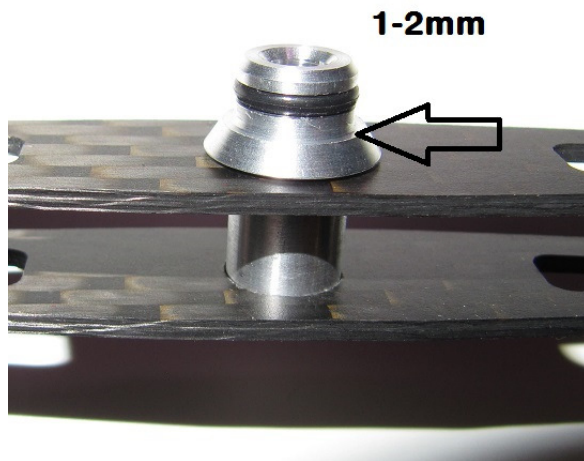# Assembling Q80 backsupport

The picture above shows the parts delivered with the mount.

The mount is adjustable in all axes. Please think before gluing it to the fuselage in which direction you want to adjust down and side thrust later. The picture below shows the assembled back support.

1. Please install your motor to the fuselage first. Adjust it to your desired down and side thrust, without the back support.
2. Put the wooden pieces together do not glue them yet. You have to shorten them to fit it to your fuselage width.
3. The 2 carbon parts with the Aluminum bolt have an offset for about 3° side thrust, so the Aluminum bolt is not in the middle of the part. Your wooden parts therefore should be about the same length when they fit into the fuselage. Put everything together like on the picture above. Glue the Aluminum bolt with Uhu Endfest 300 to the carbon parts. Make sure that everything is aligned
4. You can temper Uhu Endfest 45min with 70° Celsius in an oven. If you do that please do not use the purple M3 Aluminum nut. This is a self locking nut with a plastic part inside. This plastic might get weak if you put it to the oven. Remember that Endfest 300 gets lower viscosity when heated up. Put it upright in the oven or the glue will flow elsewhere.
5. When putting the back support to the fuselage make sure that you have at least 1mm of clearance between the edge of the Aluminum bolt and the back side of the Q80. See picture below. You have to ensure that the o-ring will sit about in the middle of the ball bearing of Q80 rotor.

6. Before gluing the parts to the fuselage make sure that the screws are aligned in the middle of the slots, so you have enough adjusting possibilities later on.
7. Make sure that the back support is exactly 90° to the motor axis. So only the o-ring has contact with the ball bearing.
8. If you need far more side thrust later on, you have the possibility to replace the carbon shims by smaller ones and adapt the axis of the back support.

Good flights...
Ralph Schweizer