

## Check List for Raising the Mast

1. Install wind vane on mast.
2. Install bow pulpit protector. *(This is a wooden bracket that I made to give some stability to the mast where it rests on the pulpit. It is not necessary.)*
3. Assemble 3 2x4s and the 6x6 wooden pieces for pop top. *(This is because I attach the sliding car of the pop top to the mast before raising the mast. You should ignore this step.)*
4. Put mast on pulpit, push out and install pivot pin on mast step.
5. Sort out stays and place where they won't get caught.
6. Place furler on side deck.
7. Attach lower forward shrouds to chain plates.
8. Attach main sheet to board across the lazarette opening. *(I anchor the the end of the mainsheet to a 2x6 that I place in the lazarette across the opening. That makes a very strong attachment point but you can use anything else that gives you a good anchoring point.)*
9. Attach main sheet and main halyard to boom end.
10. Attach boom support lines to boom.
11. Slide boom end on to mast track.
12. Tie and tension boom support lines, mainsheet and halyard.
13. Place pop top on boards and slide bracket into sail track. *(Again, this is peculiar to my way of attaching the pop top car. You can ignore this step.)*
14. Drop ends of aft stays into cabin.
15. Raise mast using mainsheet and stabilize with helper. Watch furler drum and lines that they do not get caught.
16. Attach forestay.
17. Attach back stays.
18. Remove mainsheet from lazarette board and attach to traveller.
19. Attach topping lift to boom.
20. Attach back stay tensioner.

## Tuning the Rig - vertical, straight mast and jib luff without sag.

21. Pull back stay tensioner to straighten the jib stay taught.
22. Hand tighten upper shrouds to remove slack. Check for equal length.
23. Tighten lower shrouds to remove slack and straighten mast.
24. Attach aft lower shrouds and adjust to straighten mast.
25. If necessary, adjust forestay length to change rake.

**Measurements:**

Back stays - from deck to upper pin

Other shrouds - from deck to top of swag

Starting positions	Port		Starboard	
	Forward lower shroud	20 lbs	12"	25 lbs
Upper shroud	15 lbs	11"	15 lbs	11"
Aft lower shroud	20 lbs	12.5"	20 lbs	12.5"
Aft stay	15 lbs	12"	15 lbs	12"
Aft stay with tensioner				