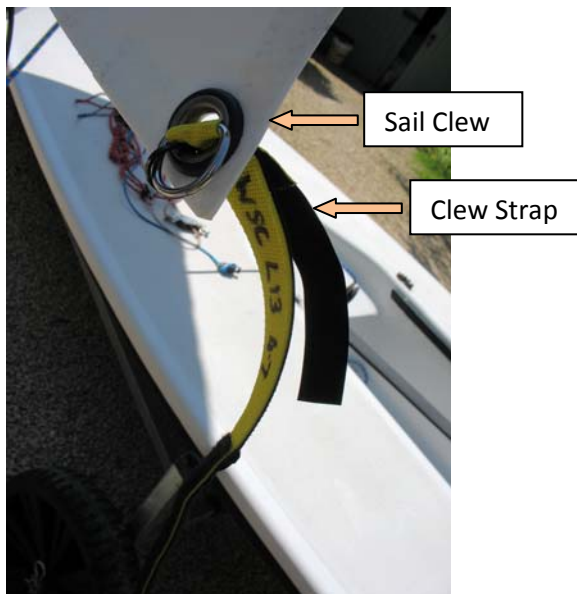


Figure 1

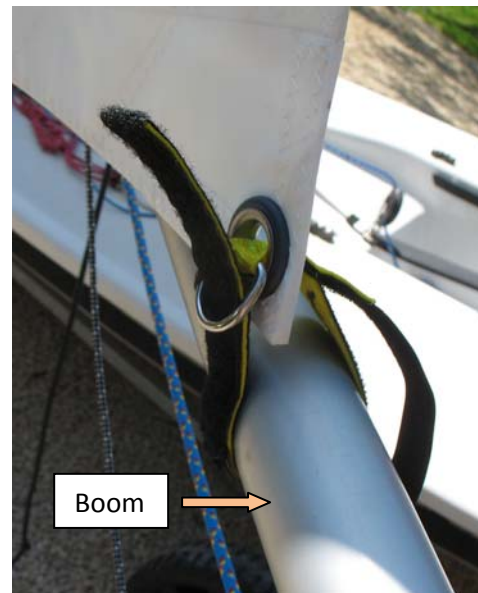


Figure 2

Figure 1 shows the clew strap for the 4.7 sail belonging to L13 as you should find it. Pass the long end of the strap around the boom, making sure not to trap any ropes and with the writing on the inside, then through the metal loop on the clew strap and fold it back onto itself. The Velcro should now attach to itself. The short end of the clew strap goes over the folded back end to 'lock' it into place.

Figure 3 shows the clew strap in place with the outhaul hook also hooked in. Note that the outhaul hook goes through the cringle (eyelet) in the sail, not the clew strap loop. Figure 4 shows this from another angle.

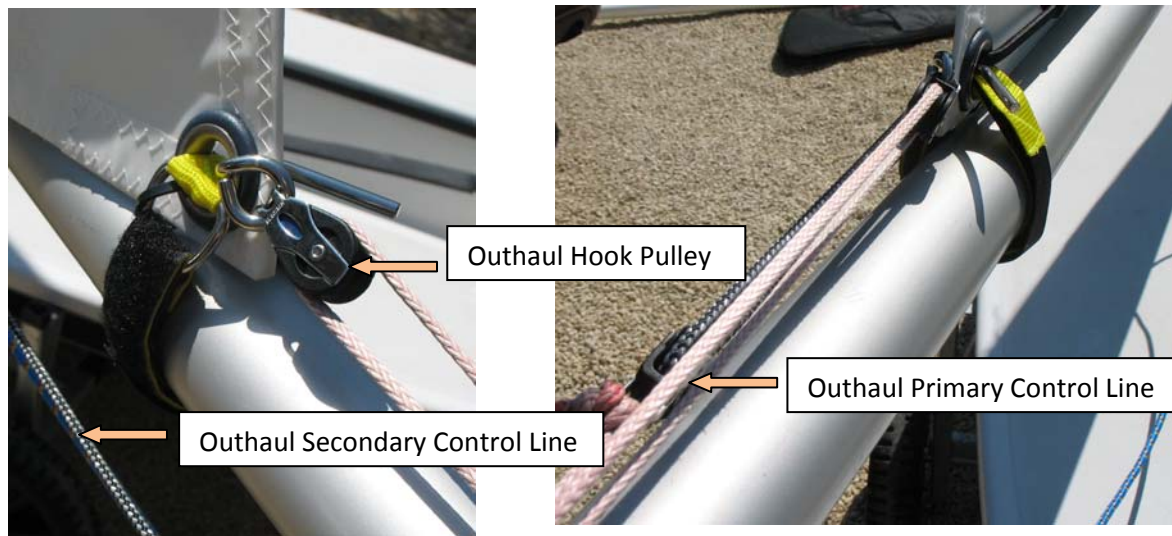


Figure 3

Figure 4

The pink rope going through the outhaul hook pulley is the outhaul primary control line. This is tied in place and will not need adjustment, though make sure it is not twisted when hooking on the outhaul to the sail.

The secondary outhaul control line (black and white rope) is already tied to a cleat halfway along the boom and then goes back through the pulley on the end of the primary control line. You need to take the free end of the secondary outhaul control line along the boom (1) to the pulley tied to the port side of the mast with a grey loop at the Gooseneck (front end) of the boom Gooseneck Pulley). The secondary control line is passed around this pulley and down (2) to and through the port side deck pulley at the bottom of the mast and then back (3) to the port deck cleat in front of the cockpit. Figure 5 shows the outhaul secondary rope going through the Gooseneck Pulley and down through the deck pulley. Once you have passed the end through the deck cleat you may want to tie a rope loop in the end to help when adjusting the outhaul.

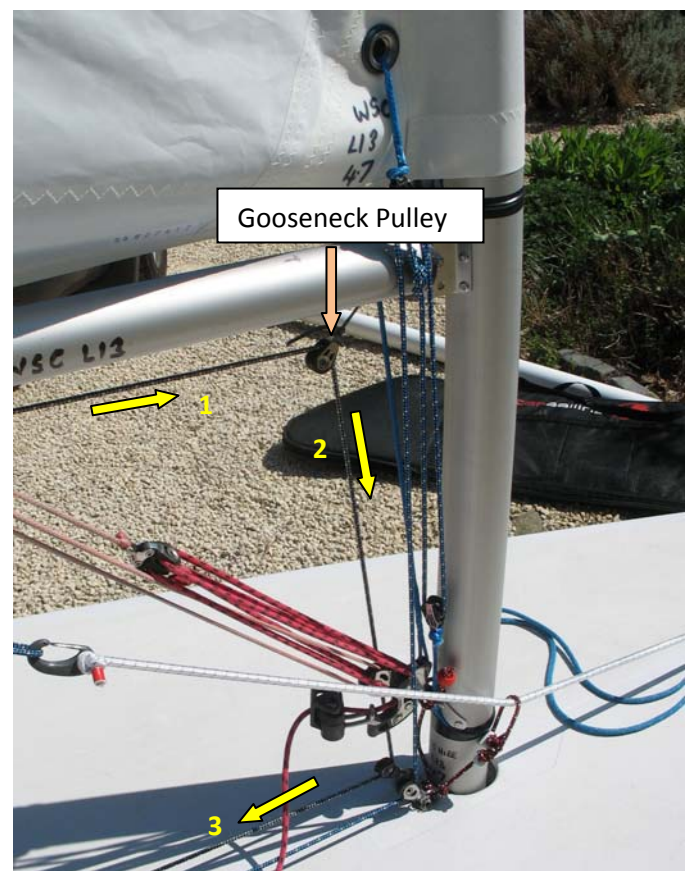


Figure 5

Now you have the outhaul rigged we also need to rig the in-haul. The in-haul moves the clew of the sail inwards when you release the outhaul. The in-haul is the piece of black elastic shockcord threaded through the cleat halfway along the boom with a knot at one end and a white plastic hook at the other. This is threaded through the cringle at the corner of the sail and hooked back on itself (figure 6). Once this is done, the outhaul (and in-haul) and clew strap are rigged.

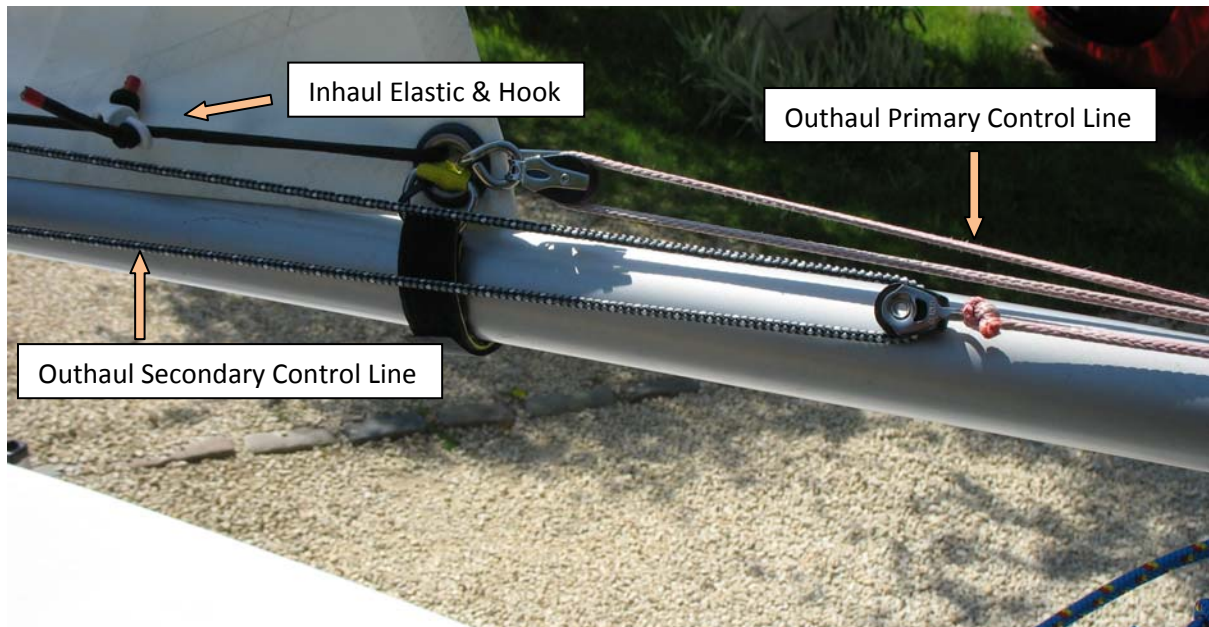


Figure 6

When putting the boat away, the clew strap remains on the sail and the outhaul primary and secondary control lines and the in-haul elastic remain on the boom.