

ASSEMBLY MANUAL



HOBIE 18' PACIFIC

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Tools necessary :

- ⇒ 2 wrenches - No. 17
- ⇒ 2 wrenches - No. 10
- ⇒ 1 pair of universal pliers

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



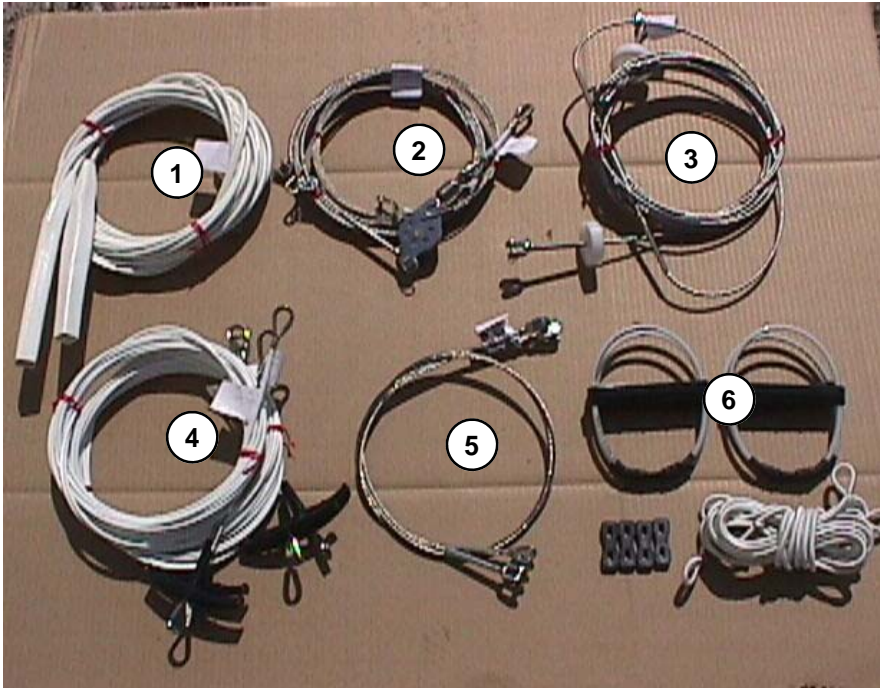
LIST OF PARTS

- | | |
|-----------------------|------------------------|
| Hulls (2) | Tiller crossbar |
| Front crossbar | Tiller extension |
| Rear crossbar | Mainsail + battens (7) |
| Mast | Jib sail |
| Trampoline assembly | Wires bag |
| Rear trampoline strip | Ropes bag |
| Rudder assemblies (2) | Parts bag |



CAUTION - DANGER
ALUMINIUM MAST - STAY AWAY OF
ELECTRICAL WIRES

LIST OF PARTS



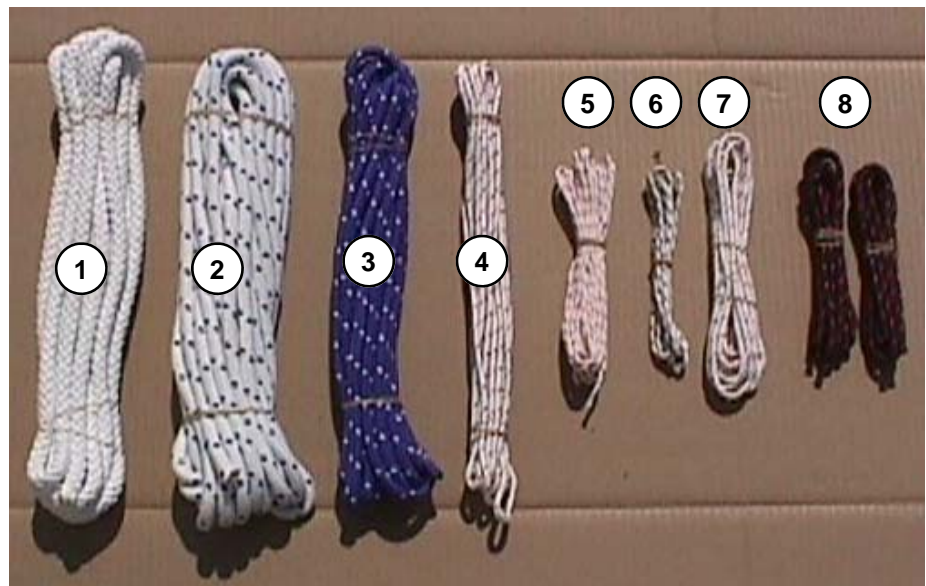
WIRES :

1. Shrouds with adjuster covers
2. Jib halyard + forestay + pigtail
3. Diamond wire assembly
4. Trapeze wires (4)
5. Bridles (2)
6. Trapeze handles (J & H) (4)
Rope locks (4)
Trapeze shock cords (2)

ROPES :

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

1. Righting line
2. Mainsheet
3. Jib sheet
4. Main halyard
5. Jib halyard
6. Jib luff tensioner line
7. Cunningham line
8. Trapeze adjustment line





Parts Bag

- | | |
|---|---------------------------|
| 1. Spreader bar assembly (2) | 10. Drain plugs (2) |
| 2. Mainsheet top block with hook | 11. Stay adjusters (2) |
| 3. Mainsheet ratchet block | 12. toggles (2) |
| 4. Jib furler | clevis pins (6) |
| 5. Cunningham block with hook | split rings (6) |
| 6. Rudder Pins (2) | 13. Shackles : 8 mm (1) |
| Nylon Washers (4) | 6 mm (4) |
| Ring clips (4) | 4 mm (1) |
| 7. Jib clew blocks (2) with clew shackle | 14. Tube silicone sealant |
| 8. Plastic ball stops (2) for cunningham line | 15. Cunningham cleats |
| 9. Tiller connector kits - TCM (2) | |

Hull assembly

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

NB: It is advisable to put some padding under the hulls to prevent scratching and damage.

Lift the right hull. One person straddles the hull to hold it in an upright position. The other person applies the Silicone sealant (for waterproofing) around the bolt holes in the deck saddles.



- 2 Take the front crossbar and remove the 2 nuts (one stainless washer and one nylon washer from each bolt). **NB:** Ensure that the trampoline track faces the rear of the boat. **NB:** it is advisable to place a small amount of grease on each bolt.



- 3 Position the front crossbar in the deck saddle and push the bolts into the holes. Reach in through the inspection port and position the nylon washer, the stainless washer and then one nut on the thread of each bolt. Tighten the nuts by hand or loosely with the #17 wrench - Do not overtighten at this stage.



- 4 Lift the port hull, and repeat the mounting process. Install the rear crossbar now in the same manner as the front crossbar. Now using the # 17 wrench tighten all 8 bolts and nuts securely, then install the lock nuts.



NB : Check all nuts after your first sailing and afterwards on a regular basis



1 Unfold the trampoline. Note that the trampoline has side tension lines that are already pre-threaded. Insert the front edge of the trampoline into the track at the left, rear side of the front crossbar. Continue feeding the trampoline into the track and position it in the center. line up the grommet in the center of the trampoline with the dolphin striker post to ensure it is centered.



2

Take one of the side tensioning lines and pass the line through the pad-eye that is fixed to the front crossbar. Then tie with a bowline knot the line onto the grommet of the trampoline near where the rope exits the trampoline. Repeat this step at the opposite side front corner.



3

Move to the rear of the trampoline. Very closely to where the side tensioning line exits the rear of the trampoline tie a loop. ensure you pull the side tensioning line firmly as to tie the loop as closely to the trampoline where the rope exits as possible. Tie a bowline or a similar loop in the line which will be used for a 4:1 purchase of the side tensioning lines. Repeat this step for the opposite side rear corner.



4

Now take the tale of the side tensioning line and pass the rope through the pad-eye mounted on the rear cross beam closest to where the line exits the trampoline. Then pass the line back through the loop tied in step3. Again go through the pad-eye on the beam and back through the loop. This will provide a 4:1 purchase. Pull the line slightly as to take some tension for the sides but do not completely tension at this stage. Repeat this step for the opposite side rear corner. Ensure that the trampoline is still centered.



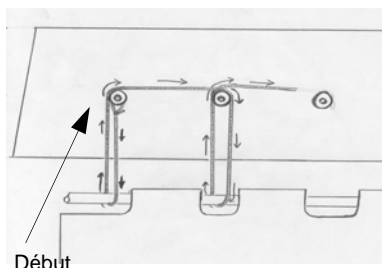
Trampoline

HOBIE 18' PACIFIC



5

Find the trampoline rod and insert it into the rear of the trampoline.



6

Commence lacing the rear of the trampoline. The lacing line starts at the left, rear lacing button on the rear crossbar. Lace the rear of the trampoline as tightly as possible as per the photographs and diagrams supplied. Continue across the rear crossbar and tie off securely when



7

Again, take the side tensioning line and very firmly pull the line. Once as tight as possible tie off the line with an adequate knot. Repeat this for the opposite side rear corner.



8

Now, once the side tension line has been tied off, using the long tail, pass it back through the grommet at the rear corner of the trampoline near where the side tensioning line exits the trampoline. Then pass the line through the pad-eye on the rear crossbar. Again pass the tail through the grommet on the trampoline and pull the line firmly. Once the sides of the trampoline have been further tightened, tie off the line and hide the tail under the trampoline. Repeat this step for the opposite side rear corner.



NB : It is important that the trampoline be strongly tightened.
Check the tension on a regular basis.

Rudder installation



- 1 Identify the rudder assemblies (green sticker on tiller arm = starboard ; red sticker on tiller arm = port)

Take the port rudder, place the 2 Nylon washers in position, align the holes in the lower rudder casting with the holes in the gudgeon, and insert the rudder pin. Fit the 2 split rings.



NB: confirm that you have installed the port rudder on the port hull.
Repeat the procedure for the starboard rudder and hull.



- 2 Identify the left hand end of the tiller crossbar. Fasten it to the tiller connector at the front of the left rudder arm using the tiller connector kit. Install as per photo. Repeat above procedure for the right side.

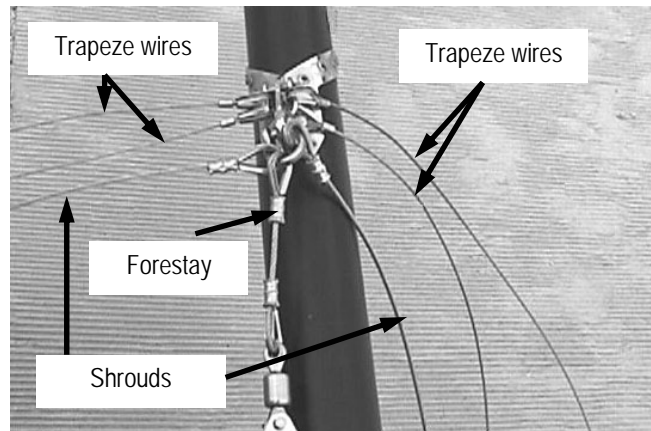
NB: Rudder toe in - toe out can be adjusted with the tiller crossbar adjuster. 3 - 5 mm toe is advised.

- 3 Connect the tiller extension to the pin located in the centre of the tiller crossbar using the clevis pin and ring clip supplied.



- 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).

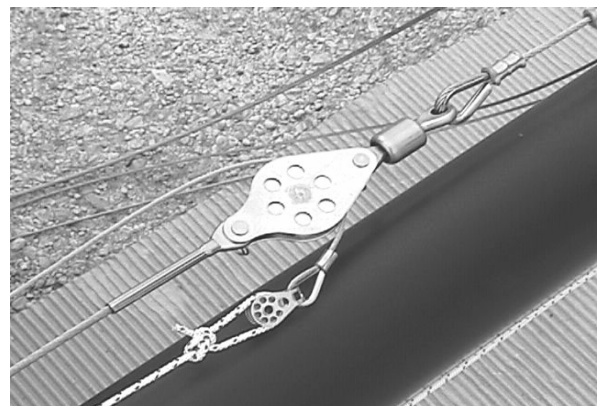


- 2 Unroll the shrouds and the forestay wire (with the jib halyard block) and fix them to the lower hole of the mast tang using a shackle. The shrouds go onto each side of the forestay.

- 3 **IMPORTANT:** Attach the jib halyard rope to the small single block at the end of the jib halyard wire.

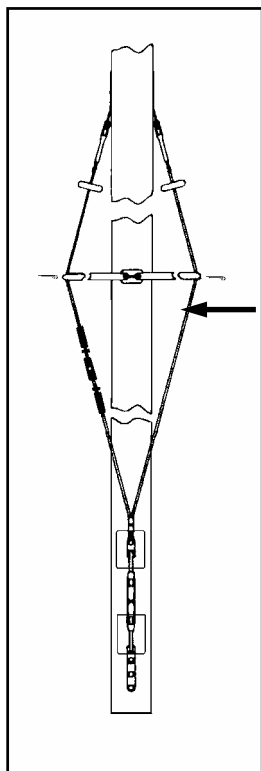
Attach the main halyard rope to the thimble on the end of the main halyard wire.

NB: Secure both wire and rope halyards at the base of the mast. Ensure that the 2 shackles on the mast tang are tightened with pliers or shackle key.



Spreader bars

HOBIE 18' PACIFIC



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.

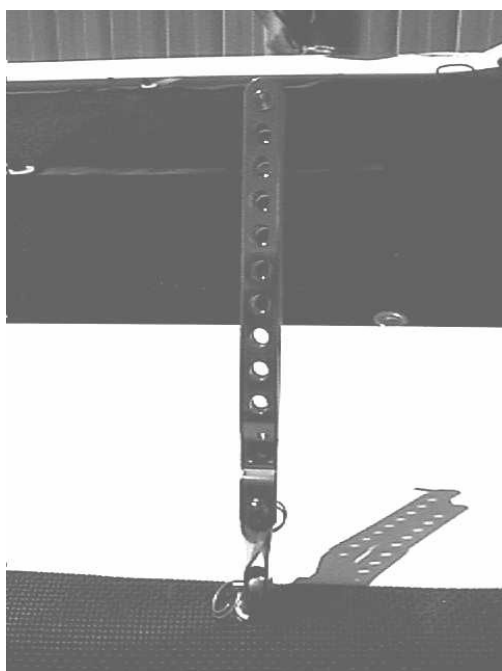


- 1 Locate the bridle wires and Jib furler. Fasten the bridle wires to the bow tangs on each hull and after ensuring that they are not twisted, fasten the inner ends of the bridle wires to the Jib furler.



Ensure that the hole in the furler drum cover is pointing towards the front crossbar. Now, wind the furler drum in a clockwise direction to prime the furler. Leave enough line to reach the furler 'V' jam cleat mounted on the rear of the front crossbar. Pass the line under the front of the crossbar, through the grommets and up through the cleat.

- 2 Place the mast assembly on top of the platform (on some padding or foam to prevent damage) with the sail track to the bottom and the mast base to the front. Separate or untwist all the wires and lay the corresponding shroud and trapezes down each side of the boat.



- 3 Pin the stay adjusters to the twist toggles and then pin the twist toggles to the shroud anchor pins. Ensure that the adjusters are facing in a fore and aft direction.

NB: For initial rigging, pin the shrouds into any of the top 3 holes in each adjuster and the trapeze wires can be left hanging loose.

The trapezes can be connected when the mast is up and the shroud position in the stay adjusters can be changed to alter mast rake and tension.

Stepping and raising the mast

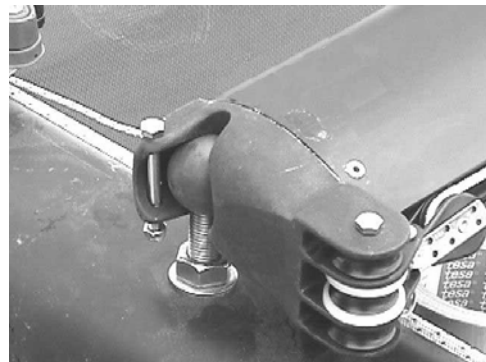
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Look around and make sure that there are no power lines or other obstructions that the mast may come in contact with. For the first few times, three people will make it easier and safer to raise the



- 1 Remove the bolt & nut from the front of the mast base casting but keep them handy. Now, pick up the mast - one person at the head, one at the base.

Walk the mast back and rotate it 90 degrees. Place the mast base casting over the mast step ball and reinstall the bolt and nut. This will prevent the mast base from jumping off the mast step ball, check again that all wires are not twisted, tangled or caught under the rudders and that the forestay is free.



- 2 One person can now get on the trampoline just forward of the rear crossbar and the person at the mast head can walk toward the rear of the boat raising the mast hand over hand.

← The person on the trampoline can assist here until they can support the full weight of the mast.

Now, the other person can assist by either getting on the trampoline and lifting or by walking forward with the forestay or a trapeze wire.

When the mast is fully raised, one person on the trampoline can hold the mast upright whilst the other connects the

forestay to the top of the chainplate of the furler.



NB: The rig will be loose at this stage. It can be tightened now or later to achieve desired tension rake. It is best to do this before the jib is attached. When adjusting forestay chainplate position, have your assistant walk forward and pull down with a trapeze wire for added security.

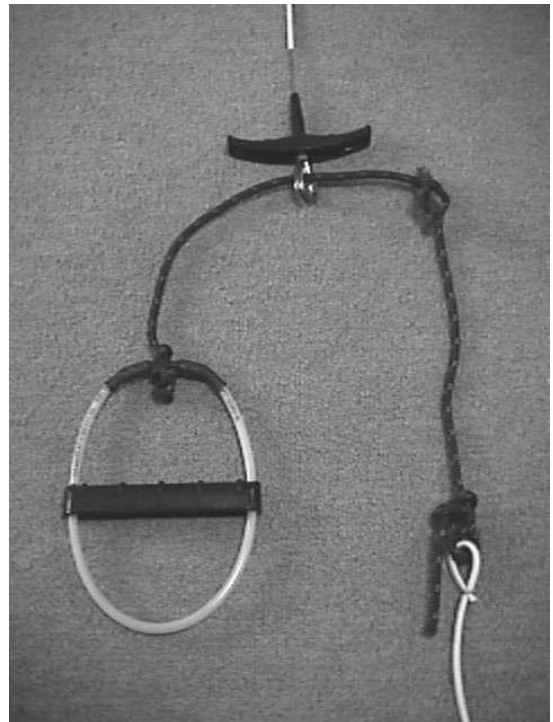
Similarly when adjusting shroud position, have your assistant pull down on a trapeze wire at the side of the boat.



- 1 trampoline.
Locate the trapeze handles (4), ropelocks (4),
and adjuster lines (4).

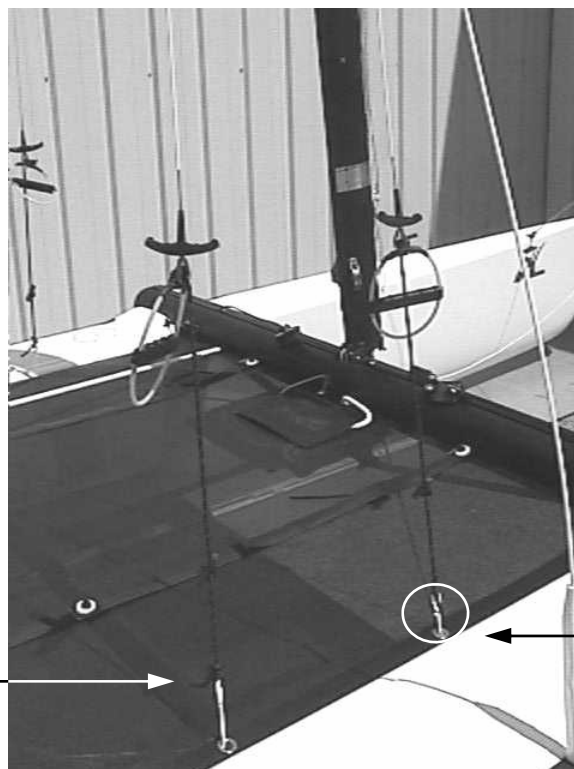
Assemble the trapezes as per photo.

Take care to run the adjuster lines through the rope



- 3 locks correctly - if not done properly, they may slip.

After ensuring the trapeze wires are not twisted or wrapped around the shrouds, tie off the tail end of the adjuster lines to the loops in the ends of the trapeze shock cords. Trapeze height can simply be adjusted by changing the position of the rope lock on the adjuster line. It is a good idea to check your trapezing height before you launch the Pacific.



- 2 Locate the 2 trapeze shockcords from the wires bag and lead them underneath the trampoline and up through the grommets at the side edges of the

Mainsail / Fitting battens



Always point your Hobie directly into the wind before you raise the mainsail.



- 1** Unfold the mainsail onto the trampoline and insert each batten into its respective pocket in the sail. 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.



Insert the battens into their pockets and secure them using the webbing straps and plastic clips. Apply enough tension to remove the wrinkles from the pocket.

- 2** Attach the main halyard shackle to the sail headboard. Feed the bolt rope of the sail into the cut out in the sail track. Proceed to pull down on the main halyard whilst your assistant feeds the bolt rope into the cut out.



- 3** Raise the mainsail fully. Position the wire halyard at the front of the mast so that the stopper swage will engage in the halyard lock when the sail is pulled down slightly. Feed the bottom part of the bolt rope into the sail track below the cut out.



- 4** Lead the rope halyard around behind the shroud and trapeze wires and secure at the cleat on the side of the mast. Stow the excess halyard line in the trampoline pocket.



1 CUNNINGHAM:

Attach the cunningham triple block with hook to the grommet in the tack of the mainsail.

Locate the cunningham line and thread it through the cleats, cunningham block and mast base sheaves as per photo.

Attach the plastic ball stops at each end of the cunningham line.



2 RIGHTING LINE:

Locate the righting line. Pass one end through the grommet in the centre of the trampoline and secure it to the dolphin striker post.

Pull any slack back up through the trampoline grommet and stow the righting line in the trampoline pocket.

A knot in the righting line just above the grommet will prevent the righting line from slipping down and dragging in the water.

Jib sail

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- 1 Unroll the jib and open the zipper on the luff of the sail. Shackle the jib tack as low as possible to the adjuster mounted in the furler.

- 2 Ensure that the jib halyard wire and line are not twisted around the forestay. Attach the small jib halyard shackle to the loop at the head of the sail. Hold the head of the jib so that when the zipper is fastened, the forestay AND halyard line will be inside the zipper pocket.



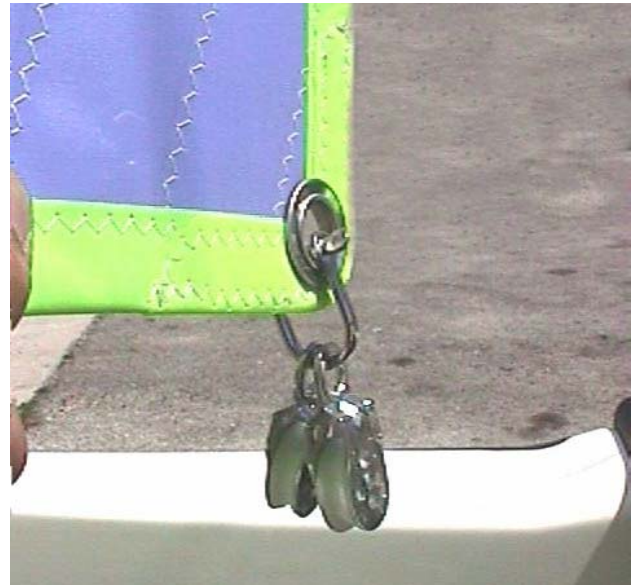
- 3 After the zipper is fastened, pull slowly down on the jib halyard line and slowly fasten the zipper at the same time. Hoist the jib fully but only close the zipper as far as the small block on the halyard wire.



- 4 Locate the jib luff tensioner line. Make a figure '8' knot in one end and pass the other end through one of the vacant holes in the forestay adjuster. Now, thread the line through the small jib halyard block and then back down to the cleat on the tack of the jib. Apply enough pressure to remove any creases in the jib luff. Cleat the line off. The line can then be tied off to prevent any slippage. Remove the long jib halyard line and stow it in the trampoline pocket.



- 1 Locate the jib sheet line, the jib clew blocks and the clew shackle. Shackle the blocks to the clew of the jib sail.



- 2 Pass one end of the jib sheet down through the hole in the front of the jib car plate and the A knot in the end. The other end of the sheet is led through one of the jib clew blocks and then back down through the fairlead on the jib car.

Pass the line behind the mast and then through the fairlead on the other jib car - from back to front. Take the line up through the other clew block and then back down through the hole in the front of the jib car plate. Tie a knot in the end of the sheet line.

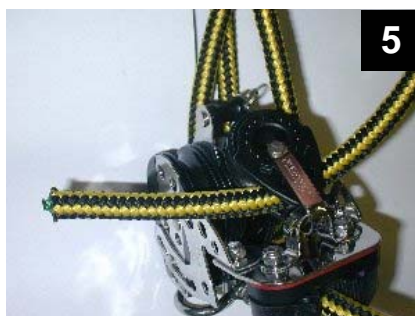


- 3 The jib sail can now be furled. Ensure that the jib sheet is not cleated and pull down the furler line.

When the sail is fully furled, secure the furler line in the 'V' jam cleat on the rear of the crossbar.

Main Sheet System

HOBIE 18' PACIFIC



2

Attach the ratchet block to the traveller car on the rear crossbar.



3

Tread the tail of the mainsheet line through the swivel cam cleat in the centre of the



Classical Spinnaker kit

HOBIE 18' PACIFIC

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

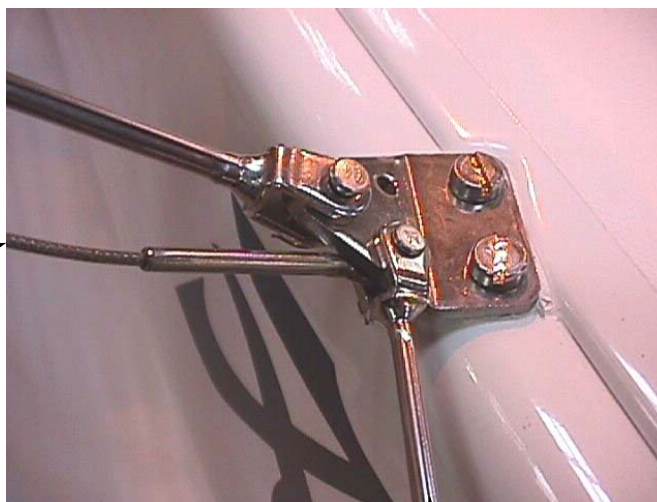
Attach the spinnaker pole to the tang at the middle of the front crossbar.

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

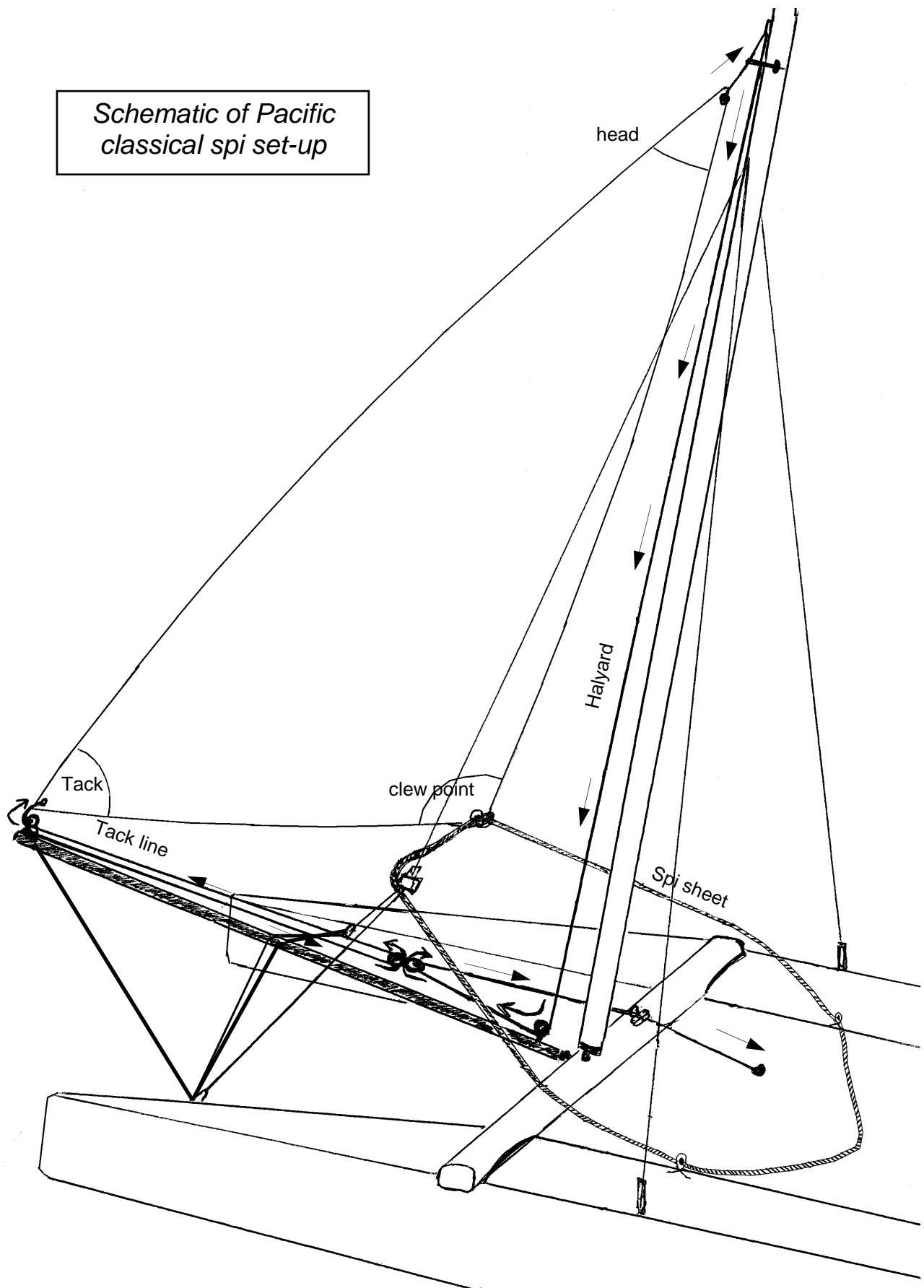
Stow the spinnaker in the spinnaker bag on the trampoline.

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 Pacific
classical spi 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.
- ♦ Remain **seated** while sailing.
- ♦ 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 Pacific
- ♦ **ALWAYS** HAVE FUN !!