

ASSEMBLY MANUAL



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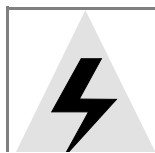
Tools necessary :

- ⇒ 2 spanners - No. 17
- ⇒ 1 pair of universal pliers

It is advisable to have at least 2 people to assemble the Hobie Fox .

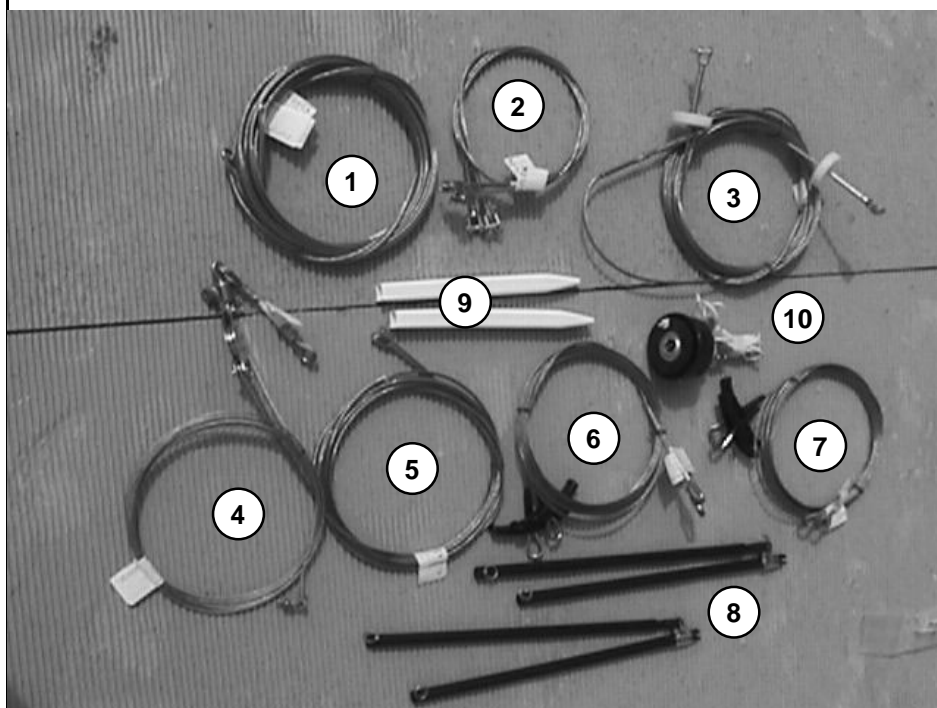
**LIST OF PARTS**

Hulls (2)	Daggerboards (2)
Front crossbar	Ropes bag
Rear crossbar	Rudder assemblies (2)
Mast	Tiller crossbar
Boom	Tiller extension
Trampoline & rod	Mainsail + battens (7)
Rigging bag	Jib
Wire bag	Spinnaker kit + spinnaker (optional)



CAUTION - DANGER
ALUMINIUM MAST - STAY AWAY OF
ELECTRICAL WIRES

LIST OF PARTS



WIRES :

1. Shrouds
2. Bridles
3. Spreader diamond wires
- 4.5. Jib halyard + forestay
- 6.7. Trapeze wires
8. Spreader assembly
9. Stay adjuster cover
10. Jib furler

ROPES :

All ropes are labelled with ref. number and name. Please check carefully before using.

1. Righting line (white)
2. Trapeze shock cord
3. Jib sheet (yellow)
4. cunningham line (red)
5. Mainshjeet (black and yellow)
6. Jib halyard rope
7. Jib luff tensioner line
8. Rotation line
9. Jib sheet tangle preventor



- 1** Position the hulls in parallel with the inner sides facing the ground.

Lift the right hull. One person straddles the hull to hold it in place. The other person applies the silicone sealant (for waterproofing) around the screw holes.



- 2** Take the front crossbar (with dolphin striker). Place it in its support so that the trampoline track faces the rear of the boat. Insert the two bolts. Pass your hand through the inspection port to position the nuts and washers onto the screws (photo). Fasten loosely.

Lift the left hull, and follow the same steps as for the right hull. Do not fully tighten the screws.

*****Respect same order for the washers as assembled at the delivery*****

- 3** Apply silicone sealant around the screw holes at the back of the hulls. Place the rear crossbar on the right side. Insert the bolts, washers and nuts as shown for the front crossbar. Do the same thing for the left side.

Once the frame has been mounted, tighten all the bolts fully and then install the lock nuts.



NB : it is advisable to check the fastening of the bolts after the first trip out onto the water, and recheck these at regular intervals.

TRAMPOLINE ASSEMBLY



- 1** Unfold the trampoline and insert the front sealed edge part of the trampoline into the trampoline track of the front crossbar. →

NB: To ease feeding the trampoline into the track and hull cut-outs liquid soap may be used. Be sure to wash off before sailing.

- 2** Insert the right and left-hand rear corners of the trampoline into the corresponding cut-outs in the hull. Pull back evenly. ↓



- 3** When the trampoline is pulled all the way to the back of the boat insert the fibreglass-lacing rod into the rear flap.



- 4** Commence lacing and tensioning the trampoline. The lacing line ties off and starts on the rod at the rear left. Pass it around the far left lacing post and back around the rod in the first cut out. Now bring the line once more around the 1st lacing post and lead to the 2nd lacing post. The line then passed around the lacing rod and is led back to the 2nd lacing post. Pass it behind the line and head towards the 3rd lacing post. Continue all the way across in the same manner. ↓



5

When the trampoline is tensioned evenly tie off the lacing at the right hand rear corner.



NB : The trampoline must be tight.

RUDDER ASSEMBLY



- 1** Identify the right rudder from the left rudder (green sticker = right ; red sticker = left)

Take the left rudder, place the washers as shown in the photo, then align the rudder casting onto the gudgeon.



- 2** insert the rudder pin, and do not forget to put in the two split rings: one on top and one at the bottom of the rudder pin.



- 3** Repeat the procedure for the right rudder assembly.



- 1** Take the tiller crossbar and insert the right side into the right rudder arm and the left side into the left rudder arm.



- 2** Take the yoke connection of the tiller extension and fix it into the middle of the tiller crossbar

- 3** Then fix the tiller head into the yoke connection as shown on the photo.

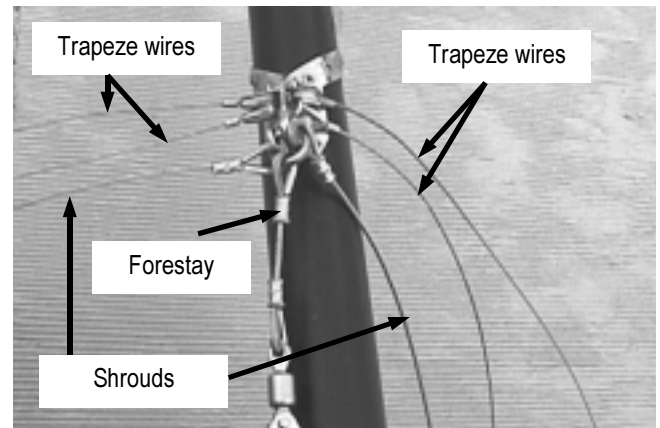


MAST SET UP

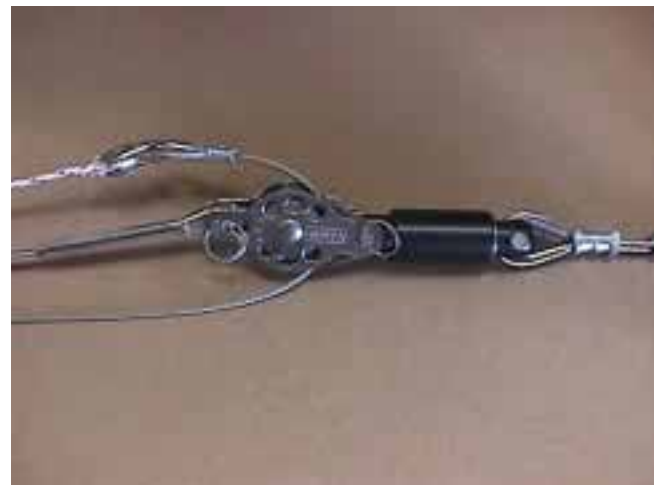


- 1** Place the mast onto two supports or padding.

Unroll the trapeze wires and fix them using the 6 mm bow shackle to the upper hole on the mast tang (two on each side).



- 2** Unroll the shrouds and the forestay wire (with the jib halyard block) and fix them to the lower hole of the mast tang using the 8 mm bow shackle. The shrouds go onto each side of the forestay.



- 3** **IMPORTANT:** Do not forget to attach the jib halyard rope to the small single block at the end of the jib halyard wire. Tie off the jib halyard wire and rope near the base of the mast.

NB: If you have chosen the optional spinnaker kit, fit the spinnaker halyard now, passing it behind the halyard yoke and around the pulley. Both ends then go over the shrouds and trapeze wires. One end of the halyard passes between the spreader arm and brace on the starboard side of the mast. Secure both ends near the base of the mast.



- 1 Unroll the diamond wires. Unwind the top of the large turnbuckle all the way – leave 6 or so threads so it does not come apart.

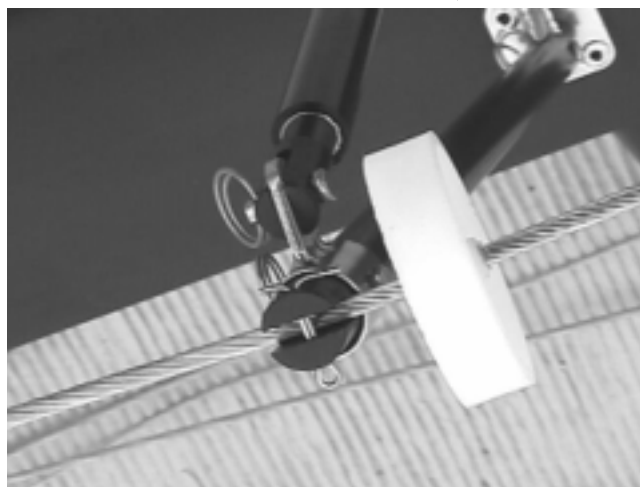
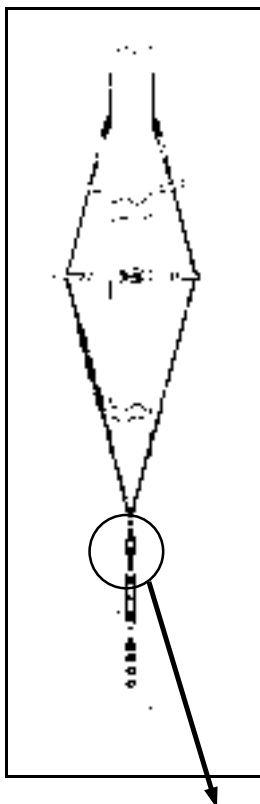
Attach the thimble at the bottom of the diamond wire to the top of the turnbuckle.

NB: It is a good idea to equalise the length of the two sides of the diamond wire by adjusting the small turnbuckle.



- 2 Assemble the spreaders onto the spreader roots on the mast using the clevis pins and split rings.

The spreader brace (the longest part) is fixed to the front of the mast and the spreader arm (shortest) to the back.



- 3 Slide the diamond Wires into the slots at the end of the spreaders. Ensure the plastic disk (jib protection) is mounted above the spreader. Secure the diamond wire with the cotter pins provided.

Advice: Cover all split rings and pins on the spreader bars with ducting or amalgamating tape. Wrap some tape on the wire above the disk to prevent it riding up the wire.

- 4 Attach the terminal fork ends to the diamond tangs mounted just below the shroud tang. Tape these pins up as well.

Wind in the desired tension. Make sure that all locking nuts are tightened after tension/rake is set.

PREPARATION FOR MAST ASSEMBLY



- 1** Lay the mast on top of the boat with the sail track to the bottom and the mast base toward the bows.

NB: place padding under the mast to prevent scratching.

- 2** Lay the shroud wires and trapeze wires down each side of the mast. Secure the trapeze wires temporarily near the base of the mast.



- 3** Ensure that the shroud anchor pins are sealed, tight and pointing at 90° to the centreline of the hull. Attach the twist toggles to the anchor pins using the clevis pins and rings. If you have the optional spinaker kit use the 6-mm bow shackles provided instead of the clevis pins.

Attach the stay adjusters to the twist toggles with the clevis pins and rings.

Attach both shrouds into the top hole of the respective stay adjusters. This is only a temporary position for raising the mast.

- 4** Attach the bridle wires to the bow tangs. →

Now, attach the jib furler to the bridle wires.



NB: Ensure that the hole in the furler housing is facing towards the front crossbar. Now also is a good time to roll some line onto the furler drum. Leave enough line unfurled to reach the front crossbar mounted furler cleat.



1 Place the mast foot on the mast base and place the pin in it. This prevents the mast from leaving its base when lifted.

Check that the wires are not tangled.



2 Then, with one person on the trampoline, the second person lifts the mast by the top and moves down the mast until the person on the trampoline can take the mast on their shoulder. Then this person pushes his feet against the rear crossbar and pushes the mast forward with the weight of his body. The first person is to push the mast up as far as possible, walking ahead on the trampoline as the mast is raised.



3 The second person can now take the forestay, make sure it is not tangled and pin it into one of the top holes of the furler mounted stay adjuster.



4 Once the mast is secure remove the bolt from the base of the mast and stow it in a secure place. You will need the bolt later for safe lowering of the mast.



5 Now you can affix the Cunningham blocks to the brackets on each side of the mast.

NB: FOR THE FIRST FEW TIMES YOU RAISE THE MAST IT IS RECOMMENDED YOU USE 3 PEOPLE FOR EXTRA SAFETY.

TRAPEZE



- 1** Release the trapeze wires from the base of the mast. The crew's trapeze has the clamcleat swaged to the wire. The skipper's trapeze has the small block swaged on. Ensure that the crew's trapeze wire is positioned in front of the shroud.

Attach the trapeze handles and kits to the trapeze wires.

CREW TRAPEZE



SKIPPER TRAPEZE



- 2** Pass the trapeze shock cords (the crew's is slightly longer than the skipper's) underneath the trampoline and up through the grommets at the side of the trampoline. Attach to the trapeze system as shown in the photographs.

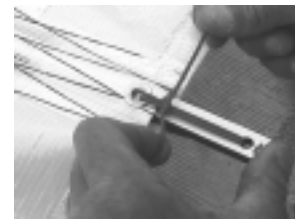
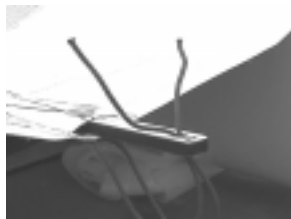
- 1 Connect the boom to the mast using the hinge vertex, clevis pin and split ring.



- 2 Tie one end of the rotation line to the front of the clamcleat on top of the boom. Pass the other end of the line through the end of the rotation arm on the mast. Take the line back through the clamcleat and fit a plastic ball stopper at the end.



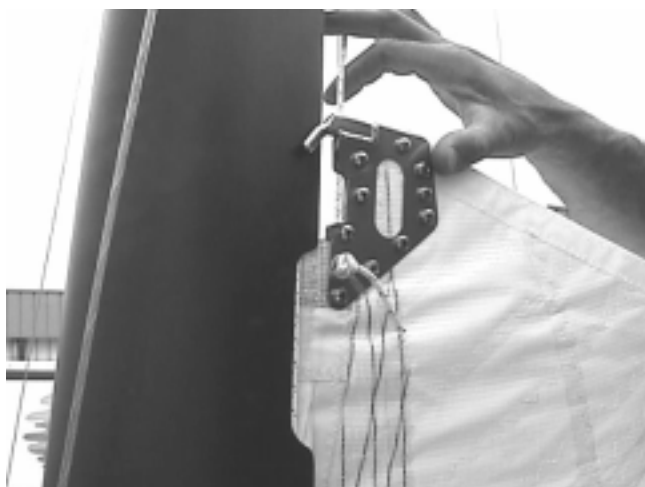
MAINSAIL



1 * Always point your Hobie into the wind before raising the sails. *

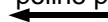
Unfold the mainsail on a clean surface and insert each batten into its respective pocket. The battens are numbered from 1 to 7. Number 1 goes at the top and number 7 at the bottom of the sail. Secure the battens in the pockets with the batten ties – as shown in the photographs.

2 Undo the halyard rope, which is attached to the mast. Pass the end through the hole in the headboard and tie off with a figure «8» knot.



3 Feed the luff of the mainsail into the opening of the mast track ensuring that the hook is on one side of the mast and the halyard on the other side. Ensure that the halyard inside the track stays inside the track.

Raise the sail by pulling the halyard and feeding the sail into the opening. When the sail is all the way up turn the mast slightly so that the hook will engage in the halyard lock when you pull down on the sail. Insert the bottom part of the luff into the lower section of the mast track. Roll up the halyard and place it in the trampoline pocket.



4 Attach the clew of the mainsail to the shackle on the boom outhaul car assembly.

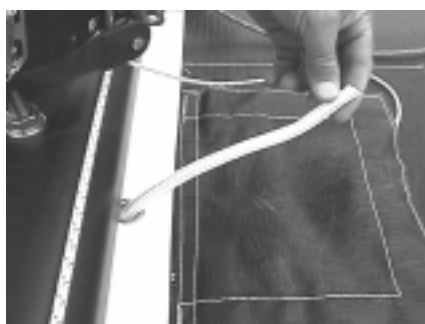
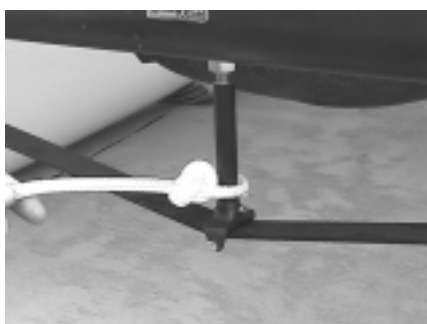




1 Shackle the cunningham blocks into the grommet of the mainsail tack. Take the cunningham line and feed as follows : (NB : the line must go through the inside of the rotation arm)

- Start from the cunningham block on the left side of the mast. Feed the rope into the cleat around the sheave
- push the cord up through the first sheave of the left block from back to front
- take the rope back down, thread it through the left sheave at the base of the mast from front to back
- take it up through the second sheave of the left block from back to front
- take it back down and through the single block,
- take it back up into the first sheave of the right hand block from front to back
- take it back down through the sheave at the right of the mast base from back to front
- take it up through the second sheave in the right block from front to back
- finally thread the line through the cunningham block and in the cleat.

Attach each end of the cunningham line to the shrouds.



2 Take the righting line from the rope bag. Attach it to the dolphin striker post under the front crossbar (photo). Pass it under the trampoline through the grommet at the base of the mast. Fold up the end of the line and stow it in the trampoline pocket at the base of the mast.



1 Unroll the jib and open the zipper on the luff. Using the 4mm bow shackle connect the tack to the stay adjuster.



2 Shackle the two clew blocks to the clew plate using the 4mm bow shackle provided.



3 Shackle the jib head to the jib halyard. Then position the jib and the halyard line against the forestay.

Close the zipper ensuring that the halyard line remains inside the zipper. As you pull down on the halyard line close the zipper as the sail is raised.



4 Once the jib is fully raised, take the jib luff tensioner line and secure it to the bottom holes in the stay adjuster.

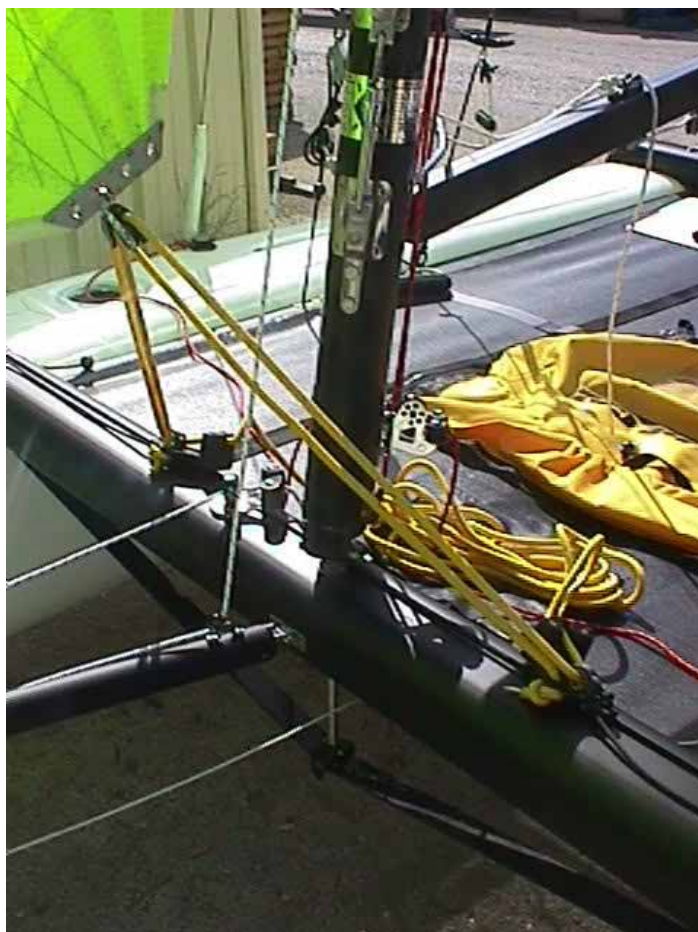
6 Now pass the line through the small pulley at the end of the jib halyard, then back down through the cleat on the tack of the jib. Now remove the jib halyard line and stow it in the trampoline pocket.



- 1 Take the jib sheet (yellow) push one end down through the hole at the front of the jib car plate and tie off with a figure «8» knot.



- 2 Take the other end of the sheet and pass it through the corresponding jib clew block and then back down through the fairlead on the jib car.



- 3 Pass the sheet line behind the mast (but above the cunningham lines) and duplicate process for the other jib car and clew block.

MAIN SHEET SYSTEM



- 1** Your mainsheet system has been pre-assembled for you. If you have problems ask your dealer. →



- 2** Shackle the boom block to the boom block hanger. ←



- 3** Shackle the main-sheet ratchet block to the top of the main traveller car. →



- 4** Thread the tail of the main sheet through the swivel cleat assy on the rear beam, through the sheaves on the traveller car, down through the eyestay on the rear of the beam and tie a figure «8» knot in the end. ↓



- 1** Install the drain plugs – do not overtighten, hand tight is sufficient. Overtightening may cause the drain plug flange to distort and cause leakage.



- 2** Tension the rig. This can be accomplished by having your assistant hang from the trapeze or you can use mainsheet tension on one side at a time so that you can adjust the shroud position in the side stay adjusters.

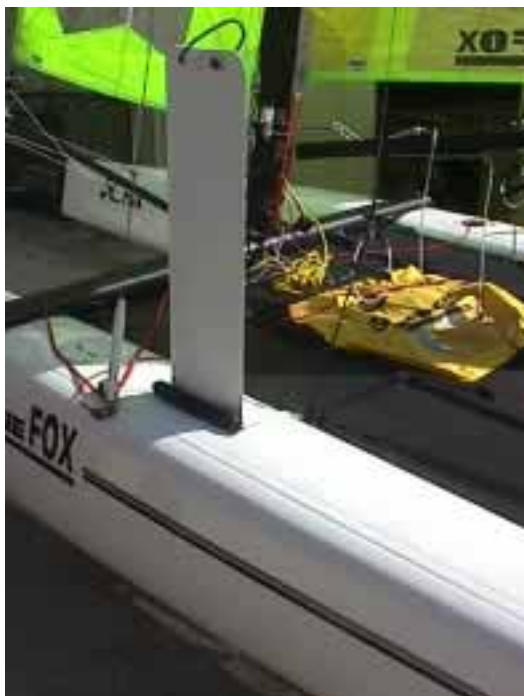


- 3** Fit the daggerboards into the daggerboards wells. The daggerboard roller shock cord should be tight enough to prevent the daggerboard from slipping down.



- 4** It is recommended that beach rollers be used to move your Hobie Fox. This will save your back and the bottom of the boat.

- 5** Always wash traveller with fresh water after use in salty water.



Always wear your Hobie buoyancy vest, look out for overhead power lines and HAVE LOTS OF FUN!

SPINNAKER KIT



- 1** Your spinnaker kit includes 4 ratchet blocks. Fit the two «ratchamatic» blocks to the 6mm bow shackles at the bottom of the stay adjusters. Fit the two blocks with the «on/off» switch to the eyestraps on the front crossbar.



- 2** Attach the spinnaker pole to the tang on the front crossbeam.



- 3** Now attach the spinnaker pole bridles and the mid pole support wires to the small hole in the bow tang.



- 4** Use the small length of 3mm line to hold up and induce some pre-bend into the pole. Enough tension must be used as to take the slack out of the mid pole support wires.

- 5** One end of the tack line ties off at the eyestraps at the front tip of the pole. Lead the line through one of the sister blocks and back out through the block at the pole tip. Then take the line over all the bridles and wires to the trampoline and tie off to the spinnaker tack.





6 Untie the spinnaker halyard from the base of the mast. Taking the end of the piece that runs through the spreaders lead it through the block at the inner end of the pole. Then pass it through the sister block and lead it back to the swivel cam cleat on the front crossbar. Put a plastic ball stopper on this end.

NB: The tack line, sister blocks and this end of the halyard should hang below all the wires.



7 Tie the other end of the spinnaker halyard to the head of the spinnaker.



8 The spinnaker sheet (red) can now be rigged as per the schematic. Tie both ends of the spinnaker sheet to the clew of the spinnaker using either bowline knots or figure «8» knots.

NB: ensure that the spinnaker sheet runs through the ratchet blocks in the right direction.

9 Stow the spinnaker in the spinnaker bag on the trampoline.



10 If the wind is not too strong a trial spinnaker set and drop is recommended on the beach before you try it on the water.

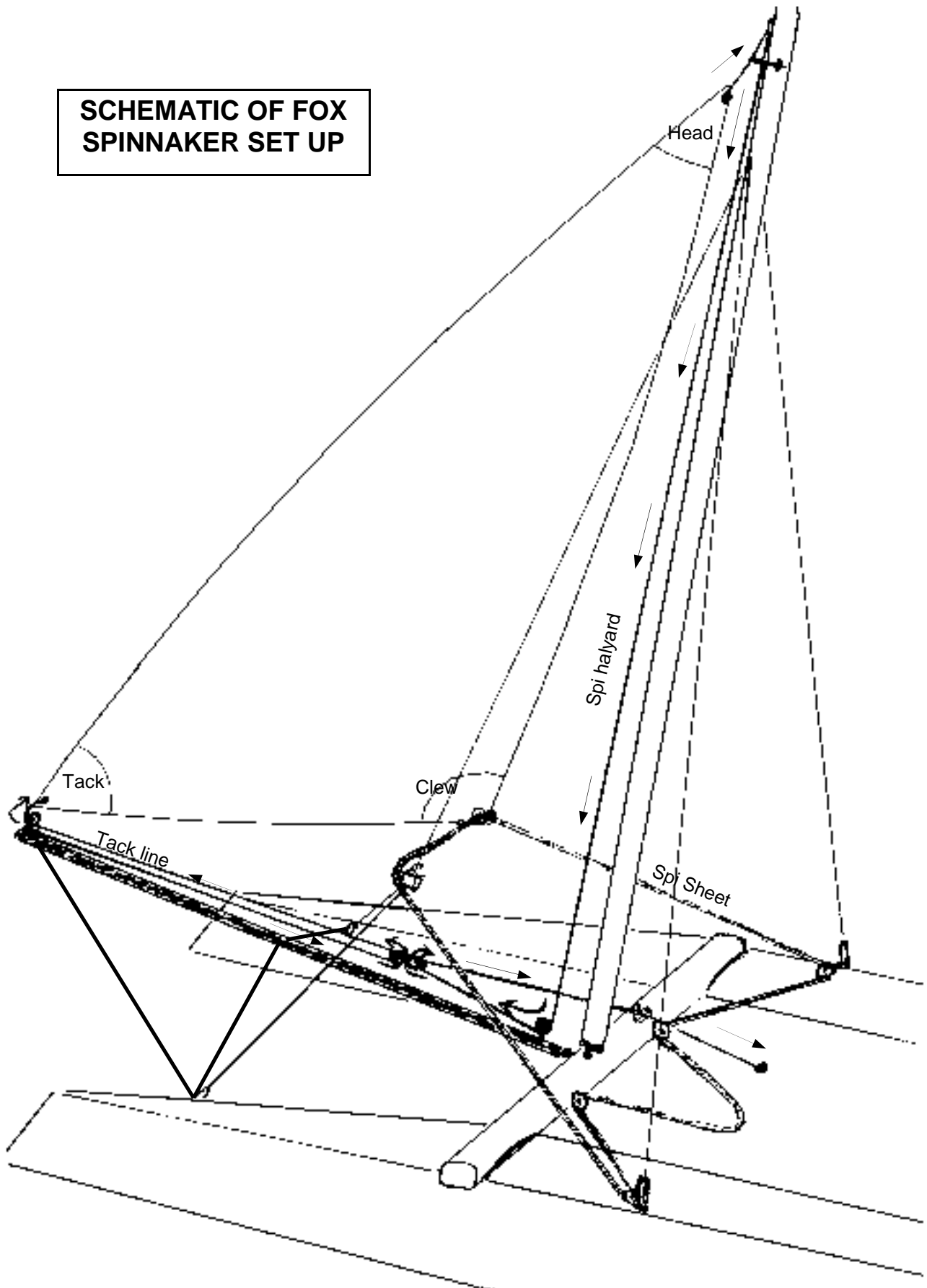


11 Go do the «wild thing».

SPINNAKER KIT



**SCHEMATIC OF FOX
SPINNAKER SET UP**



CAUTION / SAFETY TIPS

- ♦ Whether on land or on the water, **watch for overhead power lines.** Contact with power lines can cause serious injury or death.
- ♦ **DO NOT** sail while under the influence of alcohol and/or drugs
- ♦ Only sail in conditions in which you feel comfortable and where you feel confident that you can safely sail the boat. **Never go out in conditions beyond your ability.**
- ♦ Everyone on board should **wear a life jacket at all times.**
- ♦ If you are in the water, remain in contact with the boat, even if it is capsized. A sailboat can drift away faster than a person can swim.
- ♦ Never sail without a righting line.
- ♦ **Wear appropriate clothes.** Wear a wet suit or dry suit in cold weather or cold water conditions.
- ♦ Learn the **right of way rules** and when in doubt, give way to others.
- ♦ When not sailing, always **keep the boat pointed into the wind** whether in the water or on the beach.
- ♦ Read the instruction manual carefully.
- ♦ **Make sure everyone on the boat reads and understands these safety instructions.**
- ♦ **ALWAYS** check that the **drain plugs** are screwed in before launching your catamaran
- ♦ **ALWAYS** HAVE FUN !!