

Wing Set-Up and Trike Attachment

Wing Set-Up

1. Point Wing Bag 'into wind' and unzip - remove Batten Bag and Protection Pads
2. Remove Control Bar, lay on one corner and construct Control Bar Triangle
3. DOUBLE CHECK Safety Pin Connector and Safety Clips on Control Bar Frame
4. DOUBLE CHECK Wing Cables are not twisted around the Control Bar Tubes
5. Keeping the Nose Wires clear stand the Wing up onto the Control Bar
6. Remove the Bag - fold up Wing Bag (incl. protection pads) and zip up the bag!
7. Remove the Sail Ties (around end and middle of wing) and place in Wing Bag
8. Spread the Wings (a little at a time, alternating sides) - until completely open
9. Erect King Post on Locator Pin (check luff lines are not twisted)
10. Ensure that Spreader Bar HAULBACK CABLE (x2) is on each side of the King Post
11. Separate Battens into L/R wings (note colours when taking wing down)
12. Then, separate Upper Wing Surface (curved) from Lower Wing Surface Battens
13. Upper Wing Surface - layout each batten next to SPECIFIC pockets - CHECK!
14. Insert ALL Upper Surface Battens (leave last few out) - and tension Bungees
15. Spread Wing COMPLETELY
16. Tension Spreader Bar and insert/secure pin (note hole when taking wing down)
17. Fasten Nose Wires - insert Pin and Safety Clip to secure - DOUBLE CHECK!!
18. Secure Safety Cable around Nose Wires
19. Inspect ALL cables for twists/kinks - check bottom on control bar!
20. Set the Wing on the NOSE
21. Insert Balance of Battens - remainder of upper surface and lower surface battens
22. Insert Wash-Out Tubes - ensure proper seating into Leading Edge
23. Insert Tip Battens - check curve and seating on nipple on leading edge
24. Look into wing openings and ENSURE ALL BATTENS ARE CORRECTLY INSERTED

25. **DIVE RECOVERY SYSTEM** - recheck overall system (Luff Lines & Washout Battens)
26. **WING SYMMETRY** - stand behind Wing and assess SYMMETRY OF WING
27. **WING PROFILE** - check overall Wing Profile from Root-to-Tip - BOTH SIDES

Trike Attachment

1. Ensure the Wing is correctly Set Up, and is standing on the Control Bar and Nose
2. Fit Hang Point Connector Block on Keel (note location when taking wing down)
3. Check that Trike is LEVEL and ALIGNED with WING - Nose Wheel on C/L of C/Bar
4. Remove the Front Strut (remove the top connection first) - set aside (no step!)
5. Remove Hinge-Point Bolt Safety Clip & Wing Nut (keep nut and safety clip safe!)
6. Hinge the Trike Pylon forward towards the nose wheel
7. Remove Hang-Bolt from Pylon (keep nut and safety pin somewhere safe!)
8. Roll Trike forward - moving the Front Wheel over the Control Bar on the ground
9. Locate the Hang Mechanism on the Pylon with Connector Block on the Keel
10. Insert Hang Bolt and insert Hang Bolt Wing Nut including Safety Ring
11. Wrap Safety Cable TWICE around Keel (in FRONT of Hang Block)
12. Connect Safety Cable onto the Backup Safety Bolt
13. Insert Backup Safety Cable Bolt Wing Nut & Safety Ring - DOUBLE CHECK!
14. Double Check POSITIONING of Hang Point Connector on Keel - for correct Trim!
15. Go to FRONT of wing and lift wing by pushing top cables up and back
16. Place Nose Cone (check velcro attachment points)
17. Set Parking Brakes or Chocks to secure Trike from moving backwards
18. Lift the Wing and insert the Hinge Point Bolt to secure the Hinge Point
19. Tighten the Hinge Bolt Nut and INSERT SAFETLY CLIP . . . DOUBLE CHECK!
20. Insert Front Strut (bottom first) and insert Pins, including Safety Clips
21. **WING SYMMETRY** - stand behind aircraft and assess SYMMETRY OF WING
22. **WING PROFILE** - check overall Wing Profile from Root-to-Tip - BOTH SIDES
23. Conduct COMPLETE PRE-FLIGHT on Wing, Airframe, Engine and Fuel Lines

Detach Trike and Wing Take Down

Detach Trike

1. Remove Front Strut (top first, then bottom) by removing Safety Clips & Pins
2. Set Parking Brakes or Chocks to secure Trike from moving
3. Remove the Hinge Bolt Safety Clip and Nut
4. Lift Wing by the Control Bar and remove the Hinge Point Bolt
5. Walk backwards lowering wing and position control bar close to nose wheel
6. Release Parking Brakes or Remove Chocks (HOLD - don't let wing roll back!)
7. Remove Nose Cone (otherwise it will get dirty!)
8. Rotate the Wing Forward and set the Wing Nose on the Ground
9. Remove Backup Safety Cable Bolt Safety Clip & Wing Nut (REPLACE, don't lose!)
10. Remove Safety Cable from the Backup Safety Bolt
11. Remove Safety Cable from around Keel
12. Remove Hang Bolt Safety Clip & Wing Nut, then remove Hang Bolt
13. Roll the Trike BACK - the Front Wheel will roll over the Control Bar
14. REPLACE the Hang Bolt, Wing Nut & Safety Clip (so don't lose them!)
15. Remove Hinge-Bolt from Mast/Pylon (keep nut and safety pin somewhere safe!)
16. Hinge the Trike Mast/Pylon back up
17. Straighten the Pylon and insert the Hinge-Point Bolt, Wing Nut & Safety Clip
18. Insert the Front Strut (bottom connection first)
19. Remove the Hang-Point Connector Block from Keel (note hole location!)
20. Store the Hang-Point Connector somewhere SAFE (Pannier Bag?)

Wing Take Down

1. Remove the Nose Cone and store (done in Trike detach?)
2. Ensure that Wing is rotated FORWARD onto the Wing Nose
3. Remove LOWER WING SURFACE Battens - separating into L/R Wing Bundles
4. Remove FIRST 3-4 UPPER WING (TIP) Battens - separating into L/R Wing Bundles
5. Rotate the Wing BACKWARDS on the Control Bar, to rest on the Wingtips
6. Remove Nose Safety Cable and then Remove the Nose Wires
7. Remove the Washout Struts - leave in place on bungees

8. *NOTE: If very windy drop Wing onto the ground before completing next steps!*
9. Remove Pin & Release the Spreader Bar Tensioner (Haul Back) Cable
10. Collapse Wing PARTIALLY to de-tension the Wing
11. Loosen/remove Bungees from all the Battens
12. Remove ALL Upper Surface Battens (bundle left/right Wing Battens together)
13. Drop the King Post by lifting off base (check luff lines are not twisted)
14. Collapse the Wings completely (a little at a time, alternating sides)
15. Throw the Wing Sail OUT OVER the Leading Edges on BOTH SIDES
16. Ensure Washout Battens are removed out of the holes in the Leading Edges
17. Place a Protector Pad around Keel-end and King Post
18. Fold the Wing Sail INTO the pockets created by the Mylar Leading Edges
19. *NOTE: Luff Lines on top, Wing Cable out, roll Wing Sail and stuff into pocket*
20. Place & Tie the Sail Ties (at wingtips and middle of wing)
21. Place the END of the Wing Bag over the Wingtips (zip end 1m to slide over)
22. *Note: Stand over wingtips, hold with knees, slide bag over, zip facing down*
23. Take the Nose of Wing Bag and put it over the Nose of the Wing
24. Zip up the Nose of the Wing Bag slightly to locate the Zip (facing down/centre)
25. Drop the Wing over to the side, off the Control Bar
26. Place a Protection Pad over the Control Bar hardware to protect the Wing Sail
27. Remove the Safety Clip and Safety Pin Connector on Control Bar Frame
28. Replace the Safety Clip and Safety Pin Control Bar Connector for Safekeeping
29. Break and straighten the Control Bar and lay it along the Wing Centreline
30. *Note: Ensure that the Control Bar Connector Elbow is STRAIGHTENED*
31. Place Protective Pads over Control Bar and Other Hard Surfaces/Angles
32. Package the Battens into Left/Right Wings and place in Batten Bag
33. Place the Batten Bag IN the Wing Bag, between the two Wings
34. *Note: DOUBLE CHECK for any unprotected HARD SURFACES!*
35. Zip up the Wing Bag! (ensure ALL wires are inside the Mylar surfaces)