

#40998010 - SPINNAKER HARDWARE KIT.

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H-16 #20999000
H-18 #60999000
H-20 #40999000
H-21SE #30999000

PACKAGE CONTENTS:

- * 2 piece pole
- * Pole assembly rivets and halyard hardware
- * Lines, halyard/tack etc.
- * Spinnaker sheeting line and hardware

TOOLS REQUIRED:

- * Drill motor
- * 3/16 bit
- * 15/64 bit
- * 9/64 bit
- * Rivet gun

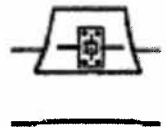
INSTRUCTIONS:

PARTS ASSEMBLY:

- 1) Rivet pole halves together, both bullet blocks (on ends) UP, using 6-4 rivets provided.

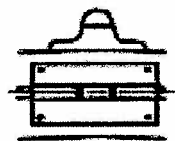
H-16:

- 2) Position x-bar/pole attachment fitting (lower gudgeon) on front of mast step. Place with pin hole horizontal and aligned with lower edge of step. Drill one side with 3/16 bit and rivet in place with two 6-10 rivets. Tap down opposite side with hammer, flush, then drill and rivet.



H-18:

- 2) Position x-bar/pole attachment fitting (H-18 gooseneck) at center of front x-bar. Drill with 3/16 bit and rivet with four 6-6 rivets.



H-20 / H-21SE:

- 2) Position x-bar/pole attachment fitting (lower gudgeon) on front of mast step. Place at center of x-bar with pin hole vertical and 2" below mast step nut. Drill top side with 3/16 bit and rivet in place with two 6-6 rivets. Tap down opposite side with hammer, flush, then drill and rivet.



- 3) Support pole at bridles with 3' shock cord as shown.

- 4) Pin pole end to x-bar fitting.

- 5) Attach pole bridles with shackles. Tension shock cord to support pole.

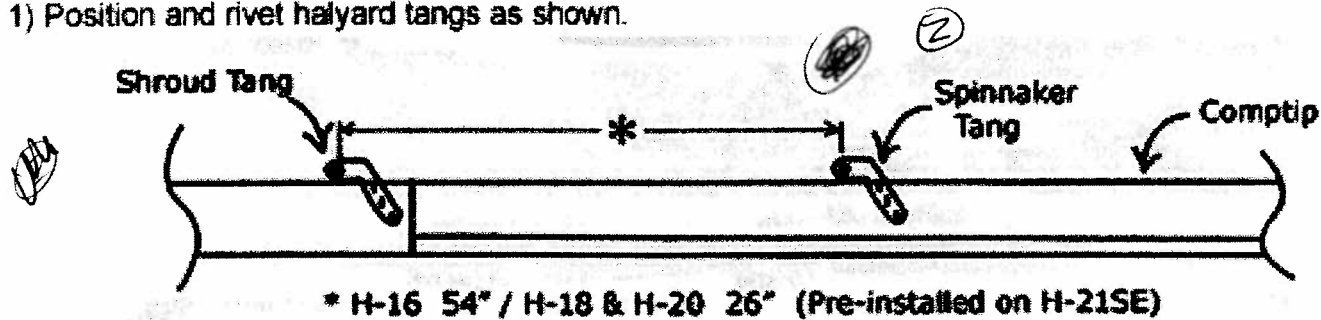


BASIC SPINNAKER SETUP
& USE INSTRUCTIONS
LINK RT:
<http://hobiecat.com/support/products/hobie-16/>



HALYARD:

1) Position and rivet halyard tangs as shown.



* H-16 54" / H-18 & H-20 26" (Pre-installed on H-21SE)

2) H-16 kit may include hoop rather than spinnaker tang. In that case mount hoop at the 54" dimension and the cheek block on center and 16" above hoop.

Note: USA made H16 Spinnakers made before fall of 2007 should only need an above mounting distance of 20" (Standard rigging tang to Spinn halhard tang).

3) Rivet with 6-6 rivets w/caps and silicone.

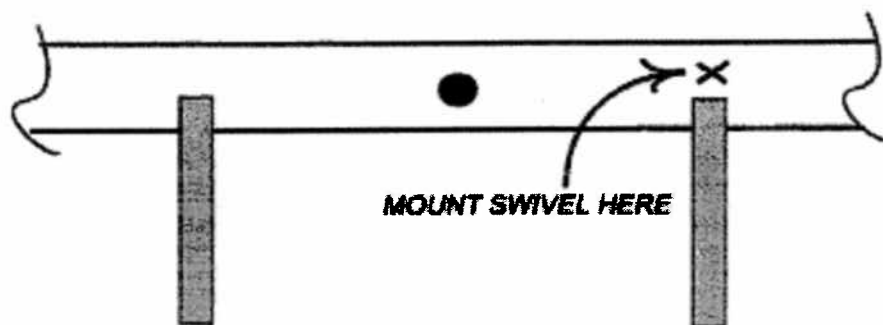
4) Hang swivel block from spinnaker tang.

5) Run halyard line through block. Lead both ends to mast base and tie off. (H16 kit with hoop... Run halyard from base of mast to cheek block then down thru swivel block hung on hoop then back down to mast base and tie off.

6) Step mast.

HALYARD CLEAT:

1) Position swivel cleat and mounting plate on starboard side of front crossbar inline with hiking strap.

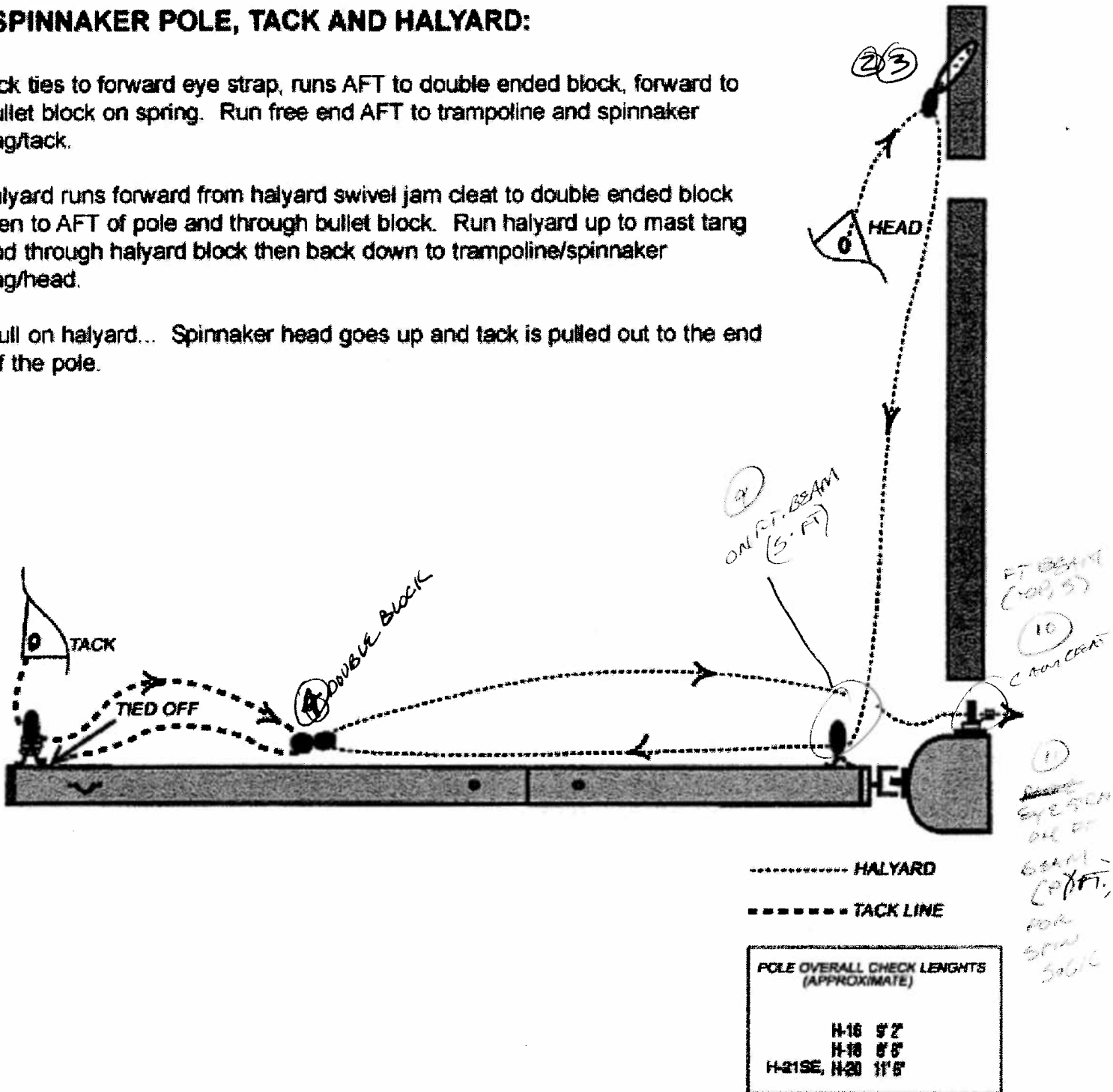


2) Fasten swivel cleat with fasteners supplied.



SPINNAKER POLE, TACK AND HALYARD:

- * Tack ties to forward eye strap, runs AFT to double ended block, forward to bullet block on spring. Run free end AFT to trampoline and spinnaker bag/tack.
- * Halyard runs forward from halyard swivel jam cleat to double ended block then to AFT of pole and through bullet block. Run halyard up to mast tang and through halyard block then back down to trampoline/spinnaker bag/head.
- ** Pull on halyard... Spinnaker head goes up and tack is pulled out to the end of the pole.



NOTE: Be sure double ended block can run freely, fore and aft along pole. Run to starboard of bungee.



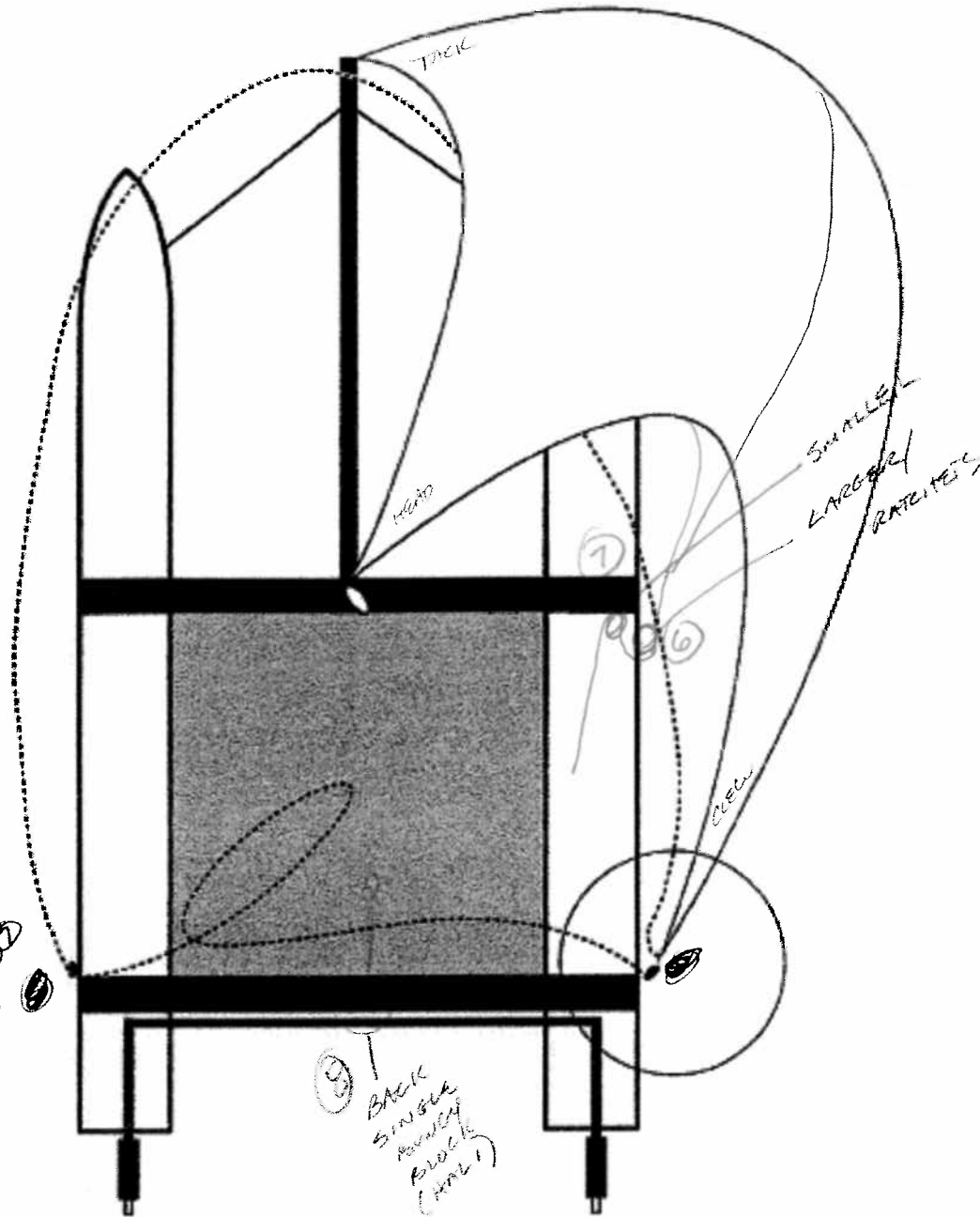
SPINNAKER SHEETS:

Spinnaker sheets run in continuous circle around boat. Start at spinnaker clew and tie with bowline knot. Run sheet through spinnaker block at rear corner of boat. Run sheet across trampoline and through opposite spinnaker block. Lead sheet forward and outside of shroud and in front of forestay. Lead over top of spinnaker pole than aft outboard of shroud. Tie off to clew with bowline.

Tack line should lead back to trampoline over top of sheet before launching.

LAUNCHING:

Spinnaker launches and retrieves between mast and either shroud with all lines feeding forward towards bow. Launch spinnaker on downwind side of boat.



H-16
H-18
H-21-22
DOUBLE BLOCK
4 SHEET BLOCK
BUNGIE BLOCK

BACK SINGLE RING BLOCK (HALL)

M



H-16 Shunt eye strap to rear end of wire halyard. Shackle block to eye strap. Twist on spring as though putting key on key ring. Spring holds block in upright position.



H-18 Shunt eye strap to outboard end of rear crossbar. Shackle block to eye strap. Twist on spring as though putting key on key ring. Spring holds block in upright position.



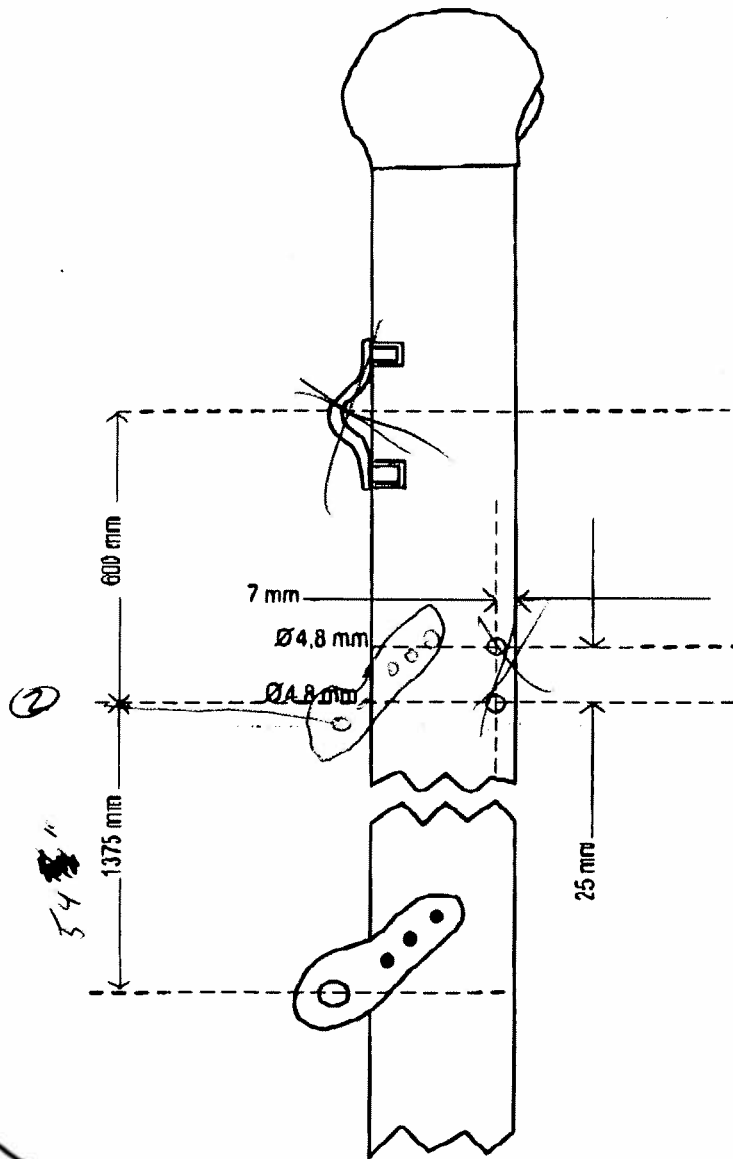
H-21 or H-22 Shunt eye strap to outboard and rear of wing tube. Shackle block to eye strap. Twist on spring as though putting key on key ring. Spring holds block in upright position.



H-25 Tie line through rear crossbar and cap and around bolt. Fasten to block. Hook halyard to trampoline lace line to hold block from water.

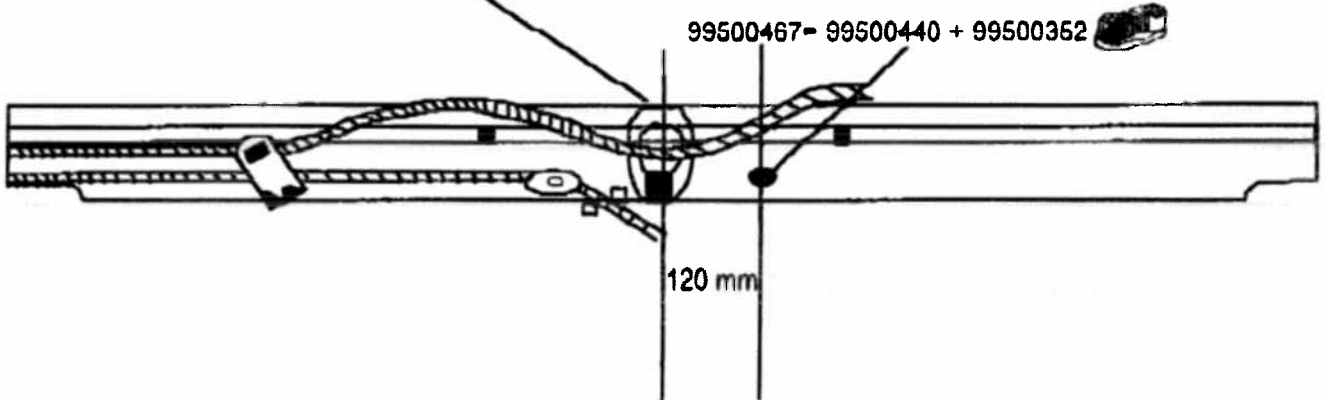


HOBIE CAT 16
Kit de Spinnaker Trumpet
Trumpet Spinnaker kit



16056025

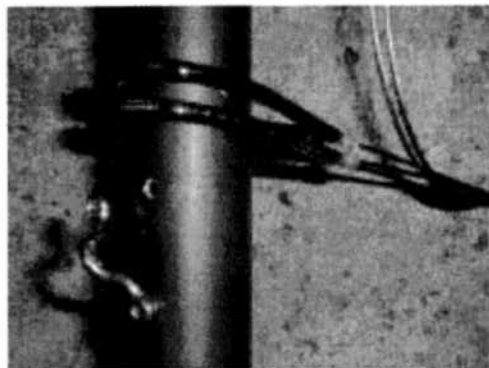
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1. (only in case of adaptation on a standard pole)
Remove the center pole support wires from the spinnaker pole. Do this by either cutting the wire or drilling the head off the rivet, which fixes the pad-eye.

(seulement dans le cas d'adaptation sur un tangon standard) Retirer les câbles de support placés au centre du tangon. Pour cela, vous pouvez soit couper les câbles ou faire sauter la tête du rivet qui fixe le pontet en perçant dedans.



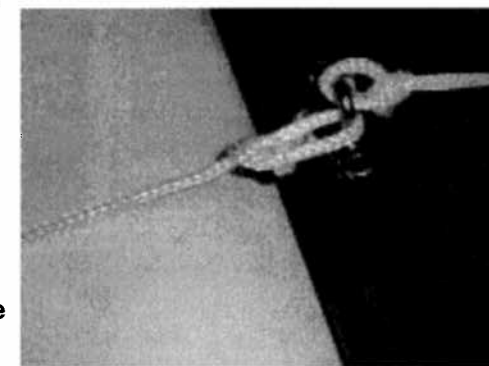
2.
Slide on to the spinnaker pole from the front cross beam end the composite retriever tube. The grooves cut in the moulding simply groove around the fittings on the pole. Disregard the rivets holding the end caps on. The moulding will pass over these rivets with ease. At this stage, it is necessary to mount the pole on the boat before fixing the retriever tube onto the pole.

Insérer le tube trompette sur le tangon, le glisser en remontant de la traverse avant vers l'extrémité du tangon. Le manchon s'adapte autour du tangon et passe aisément au-dessus des rivets. A ce stade il est nécessaire de monter le tangon sur le bateau avant de fixer le tube avaleur.



3.
Attach to the center pole support pad-eye the 2 pieces of spectra supplied. This Spectra replaces the wires as the new center supports.

Attacher au pontet se trouvant au milieu du tangon les deux bouts Spectra fournis. Ces deux bouts Spectra remplacent les câbles de support centraux.

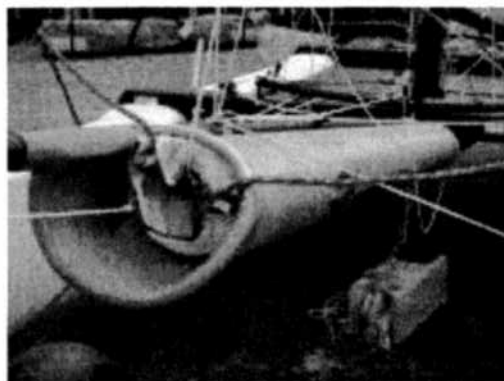


4.
Mount the spinnaker pole on the boat as normal, by using the wires and attachment fittings. Ensure you have tensioned the rig before tensioning the spinnaker pole. Tension the pole in the centre vertically and diagonally as per normal except using the Spectra rope instead of the wire originally supplied. (The Spectra is stronger, lighter, and a lot friendlier to the top of the retriever tube.) Ensure that there is some prebend in the pole. Adequate prebend should be when all the play in retriever mounts is taken up. (They have been made deliberately oversize to allow for pre-bending the spinnaker pole).
Caution: Over bending will cause the retriever tube to buckle and possibly fracture.

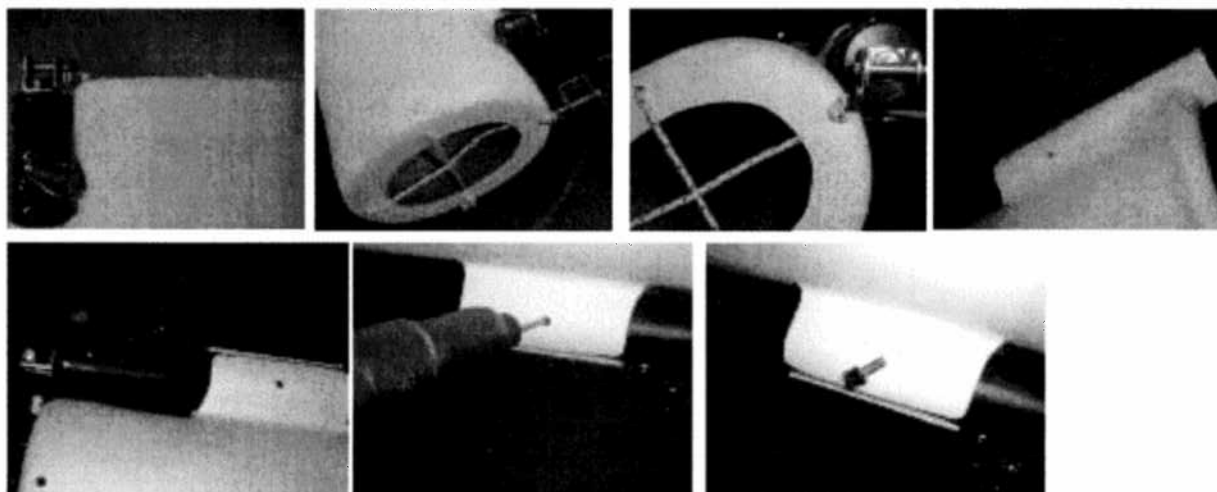
Monter le tangon de spi comme d'habitude en utilisant tous les câbles et soutiens fournis. S'assurer que le gréement est tendu avant de tendre le tangon de spi. Tendre les attaches du tangon verticalement et en diagonale comme à l'accoutumée mais en utilisant les Spectra au lieu des câbles fournis à l'origine (le Spectra est plus résistant, plus léger et passe plus facilement à l'embouchure du tube). Le tangon doit être cintré. Pour un cintrage parfait, il ne doit plus y avoir de jeu dans les cordages (ceux-ci ont été volontairement surdimensionnés afin de permettre ce cintrage). Attention : ne pas tendre exagérément, risque de fracture.

5.

Once both of the supports are on the pole rotate the tube so it sits on the left side. To fix in position you will find 2 self-tapping screws. Use these to fix the retriever tube onto the spinnaker pole. The top of the tube should fit directly under the center pole support bridles (the Spectra ropes). Secure in position as per illustration. Using a 3.2mm drill bit, drill a hole in the spinnaker pole where the already drilled hole is positioned on the retriever tube. Then screw in the self-tappers and tighten securely.

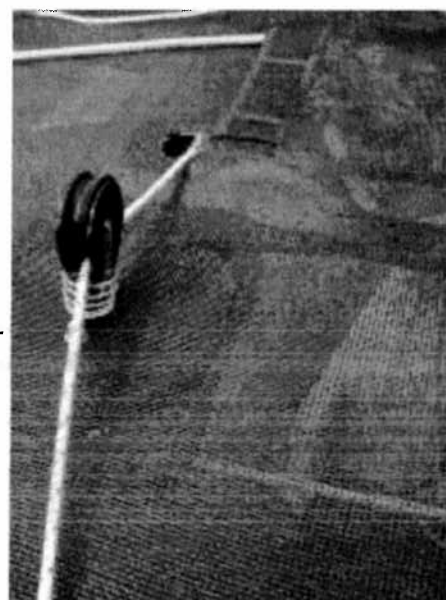


Une fois les deux supports installés sur le tangon, tourner le tube afin qu'il se retrouve sur le côté gauche. Ajuster le haut du tube exactement en dessous des deux cordages Spectra de support comme indiqué sur la photo. Pour le fixer en position vous trouverez deux vis type "Parker". Dans un premier temps mettre en position comme indiqué sur la photo et selon les dimensions fournies. A l'aide d'un foret 3,2 mm percer un trou dans le tangon à travers le trou déjà fait sur le tube. Visser ensuite les deux vis type "Parker" et bien serrer.

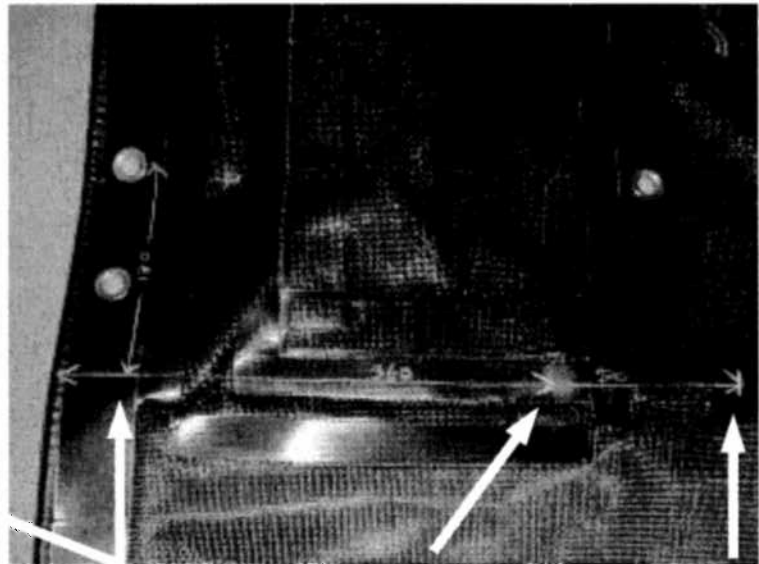
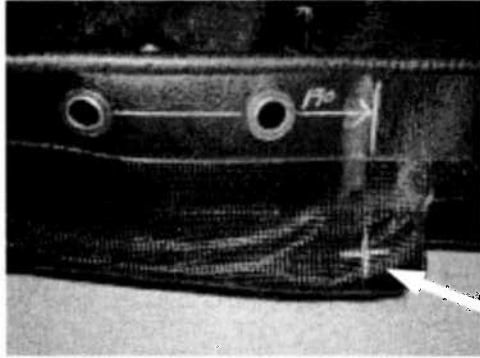


6. **Measure and mark on the trampoline the position to mount the retriever line pulley and plate.** These dimensions are given on the photo on next page. The pulley should position in line with the center of the retriever tube. Punch two small holes in the trampoline for the rivets to pass through. Now fix the pad-eye (together with the spring and pulley) to the plate supplied with the trampoline sandwiched between the two.

Marquer sur le trampolin la position de la poulie de cordage d'avaloir. Voir les dimensions indiquées sur la photo page suivante. La poulie doit se trouver alignée avec le centre du tube d'avaloir. Faire deux petits trous dans le trampolin pour faire passer les rivets. Fixer le pontet (ainsi que le ressort et la poulie) sur la platine fournie. Le trampolin doit se retrouver en sandwich entre les deux.



④
⑤



Run Thread through Trampoline Cleat

Hole/trou

Hole/trou

Pulley/poulie

7.

Cut or punch 2 holes in the trampoline. This is for the halyard/retriever line to pass through and under the trampoline into the tube. Both holes are positioned within the reinforcing of the trampoline pocket. See photographs for positions. Ensure the holes are of a diameter of at least 25mm.

Faire deux autres trous dans le trampoline pour faire passer la drisse sous le trampoline et dans le tube. Les deux trous sont positionnés à l'intérieur du renfort de la poche de trampoline. Voir la photo pour la position. Chaque trou doit avoir une dimension minimum de 25 mm.



8.

Threading the halyard/retriever line. Once you have threaded the tack and halyard lines (as per standard Hobie Cat system) take the dead end of the halyard (which comes through the spinnaker halyard cleat) and pass it through the trampoline mounted pulley in an aft to forward direction. The line then passes through the holes cut in the trampoline in step 7, under the beam and to the composite retriever tube. Using the tiller extension or similar pass the rope through the tube.



5

Installation de la drisse/cordage d'avaleur Une fois les cordages d'amure et la drisse installés

(comme sur un système standard), prendre le bout libre de la drisse (qui sort du taquet de drisse de spi) et le passer dans la poulie sur le trampoline en allant de l'arrière vers l'avant. Passer ensuite ce cordage dans les trous aménagés dans le trampoline à l'étape précédente, sous la traverse et dans le tube. A l'aide du stick ou objet long similaire, passer le cordage à travers tout le tube.

9.

Attaching the spinnaker. Firstly tie the corners of the spinnaker to their respective lines. (ie head-halyard, tack-tack line, clew-sheets.) Then take the retriever line and pass it from the tube in front of the spinnaker sheets through the three spinnaker patches. The line passes all one side of the spinnaker through the rings until the top patch where it passes through and ties with a figure eight knot. At this point if the wind is light hoist the spinnaker and check that all is threaded correctly. Retrieve the spinnaker into the tube now by pulling the line from behind the trampoline mounted pulley. For the first time pull slowly and check that all is well lubricated and running smoothly. The spinnaker will retrieve into the tube completely.

Fixation du spi. Tout d'abord attacher les différents cordages de spi à leurs places respectives, (drisse à la tête, cordage d'amure au point d'amure, et écoute de spi au point d'écoute). Prendre ensuite l'autre extrémité de la drisse qui sert de cordage d'avaleur et qui sort du tube et en le passant devant l'écoute de spi, l'insérer successivement dans les trois patchs se trouvant sur le spi et l'attacher au dernier anneau par un noeud en 8. A ce stage si le vent est léger, hisser le spi et vérifier que tous les cordages sont correctement attachés. Pour rentrer ensuite le spi dans le tube, tirer sur le cordage à l'arrière de la poulie montée sur le trampoline. La première fois, effectuer la manoeuvre lentement et assurez vous que tout est bien fluide et coulisse en douceur.

10.

Further ensure that the all the sharp edges, rings and anything that can get caught on the spinnaker is taped very well and nothing can catch or tear the spinnaker.

Enfin, s'assurer que tous les points de frottement, anneaux, etc... qui pourraient se trouver en contact avec le spi sont soigneusement recouverts de ruban autocollant afin que rien ne soit susceptible de déchirer le spi pendant les manoeuvres.

