

# Hunter 216 Spinnaker Kit Mounting Instructions rev.11/21/05

## ***Hardware Items Included:***

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|--|---|
| 1-paper template (attached)                      | 1-eye strap & swivel block (halyard)                    |
| 1-carbon fiber pole (62")                        | 1-pivoting exit block w/cam (halyard)                   |
| 1-pole tube sleeve (16")                         | 4-3/16" rivets (for mast mounted hardware)              |
| 1-forward tube saddle w/block (use 4 1/2" bolts) | 2-5/16" x 4 1/2" hex bolts                              |
| 1-aft tube saddle (use 4" bolts)                 | 4-5/16" x 4" hex bolts                                  |
| 1-stop block (use 4" bolts)                      | 6-5/16" flat washers, fender washers & nuts             |
| 3-fairleads (use #8 x 1 1/2" screws)             | 2-#14 x 1" pan head screws (for cleat holes)            |
| 2-cam cleats & fairleads (use #8 x 3" screws)    | 6-#8 x 1 1/2" pan head screws (for fairleads)           |
| 2-stainless steel "U" straps                     | 4-#8 x 3" pan head screws (for cam cleats)              |
| 3-stainless steel backing plates                 | 8-#10 x 1 1/2" pan head screws (for cockpit eye straps) |
| 4-eye straps, springs & ratchet blocks           |   |

## ***Running Rigging Included:***

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|--|--|
| 1-spinnaker halyard – 1/4" x 52' XLE   | 2-spinnaker sheets – 5/16" x 50' XLE         |
| 1-pole return shockcord – 1/4" x 6'    | 1-pole out line – 1/4" x 15' green fleck XLE |
| 1-tack line – 1/4" x 35' red fleck XLE | 1-spinnaker                                  |

## ***Items Needed:***

- |                                   |  |
|-----------------------------------|--|
| Drill & Hammer                    | 1/8", 3/16" & 5/16" drill bits             |
| Razor knife                       | #2 and #3 Philips bits or screwdrivers     |
| Sealant (3M 5200 or Sikaflex 271) | 1/2" wrench and/or ratchet and 1/2" socket |

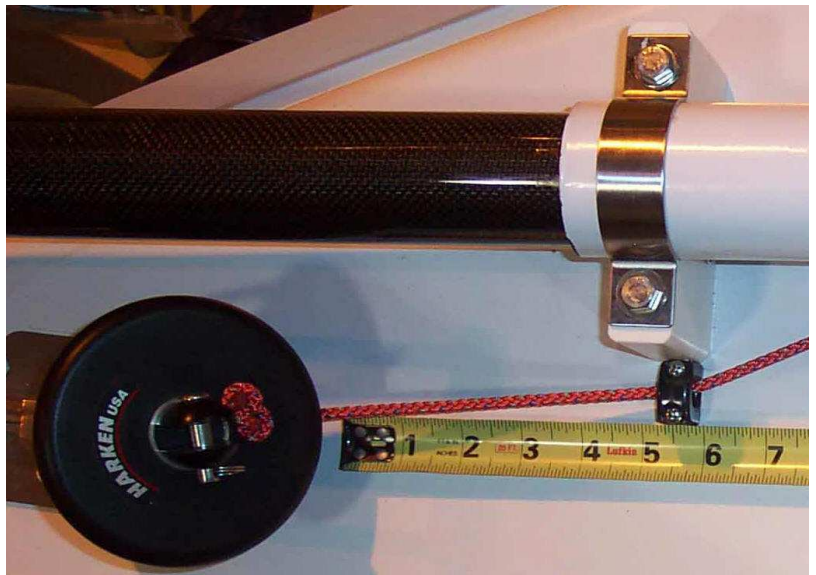
## ***Foredeck Hardware (Be sure to use sealant on all fasteners)***

1) Remove the starboard bow cleat and the furler line fairlead (just inboard). Use 2-#14 x 1" pan head screws in the forward 2 holes with sealant. Drill out the starboard aft hole to 5/16". This will be the outer hole for the forward tube saddle.

2) Cut out "stemhead fitting" and align the paper template with the stemhead fitting and the index for the starboard cleat (slight indent in the deck at the center of the cleat.) This should give you an **approximation** of the mounting location for the forward saddle for the pole sleeve.

***Note: the layout may change slightly from boat to boat. Set the 2 saddles and the stop block in place on the deck BEFORE you drill the rest of the holes!!***

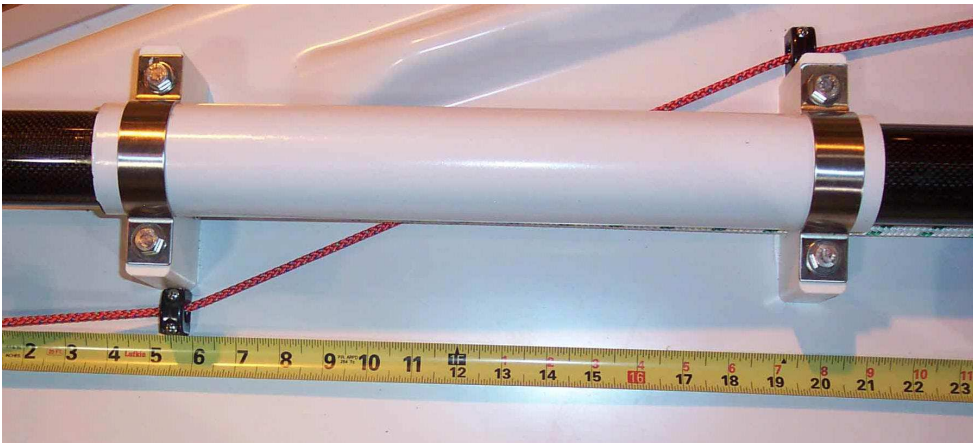
***Watch for pole clearance at the stemhead with the furler drum attached, the outboard end of the fully extended pole should be on centerline and the inboard end of the fully retracted pole should be centered on the stop block.***



3) Mount an eye strap horizontally with a fixed micro block to the aft face of the forward saddle. (This may have been done already.) **Mount both saddles at the same time with the tube sleeve in place!** Mount the forward saddle with 2-5/16" x 4 1/2" hex bolts and hardware provided. **Hint: when drilling through the deck into the fabric head liner do not allow the drill bit to twist up the fabric...slit the fabric with the razor knife and let the backing plate and fender washer cover the slit.**

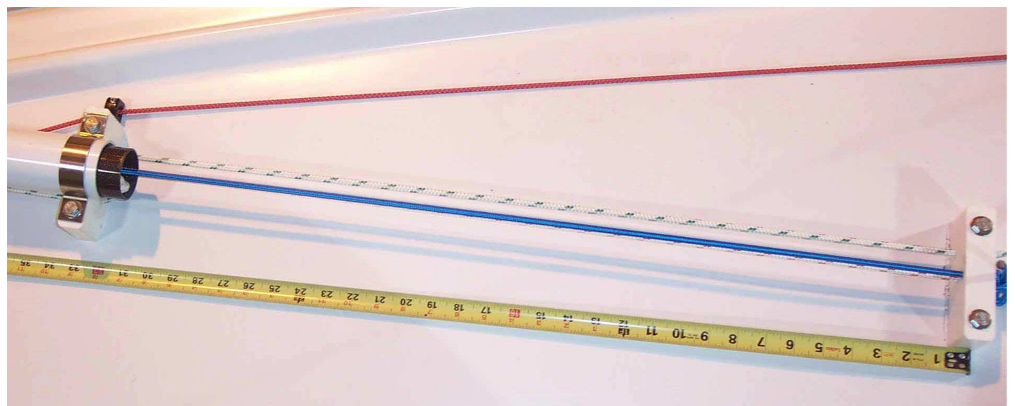
**Note: the procedure for mounting the 2-saddles and the stop block are similar: hex bolt-standard washer-"u" strap-block-deck-backing plate-fender washer-nut.**

4) Mount the removed fairlead just inboard of the forward saddle. **Hint: when mounting fairleads and cam cleats put the screws in the fittings and tap them slightly. Drill the pilot holes with the 1/8" bit.**



5) Mount the aft saddle approximately 13" aft of the forward saddle using 2-5/16" x 4" hex bolts and hardware supplied and one of the supplied fair leads just outboard of it.

6) Mount the pole stop block approximately 33" aft of the aft saddle using 2-5/16" x 4" hex bolts and the hardware supplied.



7) Mount the 2 remaining fairleads approximately 1/2 way up the forward curve of the cabin (about 23" aft of the stop block) and the 2 cam cleats for the spinnaker tack line and the pole out line just outboard and inline with the starboard jib sheet swivel cam cleat.

## Cockpit Hardware

- 1) Mount two stainless eye straps on the top of the coaming 16" forward of the center of the rear cleat. Use the #10 x 3" screws provided and sealant. **Note: Look for the small indent in the plastic at this location.**
- 2) Mount two more stainless eye straps to the top of the coaming 72" forward of the aft eye straps. **Note: Look for the small indent in the plastic at this location.**
- 3) Attach the ratchet blocks with spring to each of the eye straps.

## Running rigging

- 1) Run the furler line through the first fairlead inboard of the forward saddle then through the next one outboard of the aft saddle then aft through the rest of the leads already mounted.
- 2) Run the pole out line into the hole drilled on the inboard end of the pole and tie a stopper knot inside the pole. Run the other end forward through the inboard hole of the aft saddle to the micro block installed on the forward saddle and back through the outboard hole of the aft saddle, through the outboard hole of the stop block through the fair lead and cam cleat.
- 3) Tie a knot in one end of the tack line and run the other end through the center hole in the outboard end of the pole-through the pole-through the lower hole of the stop block and through the fairlead and cam cleat.
- 4) Tie a knot in one end of the pole return shockcord and run the other end through the other hole in the outboard end of the pole-through the pole-through the upper center hole in the stop block and tie a knot there. Adjust it so that it returns the pole to the stop block **without crashing.**

## Mast hardware

- 1) Mount the eye strap for the swivel halyard block on the front of the mast 5" above the top of the forestay tang.
- 2) Mount the pivoting halyard hoisting block w/cam on the starboard side of the mast in place of the small cleat. **Note: you may want to wait until the mast is stepped and see how the halyard leads prior to installing the turning block.**
- 3) Run the halyard up to the swivel block and down to the hoisting block.