

Section 6. TURNING

6.1. FINE TUNING THE WING

Your wing has, on each side, a tensioner bolt that can be turned to 'wind up' (tighten) the sail on either side. This bolt can be found on the very tips of your wing's leading edge tubes and requires the use of a 17 spanner. If your wing has, for example, a right turning tendency this means that more angle of attack is required on the right side to bring this wing up to level flight. To do this, simply screw the right side tensioner bolt clockwise by 2 to 3 turns. This tightens the sail on that side of the wing, effectively increasing the angle of attack.

NB: As this point you may need to slightly loosen the two 6-mm bolts that secure the sail to the leading edge. This is in order to ensure smooth movement of the sail during the adjustment.

Test fly. If there is still a right turn, you may screw 'out' the other side (left side). Simply turn the left side tensioner bolt anti-clockwise 2 to 3 turns. Test fly and repeat the process if necessary. You may "wind" or "unwind" the sail on each side to a maximum of 12mm distance from its original position - this can be measured by looking at the position of the two 6-mm sail securing bolts on each side. If you reach this maximum and the wing still has a right turn, reset your wing to its original settings and proceed with coarse wing adjustment.

6.2. COARSE WING ADJUSTMENT

(**Note:** Ensure that your wing adjusters are restored to their original settings before attempting coarse adjustment.) You will notice if you look inside the sail at the wing tips, that the end piece of the leading edge tube is adjustable about its longitudinal axis. The tip leading edge tube section fits into the main leading edge tube and is secured in place with a small screw. This tip piece can be rotated through three positions (three securing holes available on the main leading edge piece). The wing is delivered standard with both wing tips set in their maximum angle of attack position. To correct a right turning tendency, the left side needs a decrease in angle of attack - this will decrease the lift on the left side and bring this wing down resulting in level flight. Do this by adjusting the left tip leading edge piece 'up' one position (less angle of attack). This may require some de-tensioning of the tip adjusters to give the necessary slack required to rotate the tip piece. Test fly and repeat if necessary. If you adjust until you are in the third adjustment position on the left side and the wing still has a right turn you may go through the steps of fine tuning your wing (you may fine tune your wing at any coarse adjustment setting). If the turning problem still persists, please contact Aeros LTD or your dealer for advice.