



ASSEMBLY MANUAL

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IMPORTANT WARNING

By assembling and/or using this Skywings product, you agree that you have read and understood the entire user manual, including all instructions and warnings contained in that manual, prior to using the Skywings product in any way. You additionally agree that you will ensure any additional or subsequent user of your Skywings product will read and understand the entire Skywings user manual, including all instructions and warnings contained in that manual, prior to allowing that person to use your Skywings product.

Assumption of risk: Use of the Skywings product and any of its components involve certain inherent risks, dangers, and hazards, which can result in serious personal injury and death to both the user and to nonuser third parties. In using the Skywings product, you freely agree to assume and accept any and all known and unknown risks of injury to you and to third parties while using this equipment. The risks inherent in this sport can be greatly reduced by abiding by the warning guidelines listed in the user manual and by using common sense.

Release and waiver of claims: In consideration of the sale of the Skywings product to you, you hereby agree to the fullest extent permitted by law, as follows:

To waive any and all claims that you have or may in the future have against Skywings and all related parties resulting from use of the Skywings product and any of its components.

To release Skywings and all related parties from any and all liability for any loss, damage, injury or expense that your next of kin may suffer, as a result of the use of the Skywings product, due to any cause whatsoever, including negligence or breach of contract on the part of Skywings and all related parties in the design or manufacture of the Skywings product and any of its

components.

In the event of your death or incapacity all provisions contained herein shall be effective and binding upon your heirs, next of kin, executors, administrators, assigns and representatives. Skywings related parties have not made and expressly deny any oral or written representations other than what is set forth herein and the Skywings user manual.

Safety instructions:

You must read the user manual carefully before using the product. Kitewing riding is an adult sport, underaged should practise it under adult surveillance. Kitewing riding must be taken seriously and we recommend that, at least in the early stages of your use, you seek the guidance of experienced riders.

Always use extreme caution when using this product. Always remember to wear personal protection, at least a helmet.

We also recommend the usage of knee and elbow protection. Improper and/or negligent use of this product may result in serious injury or death to yourself and others.

Spend time to become familiar with your Kitewing and remember that you are responsible for your own safety, and the safety of others when using this product. As you learn the sport, ride within your own skills and do not exceed them.

This product is not intended for use as a flying device and Skywings Ltd. does not recommend flying or jumping with the product.

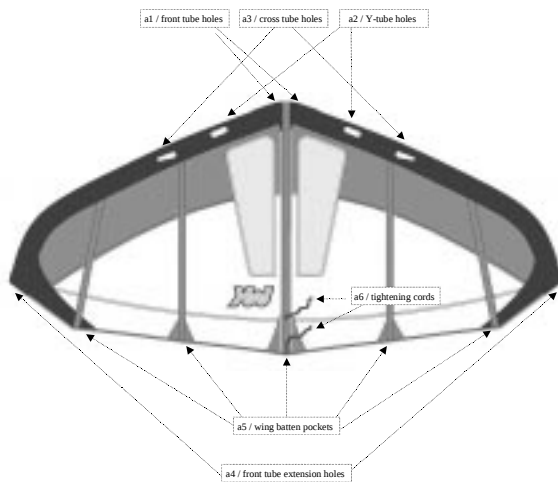
2. LIST OF KITEWING PARTS

Kitewing consists of two main parts, the frame and the wing.

(A) Wing includes:

- (a1) front tube holes (2pcs)
- (a2) Y-tube holes (2pcs)
- (a3) cross tube holes (2pcs)
- (a4) front tube extension holes (2pcs)
- (a5) wing batten pockets (5pcs)
- (a6) tightening cords (2pcs)

Figure 1. Wing (Part A) parts.

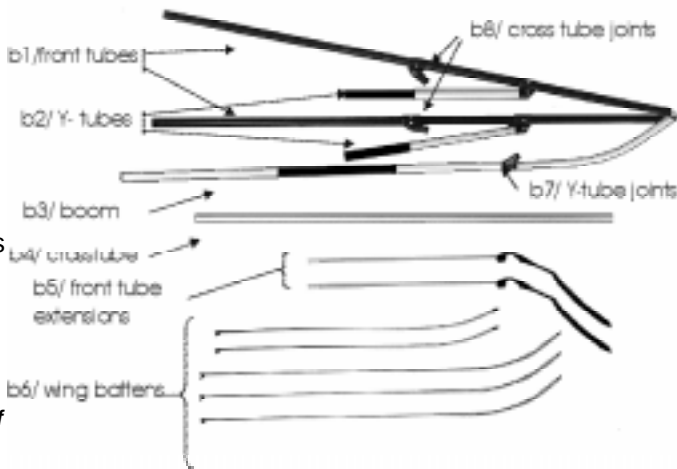


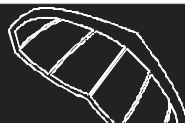
(B) Frame consists of the following parts:

- (b1) front tubes (2pcs)
- (b2) Y-tubes (2pcs)
- (b3) boom
- (b4) cross tube
- (b5) front tube extensions (2pcs)
- (b6) wing battens (3pcs long and 2pcs short)
- (b7) cross tube joints (2pcs)
- (b8) Y-tube joint

Figure 2. Frame (Part B)

consists of 8 different types of parts.





3. ASSEMBLING THE KITEWING

Before starting the assembly, make sure you that you have the wing and all the frame parts in the bag.

Assembling the Kitewing is easy and takes only 3-10 minutes. In figure 3. you can see a picture of an assembled Kitewing.



Figure 3. An assembled Kitewing

1. Look for a sheltered place to assemble the Kitewing.
2. Open the Kitewing bag and take out the wing (Part A).
3. Find the holes (Parts a1, a2 and a3) on the front edge of the wing. Place the wing on the ground so that the holes face downward.
4. Fold the wing in half by placing one half of the wing on top of the other half. This is done by grabbing one end of the wing and placing it on the top of the opposite end. The holes (Parts a1, a2 and a3) on the front edge of the wing must face outwards.
5. Take the front tubes (Part b1) and make sure that the boom (Part b3) is

pointing towards the back of the wing. Push the front tubes into the front tube holes (Part a1) of the wing. (See figure 4).



Figure 4. Pushing front tubes into front tube holes.

Make sure that the Y-tubes (Part b2) come out of the Y-tube holes (Part a2). Y-tube holes are the two innermost holes out of the 4 holes on the edge of the wing. Push the tubes as far as possible so that the cross tube joints (Part b7) can be seen in the outermost holes (See figure 5).

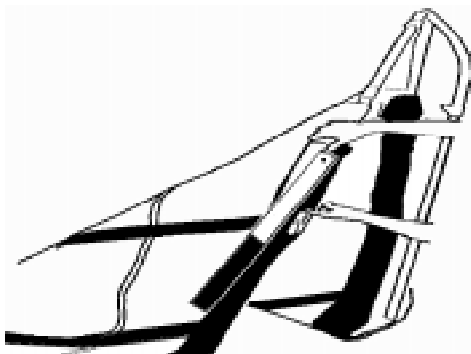


Figure 5. Push the front tubes so far that the Y-tubes come out of the Y-tube holes and cross tube joints can be seen from the cross tube holes.

6. Unfold the wing and place it on the

Assembly

ground so that the boom (Part b3) is on top of the wing.

7. Take the cross tube (Part b4). Attach the cross tube into the cross tube joints (Part b7) that are situated on the front tubes (Part b1) and can be seen from the cross tube holes (Part a3). (See figure 6.)

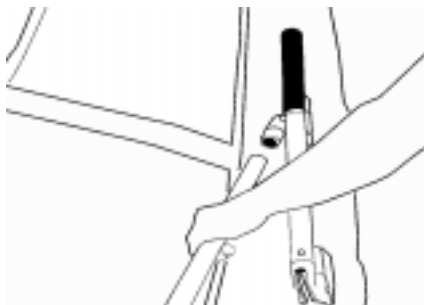


Figure 6. *Attach the cross tube into the cross tube joints.*

8. Take the front tube extensions (Part b5)

a. Push one of the front tube extensions into the front tube extension hole (Part a4) on the tip of the wing. The rounded side of the extension should face outward. Make sure that the extension goes into the hole at the end of the front tube (See figure 7.). Push the extension as far as it goes.

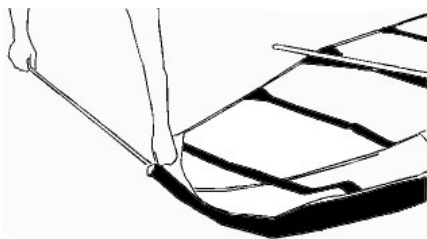


Figure 7. *Push the front tube extension into the front tube extension hole.*

b. Push the extension along the outermost side of the hole until you can feel that it hits the end of the front tube. Then push the extension outward until it's in line with the front tube. Finally push the extension forward until you feel that it clicks into its place in the end of the front tube. You have to use some force when installing the extension. (See figure 8.)

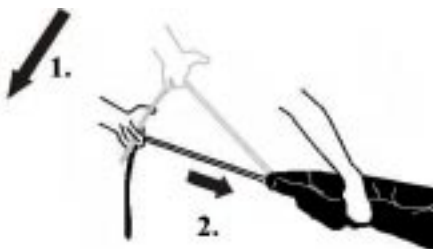


Figure 8. *First push the extension outward and then push the extension forward until you feel that the extension clicks into its place.*

c. Do the same procedure with the other extension.

d. Pull the cord at the end of the front tube extension through the cord lock at the tip of the wing. Tighten the cords quite hard. (Tip: Make sure that the boom stays in the middle of the wing as you tighten the cords.) (See figure 9.)

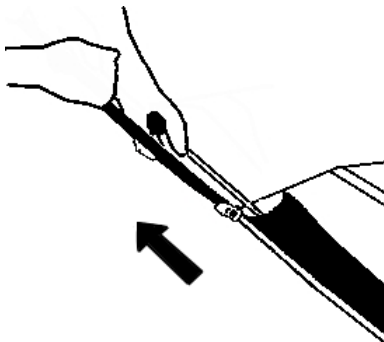
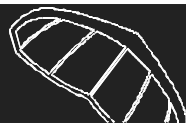


Figure 9. Tighten the cords at the end of the front tube extensions

9. Turn the Y-tubes (Part b2) open one at a time. Attach them to the Y-tube joints (Part b8) situated on the boom (Part b3) so that the Y-tubes become firmly attached. Make sure that the safety knob clicks into it's hole. (See figure 10.)



Figure 10. Turn the Y-tubes open one at a time and join them to the boom.

10. Take the wing battens (Part b6). Push the wing battens one-by-one into the wing's batten pockets (Part a5) with the rounded end in front and the tip facing up. The shortest battens go into the outermost batten pockets. (See figure 11.) Push the battens into the

pockets as far as they will go. Find the rubber bands that are situated beside the batten pockets. Attach the band by pulling it to the gap in the end of the batten.

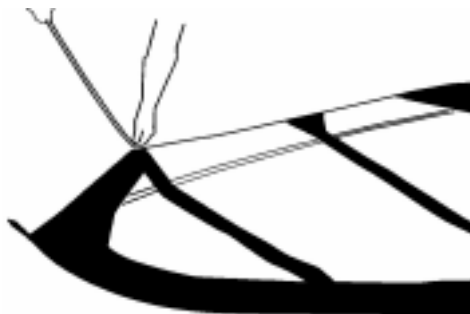


Figure 11. Push the wing battens one-by-one into the wing's batten pockets.

11. Finally, pull the tightening cords (Part a6) at the back of the wing through the cord locks at the back of the boom (Part b3). There are two cords and two cord locks. After pulling them both through their own lock, tighten the cords. To be sure the cords hold in place, it is best to tie them after tightening.

(Tip: If you have bought a polyester wing, you can make a simple knot at the ends of the cords after pulling them through the lock because you don't have to remove the wing from the frame after the first assembly. See section 3. for information on how to recognize if you have a polyester wing.)

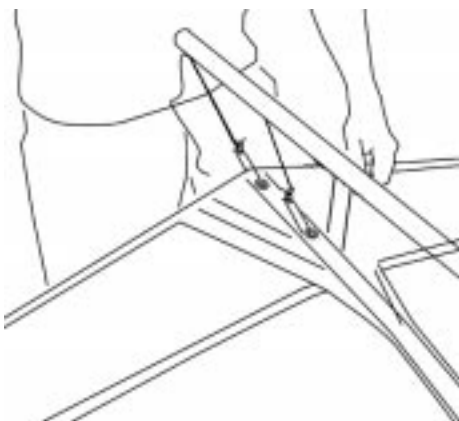


Figure 12. Tightening the cords.

3. DISASSEMBLING THE KITEWING

Disassembling your Kitewing is really easy. You basically just have to do everything in a reverse order compared to assembling.

Disassembling the Kitewing in the right way increases the lifetime of your Kitewing.

Check if you have a polyester wing or a monofilm wing

* The Monofilm wing is totally transparent

* The polyester wing is non-transparent except for small windows.

Choose the right disassembly instruction from the following two options, depending on which wing you have.

Option A. Polyester wing

1. Loosen the tightening cords (Part a6) at the back of the wing. Don't remove the cords completely. (See section 11 of the assembly instructions for further

information.)

2. Remove the wing battens (Part b6) one-by-one.

3. Remove the front tube extensions (Part b5).

4. Release the Y-tubes (Part b2) from the boom (Part b3) and turn them beside the front tubes (Part b1).

5. Remove the cross tube (Part b4).

6. Lift the wing by holding from the boom (Part b3) so that both winghalves are hanging down.



Figure 13. Lift the wing by holding from the boom.

7. Place the folded wing on the ground.

8. Smooth out the wing with your hand and make sure that the folding line is always in the same place. (This ensures that your Kitewing stays in better condition.)

9. Fold the wing one more time by grabbing from the boom and turning it (Part b3) until it's parallel with the front tube (Part b1). After this the wing is four-

fold.

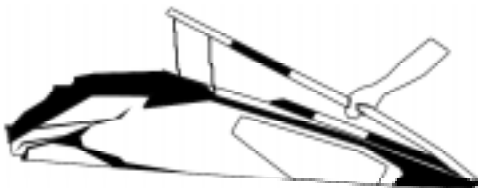


Figure 14. Fold the wing one more time.

10. Turn the folded wing upside down. This is done to make sure that the Y-tube joint situated on the boom doesn't damage the window on the wing during transport.

11. Roll the wing around the frame. Make sure that the boom (Part b3) stays in the middle of the roll.



Figure 15. Roll the wing around the frame.

12. Insert the rubber band around the wing. Place the wing and the other parts in the bag. We recommend that you bind the battens together with rubber bands so that the front ends are placed together.

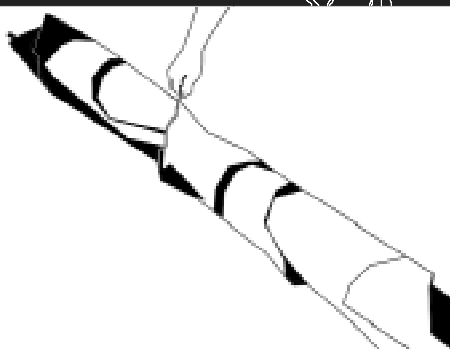


Figure 16. Insert the rubber band around the wing.

Option B. Monofilm wing (transparent)

We recommend that you remove the frame from the wing after using a monofilm wing. This will increase the wing's lifetime.

1. Remove the wing battens (Part b6) one-by-one.
2. Remove the front tube extensions (Part b5).
3. Release the Y-tubes (Part b2) from the boom (Part b3) and turn them beside the front tubes (Part b1).
4. Remove the cross tube (Part b4).
5. Lift the wing by holding from the boom (Part b3) so that both winghalves are hanging from the boom.



Figure 17. Lift the wing by holding from the boom.

6. Place the folded wing on the ground.

7. Loosen the tightening cords (Part a6) from the cord locks at the back of the boom.

8. Fold the wing so that the winghalves are placed on top of each other.

9. Pull both front tubes (Part b1) simultaneously out of the wing.

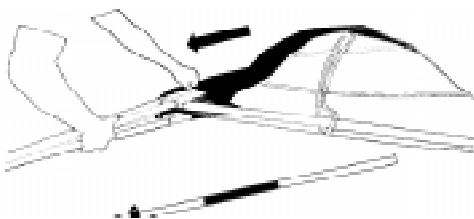


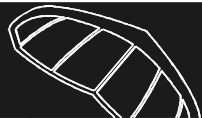
Figure 18. Pull both front tubes (Part b1) simultaneously out of the the wing.

10. Place the wing on the ground and roll it tight from one tip to the other. Put the rubber band around the wing. You can tighten up the roll by pushing one hand inside the roll. (See figure 19.)



Figure 19. You can tighten up the roll by pushing one hand inside the roll.

11. Place the wing, frame and the other parts in the bag. We recommend that you bind the battens together with rubber bands so that the front ends are together.



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