

Rigging the Cunningham: Laser Race Models

1. Check the items in the pack and lay them on the deck (figure 91).
2. Dead eye the grey line (Spec 12) onto a pulley block (figure 92).
3. Dead end the yellow line onto the other pulley block (figure 93).
4. Take the grey line through the cunningham cringle eye on the sail and take the rope down to the kicker mast fitting and tie a knot around it. Adjust the line so that the pulley block is as close to the cunningham eye as possible (figure 94).
5. Take the end of the yellow line through the pulley block which is attached to the grey line, as shown and pull it through until both blocks sit next to each other (figure 95 & 96).
6. Take the yellow line down to the kicker mast fitting and tie a knot around it. Make sure that the two blocks are still sitting next to each other (figure 98).
7. Pass the end of the yellow line through the remaining pulley block by the cunningham eye on the sail (figure 98 & 99).
8. Now take it down to the deck fitting and pass it through the deck pulley from front to back (figure 100).
9. Finally, take the end of the yellow line through the deck cleat and make a line handle (figure 101).



figure 91



figure 92



figure 93



figure 94



figure 95



figure 96



figure 97



figure 98



figure 99



figure 100



figure 101

Rigging the Outhaul; Laser Race Models

1. Check the items in the pack and lay them on the deck (figure 37).

2. Dead end a pulley block to the longer grey line (Spec 12) (figure 38).

3. Measure 9 inches/23 cm from the end of the pulley block and tie a bowline loop, with the grey line, around the boom. Make sure you can get two fingers between the boom and the loop (figure 39).

4. Take the non-pulley end of the grey line and thread it through the outhaul end fitting on the boom (figure 40).

5. Pass the same end through the pulley hook block (figure 41).

6. Take it back to the outhaul boom end fitting and dead end it to this (figure 42 & 43).

7. Now dead end the pink line to the outhaul cleat (figure 44).

8. Take the other end of the pink line and thread it through the pulley which is attached to the grey line (figure 45).

9. This is how it should look. Once you have done this you will not have to do it again as it is left on the boom permanently (figure 46).

10. Now attach a pulley to the bottom section. Put the mast with the sail into the mast hole, take the short pink line and thread one end through the small hole in the gooseneck (figure 47). Take both ends of the pink line and thread them through the top of a pulley block (figure 48). Now separate both ends and take them around the back of the mast and tie them together with a reef knot (figure 49).

11. Make sure the pulley sits at the bottom of the gooseneck fitting (figure 50). This fitting can be left on permanently and the line is taped on so that the ends of the rope are kept tidy and out of the way (figure 51).



figure 37



figure 38



figure 39



figure 40



figure 41



figure 42



figure 43



figure 44



figure 45



figure 46



figure 47



figure 48



figure 49



figure 50



figure 51

Rigging the Outhaul: Laser Race Models

1. Now we can attach the sail to the boom with the hook as shown (figure 52).



figure 52

2. Put the boom on the gooseneck and pull the pink line so that the pulley is pulled close to the outhaul cleat (figure 53).



figure 53

3. With the pink line, tie a bowline loop 4 inches back from the kicker boom fitting, around the boom. Make sure you can get two fingers between the boom and the loop (figure 54).



figure 54

4. Take the end of the pink line and pass it over the top of the Cunningham line and thread it through the pulley on the mast down towards the deck (figure 55).



figure 55

5. Thread the pink line from front to back through the deck pulley (figure 56). Pass it through the deck cleat, making a rope handle at the end (figure 57, see previous instructions).



figure 56

6. Finally tie the clew of the sail down with the short grey line in the usual way. Remember to tie it very tight so that the bottom of the sail is as close as possible to the boom (figure 58).



figure 57

7. To allow the outhaul to be let out with ease, a piece of shock cord can be attached to the clew tie down (figure 59). This is optional. Dead eye the shock cord to the clew tie down. Dead eye the other end of the shock cord to the outhaul boom cleat (figure 60).



figure 58



figure 59

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Note: Laser 4.7 sailors will need to make the following amendments to the rigging of the outhaul: Attach the inboard end of the return elastic to the forward boom block eye. Remove the loop around the boom from the Spectra 12 (outboard) rope. The loop is not required for the 4.7. Adjust the loop around the boom in the pink Spectra rope so that it rests at the kicker key when at MAX outhaul on.
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figure 60

9. Rigging the Clew Tie Down; Laser Race Models

1. Locate the clew tie down line from the delivery kit line bag.

2. Wrap the clew tie down line through the clew grommet and around the boom two times and secure it with a square knot (figure 61). Be sure that the line runs on the inside out the outhaul.

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Option: You can purchase (through your local dealer) a clew tie down strap (figure 62). Release the Velcro so that the strap is straight. Wrap the longer end of the strap (the length without the Laser logo) around the boom and through the d ring. Continue the strap around the boom and secure the Velcro. Thread the Velcro strap with the Laser logo through the clew grommet and secure.
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figure 61



figure 62



figure 63

Rigging the Vang: Laser Race Models

1. Check the items in the pack and lay them on the deck (figure 72).

2. Fit the bottom vang fitting onto the lower mast vang plate. You will need to use a screwdriver and pliers (figure 73).

3. Take the grey rope (Spec 12) and dead end one end to the top single pulley block (figure 74). Put block into boom vang fitting (figure 75).

4. Take the other end of the grey line and thread it through the middle pulley of the bottom vang, from top to bottom (figure 76).

5. Then take it through the top block, from bottom to top (figure 77). Attach the end of the grey line to the shackle of the double pulley block using the dead end method (figure 78).

6. Take the blue line (5 mm Excel Racing) and dead end one end to the bottom of the double block (figure 79). With the other end, thread it through the starboard side pulley block on the bottom vang fitting from top to bottom (figure 80). Then thread it through the double pulley block on the starboard side, from bottom to top (figure 81).

Note: Starboard side is the right hand side of the boat when facing towards the bow, i.e. front of the boat.

7. Take the rope to the bottom vang fitting and thread it through the port side pulley block from top to bottom (figure 82). Take it back up to the double pulley block and thread it through the port side pulley, from bottom to top (figure 83).

8. Now take the rope down to the bottom vang fitting, thread it through the last central pulley, remove from top to bottom and pass it through the metal eye (figure 84).

9. Lastly pass the rope through the vang cleat and make a rope handle near the cleat. Leave a long tail on the rope (figure 85).

10. Dead end the end of the rope on the centerboard as shown. This will allow you to easily grab hold of the vang rope while sailing (figure 86).



figure 72



figure 73



figure 74



figure 75



figure 76



figure 77



figure 78



figure 79



figure 80



figure 81



figure 82



figure 83



figure 84



figure 85



figure 86