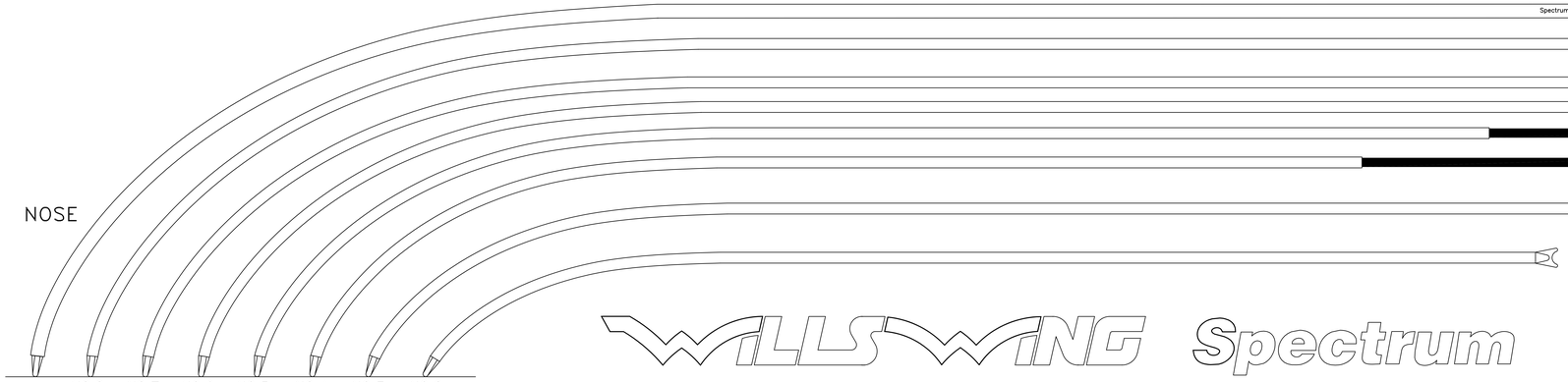
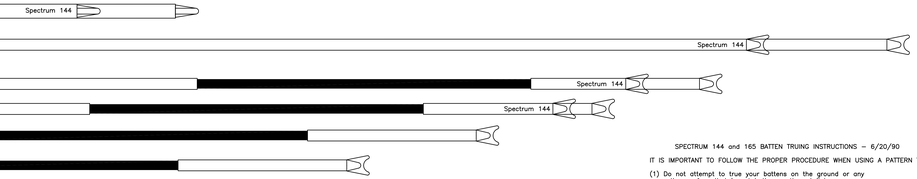



WILLS WING Spectrum




SPECTRUM 144 and 165 BATTEN TRUING INSTRUCTIONS – 6/20/90

IT IS IMPORTANT TO FOLLOW THE PROPER PROCEDURE WHEN USING A PATTERN TO TRUE BATTENS.

(1) Do not attempt to true your battens on the ground or any other surface that is not both smooth and flat.

(2) Spectrum 144 battens are the same shape as Spectrum 165 battens, but slightly shorter as indicated on the diagram.

(3) Lay each batten inside the heavy outline on the diagram. The rear 75% of each batten is straight. Align this portion of the batten with the corresponding straight section of the template. Slide the batten into the proper position by registering the front batten tip vertically over its outline on the pattern. No part of the batten should deviate more than 1/4 inch from the pattern profile.

(4) There are (7) full length cambered 7075 battens, no. 2 through no. 8 (1) straight no. 1 and (2) straight bottom surface battens for each wing. There is also (1) 1/2 inch diameter nose batten which is not normally removed from the sail. Make sure that you are truing each batten to the correct curve. The location of the rear batten tip on the pattern, while not precise, will help verify the correct template.

(5) Battens no. 4 through no. 8 should be inserted and removed with the sail untensioned. When inserting and removing the no. 8 battens, extra care must be taken to avoid decambering the batten. Lift the keel at the rear enough to allow the batten to slide in as easily as the others.

(6) It is not necessary to true you battens after every flight, but they should be charted at least once a month, or after any hard landing or other ground handling mishap. Check your battens for side to side symmetry before every flight.

(7) If you have any questions, please consult your dealer or call Wills Wing at (714) 547-6366. Please read your Spectrum owner's manual for additional tuning and maintenance information.