

Raider 16/Sport - Spinnaker Rigging

Rigging Spinnaker

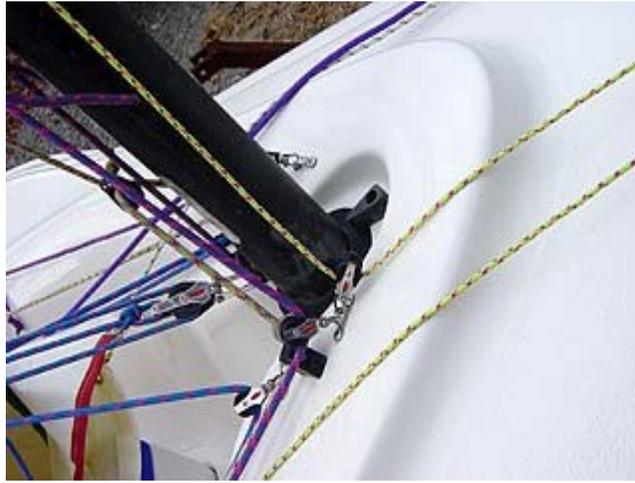


Step 1: Run the spinnaker halyard (minimum 52' in length) through the block then back down the mast. Step the mast as you normally would.



Step 2: Temporally tie one end of the spinnaker halyard to the bow.

Raider 16/Sport - Spinnaker Rigging



Step 3: Run the other end of the spinnaker halyard down the right side of the mast through the turning block up towards the bow.



Step 4: Run the halyard through the turning block and back towards the back of the boat.



Raider 16/Sport - Spinnaker Rigging





Step 5: Continues the halyard aft under the control lines, through the block attached to the hiking strap eye, through the cam cleat and the eye towards the back of the boat.



Step 6: Once the halyard is through the block, pull the halyard through the launch bag up to the front of the cockpit. The launch bag should be lying on the left side of the cockpit floor. Then tie the small end of the launch bag to the block as close as possible.



Step 7: Secure the launch bag to the sides of the cockpit. The short line goes to the port side (left). Be sure the lines are run under all control lines.



Step 8: This is how the launch bag looks from the port side (left) with the spinnaker halyard exiting the front of the launch bag.



Step 9: Untie the end of the spinnaker halyard that you temporarily attached to the bow. Using a bowline attach this end to the top of the spinnaker.



Step 10: Secure the tack line (maximum length 105") to the eye on the bow with a figure eight knot. Run other end through turning block , then back to bow and run through turning block.
(be sure both lines are not twisted.)

Raider 16/Sport - Spinnaker Rigging



Step 11: Run tack line aft, make sure it is over the top of all control lines. Secure end to tack of spinnaker using a figure eight knot.



Step 12: Raise the spinnaker about half way by pulling the halyard towards the rear of the boat. The arrow in the photo shows where to pull from.



Step 13: With the spinnaker partially flying (held out) to the port side (left), locate the retrieval point (black arrow).



Step 14: Take the spinnaker halyard end that is coming out of the front of the launch bag and run it through the grommet in the middle of the retrieval point. Tie a figure eight knot on the back side as close to the end as possible to keep the halyard from pulling back through. Be sure that the halyard is run above all lines as it exits the launch bag and attaches to the retrieval point.



Step 15: Run one end of the spinnaker sheet through the grommet in the spinnaker. In this photo the spinnaker is flying on the port side (left), and the spinnaker sheet is stuck through the grommet back to front with a figure eight knot in the end.



Step 16: Take the other end of the spinnaker sheet and run it aft along the port side (left) of the boat, through the swivel block, and through the cam cleat.



Step 17: Run the spinnaker sheet across the stern (back) of the boat. Be sure the sheet is run over all lines and equipment. Continue through the cam cleat on the starboard (right) side, then through the swivel block forward towards the mast.



Step 18: With the spinnaker pulled over to the starboard side, run the sheet through the grommet opposite of the other end. Secure it with a figure eight knot.



All that is left to complete the spinnaker rigging is to retrieve the spinnaker into the launch bag (ready for use) as shown in this photo. To retrieve, pull the spinnaker halyard from the same location as you did in Step 10. Only this time, pull from the aft forward. You may have to help the sail into the bag. Be sure the spinnaker sheet lines are not locked in the cam cleats.

[Back](#)

Raider 16/Sport - Cunningham Rigging

Rigging Cunningham / Downhaul



Step 1: Run the line attached to the mast just above the black bearing through the block attached to the foot of the main sail.



Step 2: Tie end of Vang line to eye in single block using a bowline knot. Try to get as close as possible to the first block attached to sail.

Raider 16/Sport - Vang Down Haul Rigging

Rigging Boom Vang



Step 1: Tie double block to boom using a square knot. Be sure line goes through eye on top of boom.



Step 2: Tie end of vang line to single block using a Bowline knot.



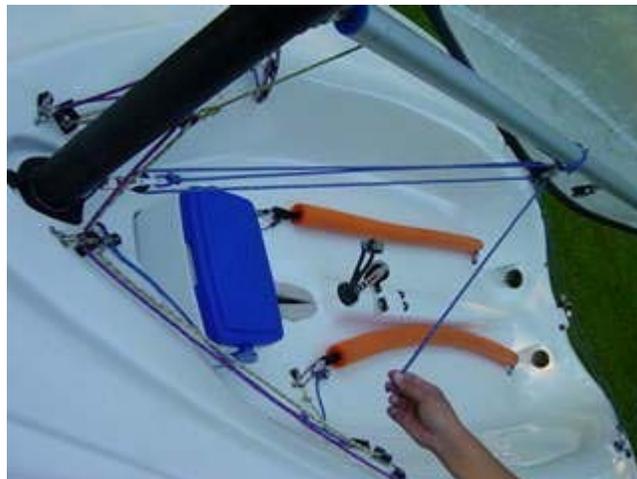
Step 3: Thread other end of Vang line into double block on boom.



Step 4: Continue threading Vang line in a clockwise direction into single block.



Step 5: Continue threading Vang line in a clockwise direction into the remaining position on the double block.



Step 6: Connect single block to mast base using shackle. Be sure not to twist line.



Step 7: Using a bowline, tie the remaining end of Vang line to the eye of the block located on the same colored Vang line that runs to either side of the Raider Sport cockpit.



You have completed the installation process of the Boom Vang, this photo shows the completed setup. If yours does not look the same, please review the steps above. For storage undo shackle in Step 6 and bowline in Step 7. Keep lines running through blocks.

[Back](#)

Raider 16/Sport - Main Sheet Rigging

Traveler Options



I tied two stopper knots 16" apart (8" ea. side of center) on the traveler control line. In 8 to 12 wind speed, the boat seemed to have same pointing ability with more power up wind. The laser sailors have been doing essentially the same thing for years. Works for them, works for us too!

[Back](#)

Outhaul Rigging Procedure



Step 1: Tie end of outhaul line (yellow in this photo) to the eye in the block using a bowline knot. Leave line as long as possible to get maximum travel during outhaul adjustment.



Step 2: This is the proper rigging of the

cunningham/downhaul (purple) and outhaul (yellow).



Step 3: At the opposite end of the boom the outhaul line exits from the turning block towards the sail around the hook (in this photo the line goes through the optional pulley) and back to the grommet in the boom with a figure eight knot securing it in place.

[Back](#)