



Mise à jour/Last up-date : June 2003

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Tools necessary

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

It is advisable to be at least 2 people to assemble the Hobie Tiger .

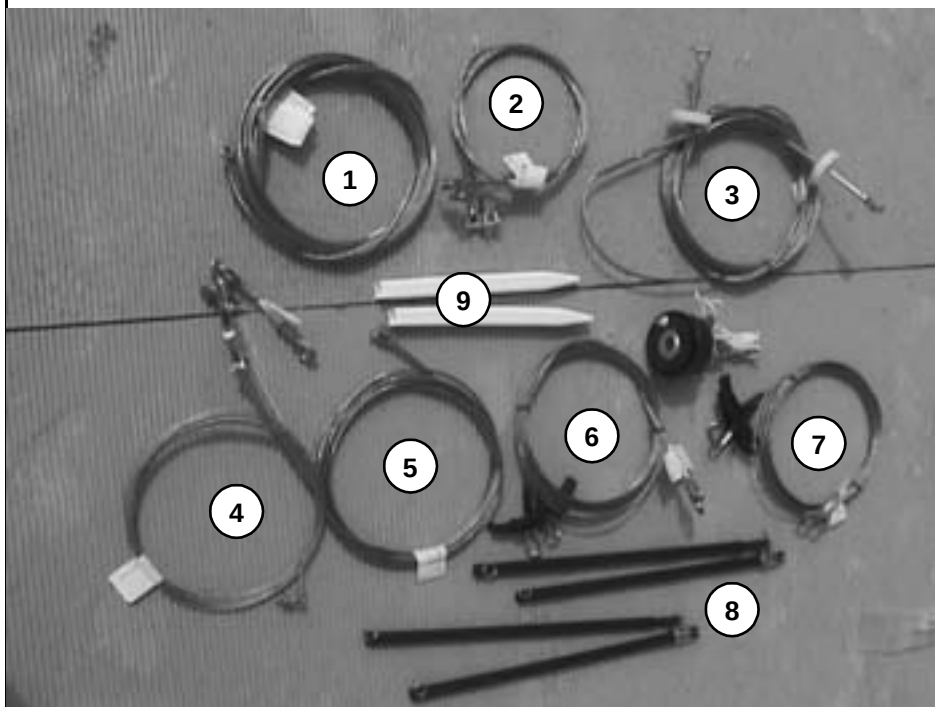
LIST OF PARTS

Hulls (2)
Front crossbar
Rear crossbar
Mast
Boom
Trampoline
Part bag (wires)
Rigging bag
Ropes bag
Rudder assemblies (2)
Tiller crossbar
Tiller extension
Mainsail + battens (7)
Jib
Trampoline lacing rod
Daggerboards (2)



CAUTION - DANGER ALUMINIUM
MAST - STAY AWAY OF
ELECTRICAL WIRES

List of parts



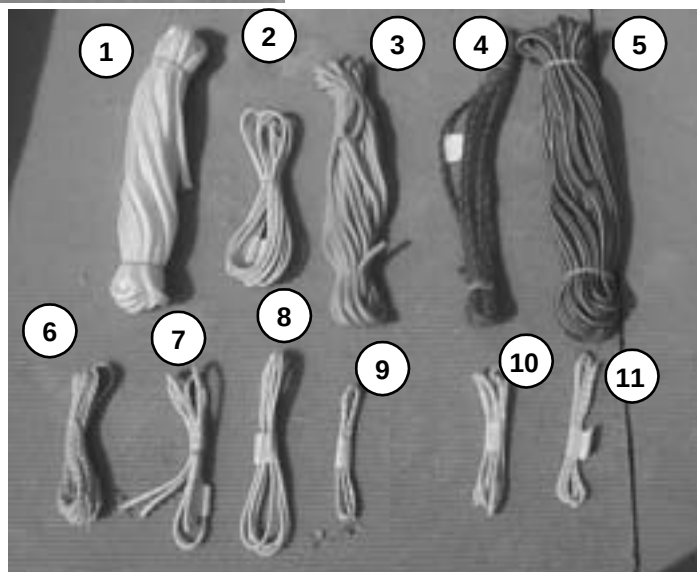
WIRES :

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

ROPES :

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

1. Righting line (white)
2. Trapeze shock cord (white)
3. Jib sheet (yellow)
4. cunningham line (red)
5. Mainshjeet (black and yellow)
6. Jib halyard rope
7. 10. Rotation line
8. jib sheet shock cord
9. Jib clew line
11. Bout étarquage de foc



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.



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



1 Unfold the trampoline. Note that the side tension lines are prethreaded. Insert the front sealed bolt rope edge into the trampoline track of the front crossbar. Continue feeding the trampoline into the trampoline track and position it in the centre. Line up the grommet in the centre of the front edge of the trampoline with the dolphin striker

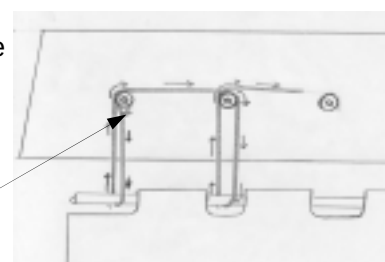


2 Pull the trampoline to the back of the boat and insert the fibreglass rod into the rear flap of the trampoline. Leave an equal amount protruding from each side.



3 Commence lacing the rear of the trampoline. The lacing line ties off on the lacing post at the left rear of the rear beam. Pass the line around the rod and back around the first lacing post. Lead the line around the second lacing post and pass it around the rod on the first trampoline cut out. Now, come back around the second lacing post and continue towards the third. Continue all the way across the beam in the same fashion and tie off loosely. Do not attempt to tighten the rear lacing too much at this stage.

Beginning



4 Tensioning the sides : starting at the right rear corner, take the line that emerges from the trampoline. Lead it through the eye strap on the rear beam and

then through the grommet/eyelet. Tie it off with a bowline knot or similar.

5 Move to the front right corner of the trampoline. Pull on the line as firmly as possible and tie a bowline knot or loop in the line as close to the trampoline edge as possible.

This will enable a 2:1 purchase to be used for tensioning. Tie off once tensioned to secure.



6 Now lead the end of the line through the eyestraps on the rear of the front beam and back through the loop. Lead the end back through the eyestraps and apply as much tension as possible. Maintaining the tension, lead the line through the grommet and back to the eyestraps. Next, lead the line through the grommet in the front edge of the trampoline and tie off securely. Repeat procedure for port side.





- 7** Retighten rear lacing from left to right. Tie the rear lacing off securely at the eyelet posts on the right hand end of the rear beam. NB : It is important that the trampoline lacing is kept very tight.



NB : Check the trampoline tension on a regular basis.
Remember : all ropes stretch!

Rudder assembly



1

Identify the right rudder from the left rudder (green sticker = right ; red sticker = left)
Take the left rudder, and align the upper rudder casting onto the rear 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.



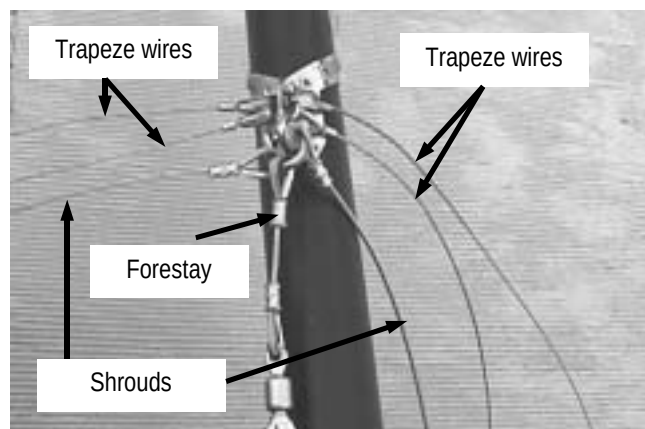
Mast Set-up



1

Place the mast onto two supports (eg: two pieces of polystyrene).

Unroll the trapeze wires and fix them using a 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 a shackle. The shrouds go onto each side of the forestay.

3

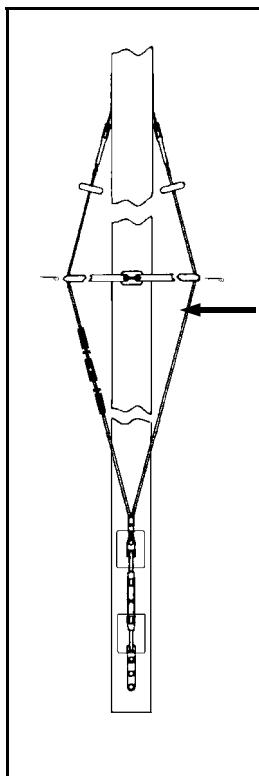
IMPORTANT : Do not forget to attach the jib halyard rope to the small single block at the end of the jib halyard wire. Tie off the jib halyard wire and rope near the base of the mast.



1

Unroll the diamond wires. Attach the joint end of the diamond wires onto the turnbuckle adjuster near the base of the mast (level with the security sticker) using the pin and split ring.

Take the loose ends of the diamond wires and hold tight to adjust to the same length, using the turnbuckle adjuster which is located on the lower section of one of the wires. Once they are the same length, attach the two wires to the shield plaes situated on each side of the mast under the mast tang.

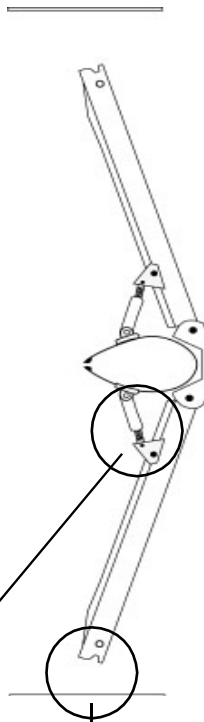


2

Assemble the spreaders on the centre of the mast. The spreader root attaches to the front of the mast section onto the one-piece stainless steel strap. The spreader rake adjuster barrel attaches on each side to the individual fittings on both sides of the mast nearer the sail track. To adjust the spreader rake, adjust the length of the barrel (by winding in or out) and measure from the wire positions at the tips of each spreader.



Caution : do not try to adjust spreader rake while diamond wires are tensioned. Only adjust under no diamond wire tension and screwing the barrel by hand.



3

Slide the diamond Wires into the corresponding slots at the end of the spreaders. Ensure the black plastic roller is above the spreader arm. It may be necessary to release tension from the diamond wire turnbuckle adjuster near the base of the mast. Secure the diamond wire with the thin wire supplied. Pass the wire through the small hole near the spreader tip, bend the wire and on one side of the spreader turn the wire around the thicker diamond wires two or three times. Do the same for the other side of the spreader. Cut off the excess thin wire ensuring it is bent neatly onto the diamond wires as to prevent the wire from tearing the sails. Once secured, tape over the spreader tips to further ensure there are no sharp edges.



Mast Set-up



1

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



4

Attach the bridle wires to the bow tangs.



raising the mast.

5

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.



CAUTION - DANGER - ALUMINIUM MAST
STAY AWAY OF
ELECTRICAL WIRES



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. Once the mast is secured, remove the pin from the base of the



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 1st time 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. 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



SKIPPER



2

Pass the trapeze shock cords 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

Slide the outboard end of the boom through the webbing loop attached to the clew of the mainsail.



2

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



3

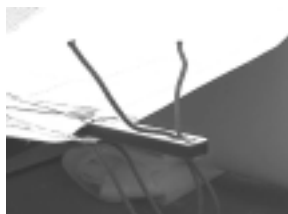
Connect the shackle on the boom outhaul line to the grommet in the clew of the mainsail.



4

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.





1

Always point your Hobie directly into the wind before you raise the mainsail. Unfold the mainsail onto the trampoline and insert each batten into its respective pocket. The battens are numbered (from 1 to 7) the smallest (N° 1) goes at the top of the sail and the longest (N° 7) at the bottom of the sail. Attach the batten end caps with the batten lines as shown on the photos.

2

Undo the main halyard rope which is rolled around the mast. Pass one end through the hole in the mainsail head plate and stop with a 8 figure knot.



3

Go onto the trampoline. 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 rope on the other side. Raise the mainsail by pulling the halyard and feeding the sail until it reaches the top. When the sail is all the way up, turn the mast slightly to the left in order to hook on the mainsail. Insert the bottom end of the luff into the base of the mast track. Roll up the halyard rope and place it into the pocket on the trampoline at the foot of the mast.



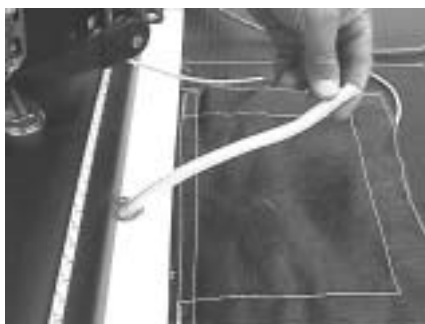


1

Attach the cunningham blocks (with the hooks) 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.



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.

5

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. Remove the jib halyard line and stow it in the trampoline pocket.



Jib sheet (self tacking system)

- 6** Now take the yellow thicker sheet rope and starting from one swivel cam cleat on the front crossbar pass the rope under the thinner white spectra rope through the middle size pulley (2) and back to the other side swiveling cam cleat (also on the front crossbar). Once the jib is hoisted, attach the carbo block (5) with shackle to the jib clew and use the yellow sheet rope to trim.



- 5** This spectra then passes through the other carbo block (also supplied in kit which attaches with shackle to the jib clew) and then ties off to the carbo block mounted on the traveller car. Tie a bowline knot through the hole in the middle of the pulley.

- 2** Take the white spectra rope and to one end tie on to the top of the middle size block.



- 3** Lead the other end of this rope through the smaller pulley that was shackled to the spinnaker pole in step 1.



- 1** Firstly, attach the smallest pulley supplied in the kit to the spinnaker pole centre pad eye (also where the centre supports attach for the spinnaker pole). Attach this pulley with one of the shackles supplied.

- 4** then back to the carbo pulley attached to the traveller car on the self-tacking track.



Further Suggestions

- ⇒ To furl the jib you will need to untie the knot on the traveller car for the jib and tie the sheet off to the jib clew block. Otherwise the jib will not furl completely.
- ⇒ As the track is mounted on the front section of the beam you may find that the hole you use on the jib clew board may now have to become one of the lower, more forward holes. Also it may be necessary to tack the jib at a lower position on the forestay adjuster.
- ⇒ The spinnaker halyard system still works exactly the same as the standard Hobie Tiger original system however it has moved to a more outboard position on the beam.

Mainsheet system



1

Your mainsheet system has been pre-assembled for you by your Hobie dealer.



2

Shackle the boom block to the boom block hanger.



3

Shackle the mainsheet 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. 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!

Classical Spinnaker kit



1

Attach the Spi halyard block

Shackle the spi halyard block through the small bow shackle attached to the thin cord at the top of your FX-One mast. Now pass the halyard through the pulley and thread as per the photograph.



2

Fit the two ratchet blocks and stand-up springs to the eye straps on the inboard side of the daggerboards.

3

Attach the spinnaker pole to the tang at the middle of the front crossbar.

4

Attach the spinnaker pole bridles and the mid pole support wires to the small hole in the front of the bow tang.

Jib furler bridle

Mid pole support wire



Spi pole bridle



5

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.

6

One end of the tack line ties off at the eyestrap 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.



7

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.



8

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

9

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.

10

Stow the spinnaker in the spinnaker bag on the trampoline.

11

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.



*Schematic of Tiger
classical spi set-up*

