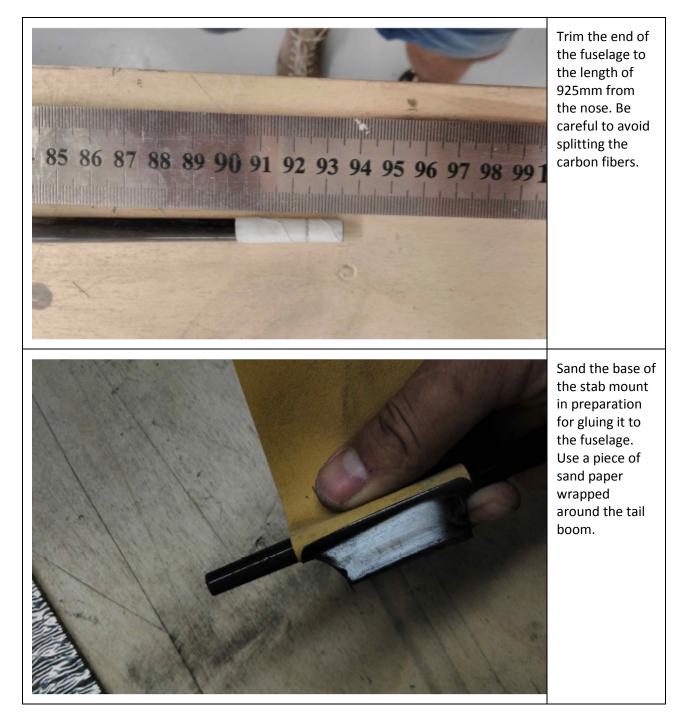
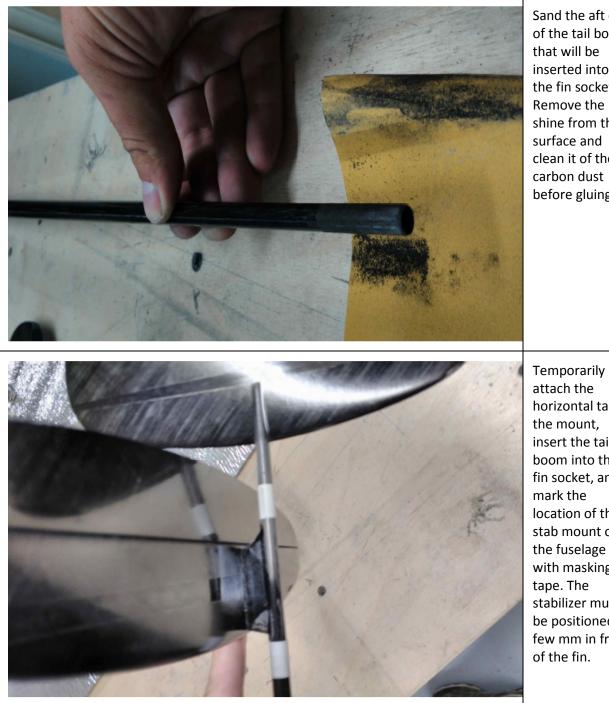
FLITZEBOGEN-2 Assembly instructions





The objective is to remove the shine from the base of the stab mount for proper adhesion to the tail boom.

Use a small round file to remove the shine from the inside of the socket on the vertical fin. The walls of the socket are very thin, so be careful not to break them.



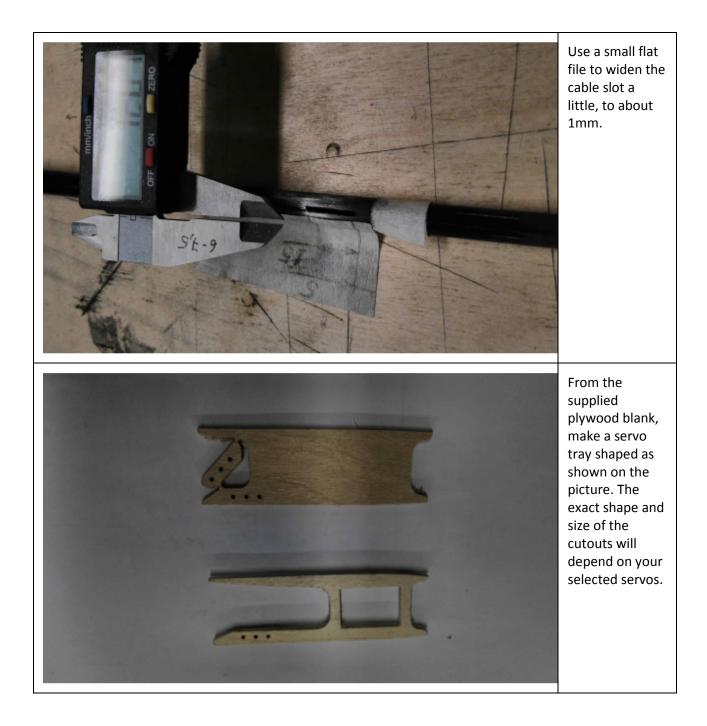
Sand the aft end of the tail boom that will be inserted into the fin socket. Remove the shine from the surface and clean it of the carbon dust before gluing.

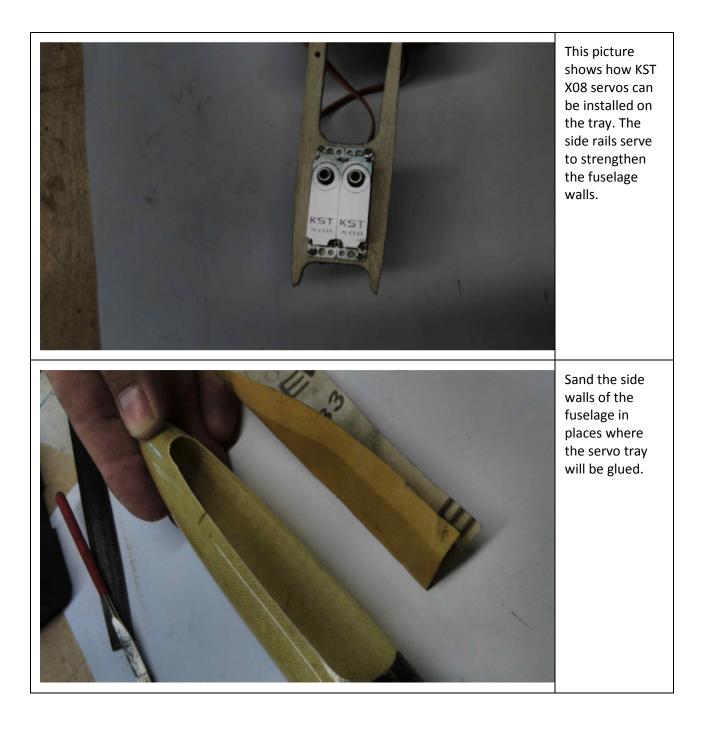
attach the horizontal tail to the mount, insert the tail boom into the fin socket, and mark the location of the stab mount on the fuselage with masking tape. The stabilizer must be positioned a few mm in front of the fin.

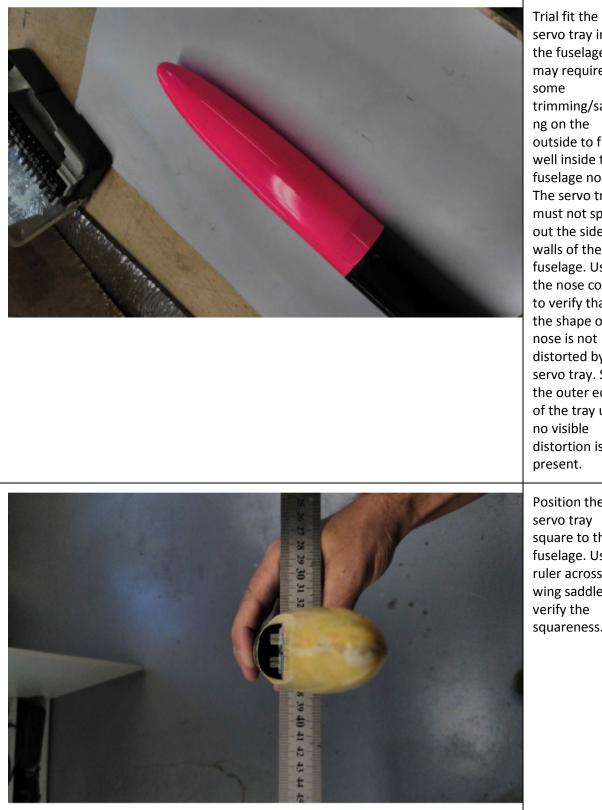


Sand the tail boom between the marked places to prepare it for gluing the stab mount.

Use a Dremel tool to make a slot for the elevator control cable. The slot must be about 15mm long and positioned about 5mm from the aft mark.

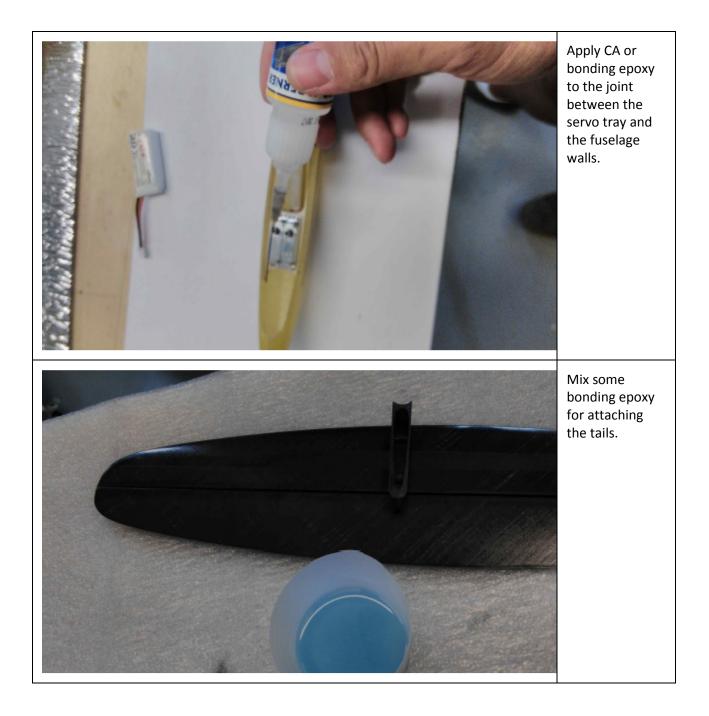


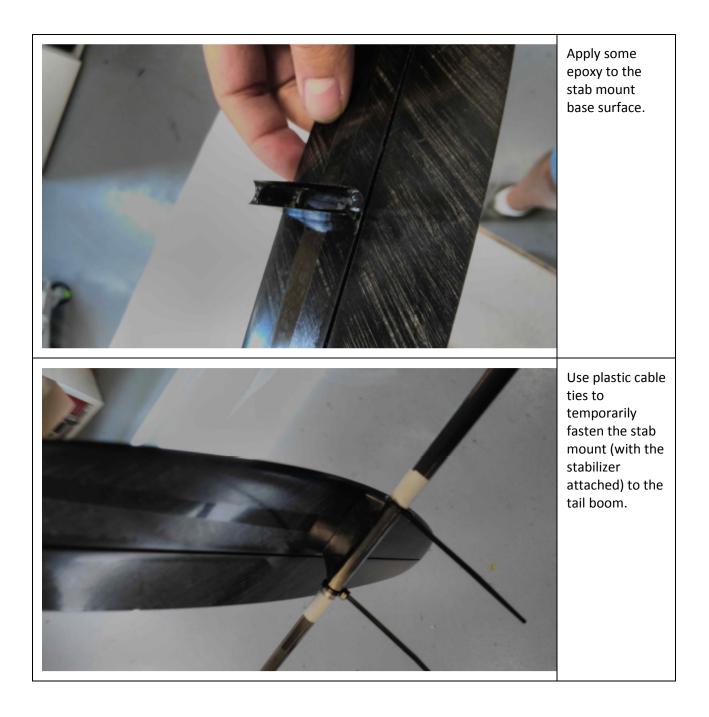


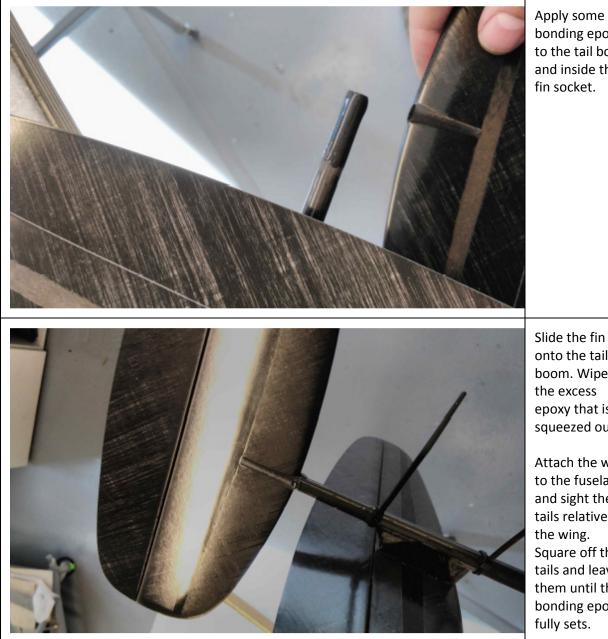


servo tray inside the fuselage. It may require trimming/sandi ng on the outside to fit well inside the fuselage nose. The servo tray must not spread out the side walls of the fuselage. Use the nose cone to verify that the shape of the nose is not distorted by the servo tray. Sand the outer edges of the tray until no visible distortion is present.

Position the servo tray square to the fuselage. Use a ruler across the wing saddle to verify the squareness.







bonding epoxy to the tail boom and inside the fin socket.

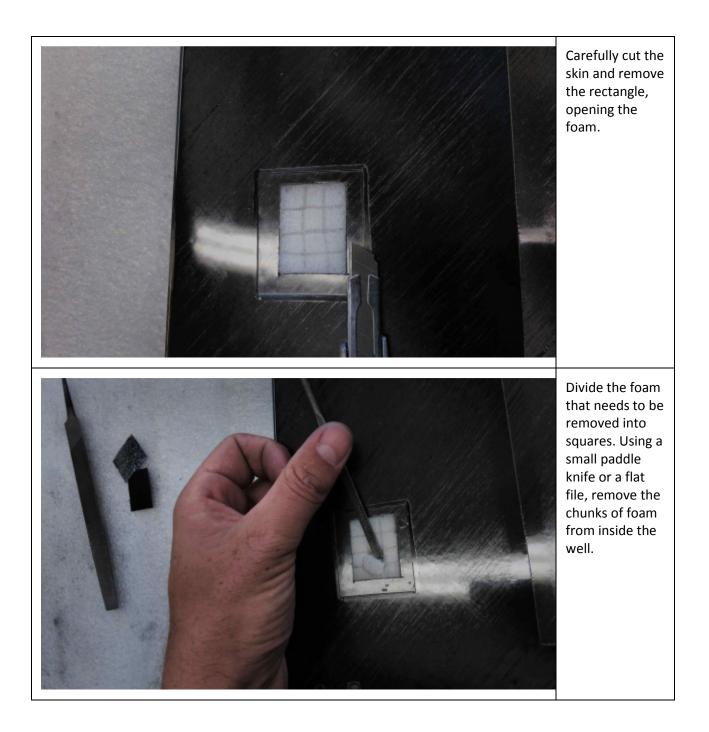
Slide the fin onto the tail boom. Wipe off the excess epoxy that is squeezed out.

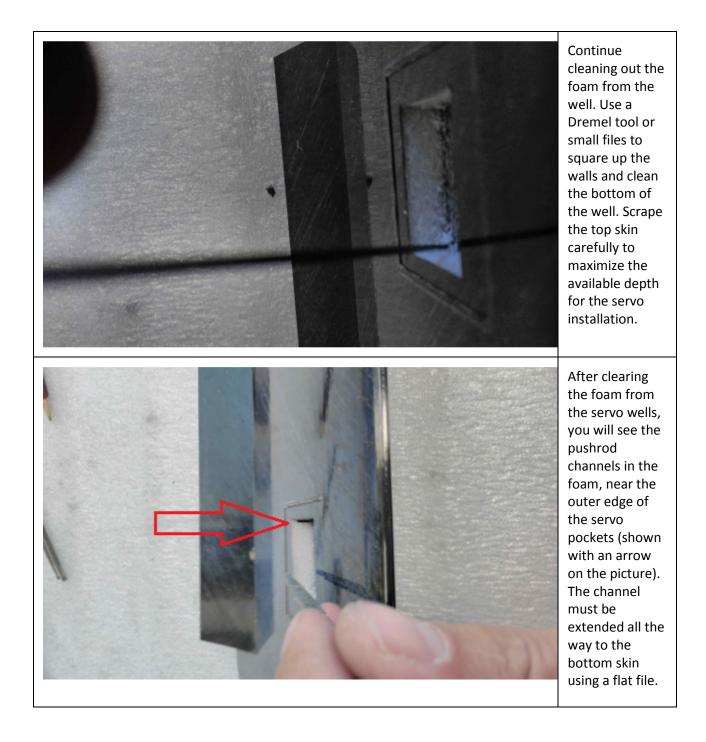
Attach the wing to the fuselage and sight the tails relative to Square off the tails and leave them until the bonding epoxy

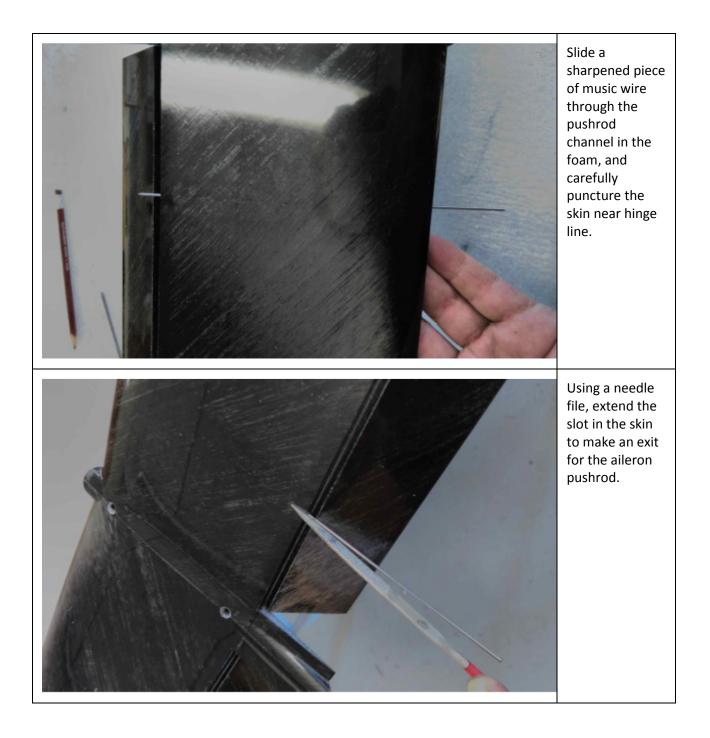


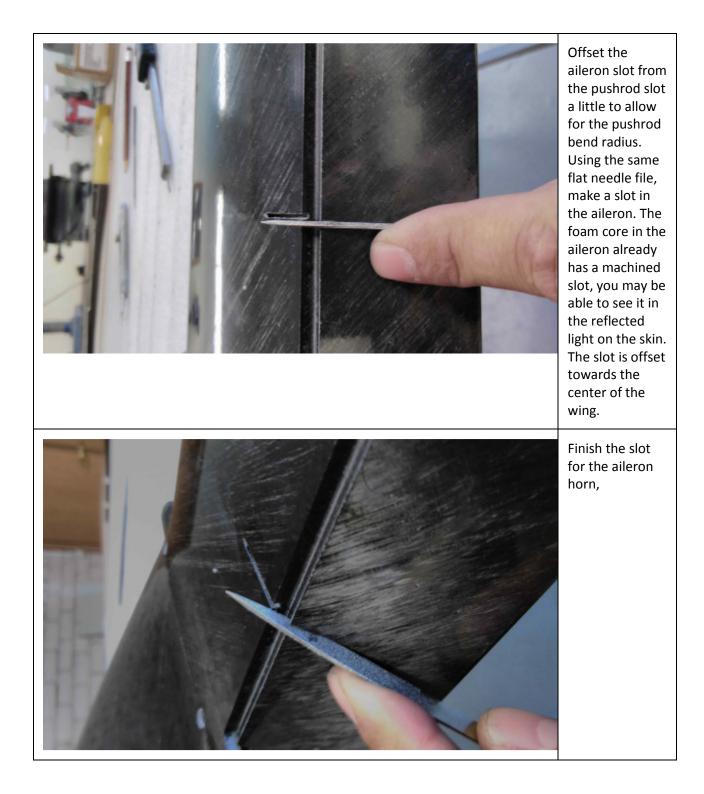
Make servo wells in the wings. The wings have indentations for the servo covers. The indentations are designed for KST X08 servos (most of the other suitable servos have smaller footprint). The servo locations are selected such that the spar strength is compromised. The aileron pushrod channels are made in the foam core at the factory prior to forming the skins.

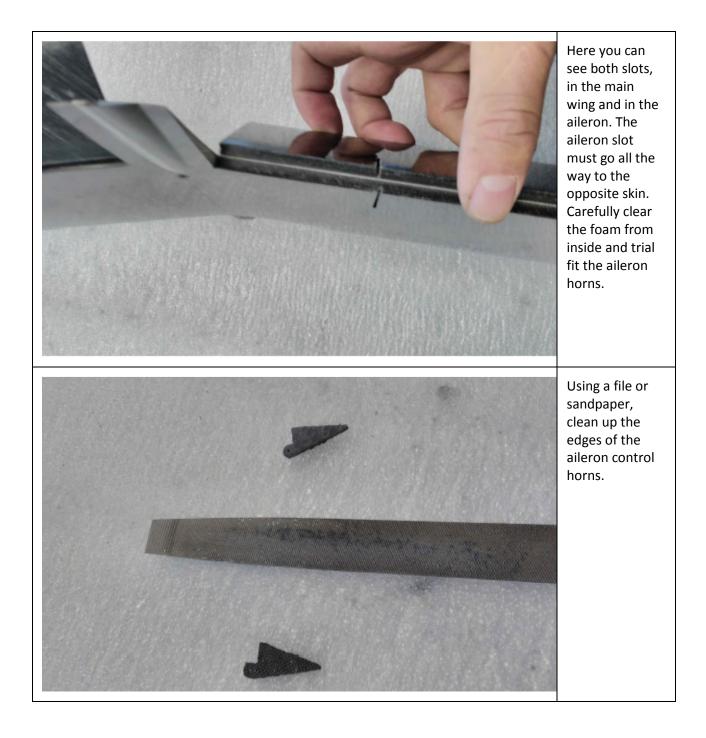
When cutting the servo wells, avoid cutting through the opposite skin.

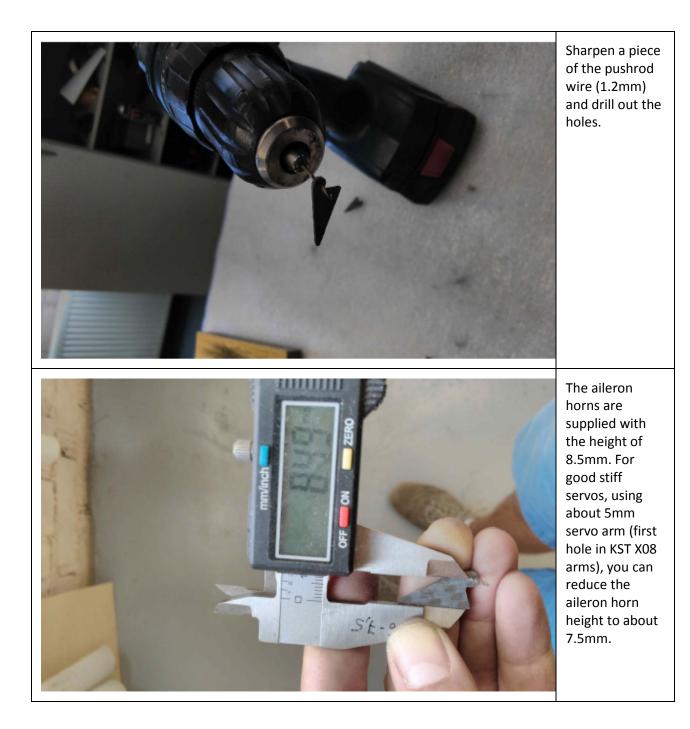


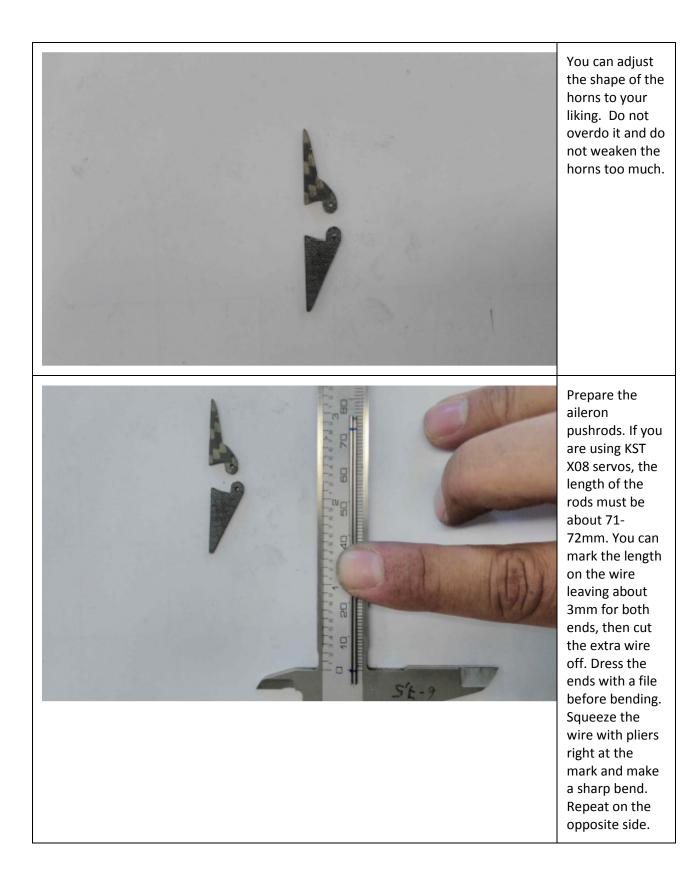


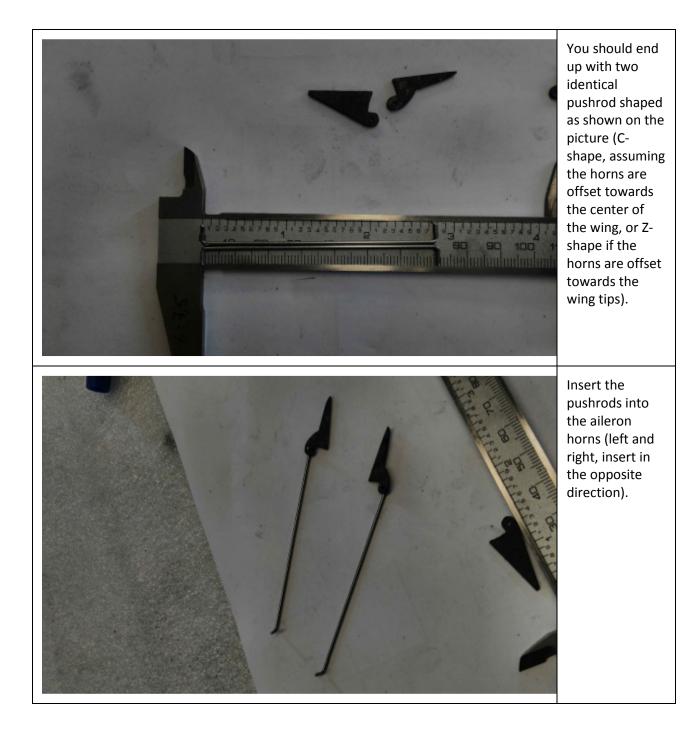




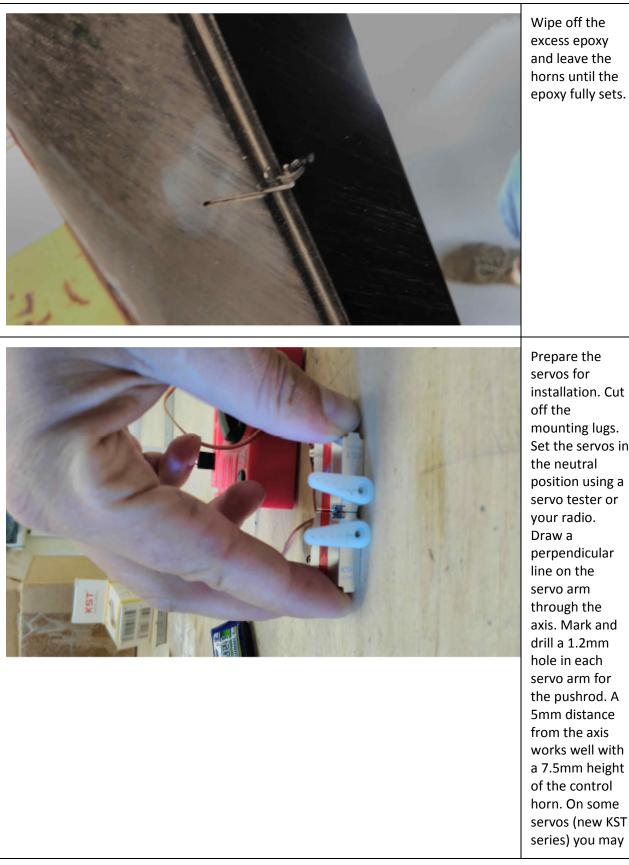




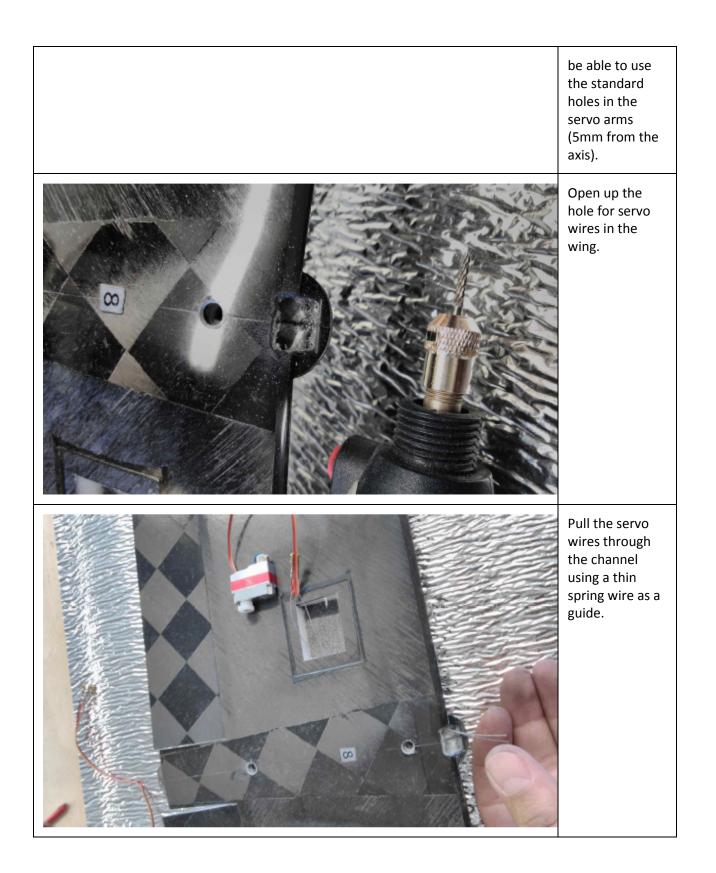




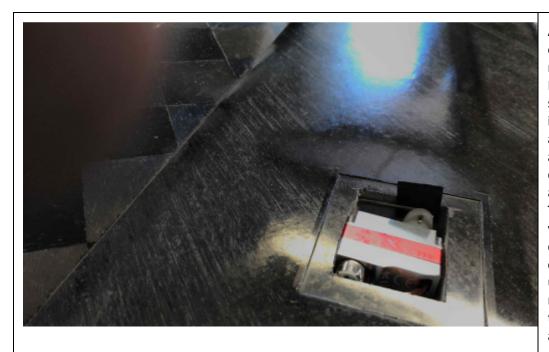




Prepare the servos for installation. Cut mounting lugs. Set the servos in the neutral position using a servo tester or your radio. perpendicular line on the servo arm through the axis. Mark and drill a 1.2mm hole in each servo arm for the pushrod. A 5mm distance from the axis works well with a 7.5mm height of the control horn. On some servos (new KST series) you may

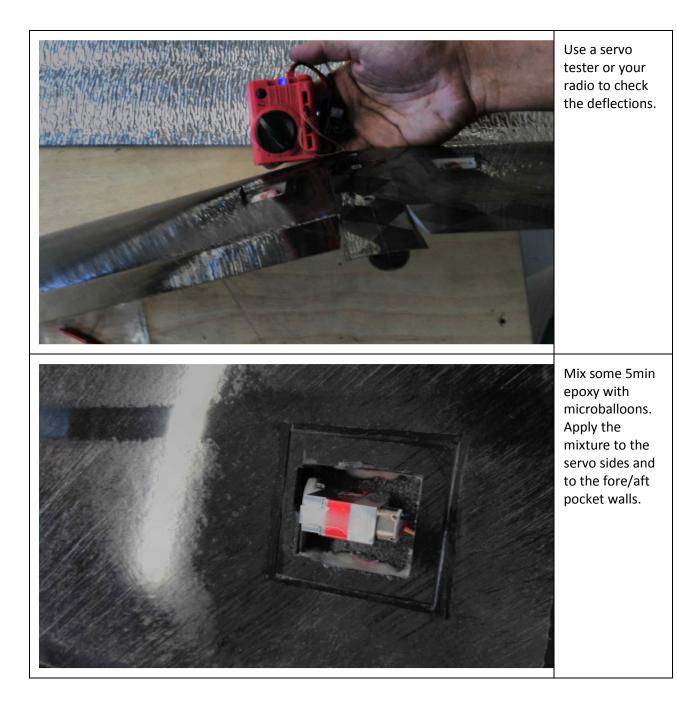


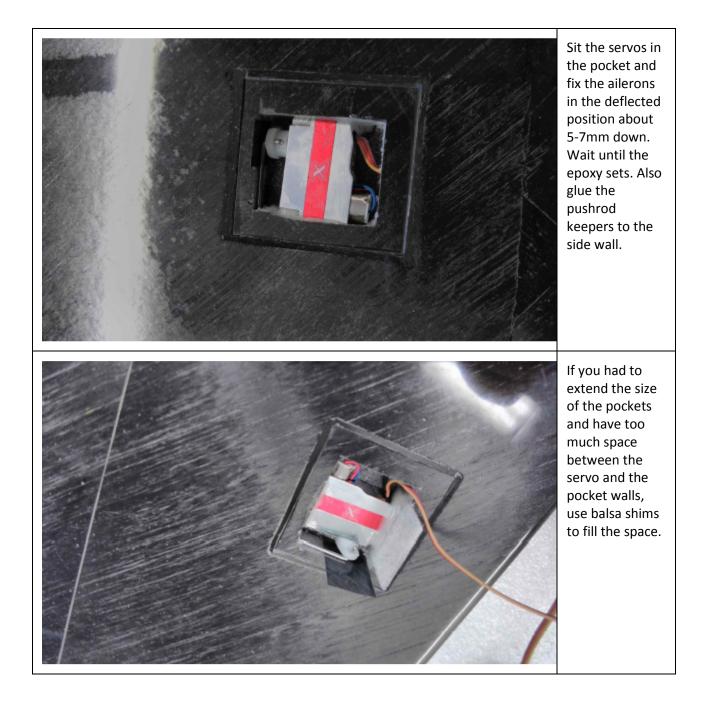


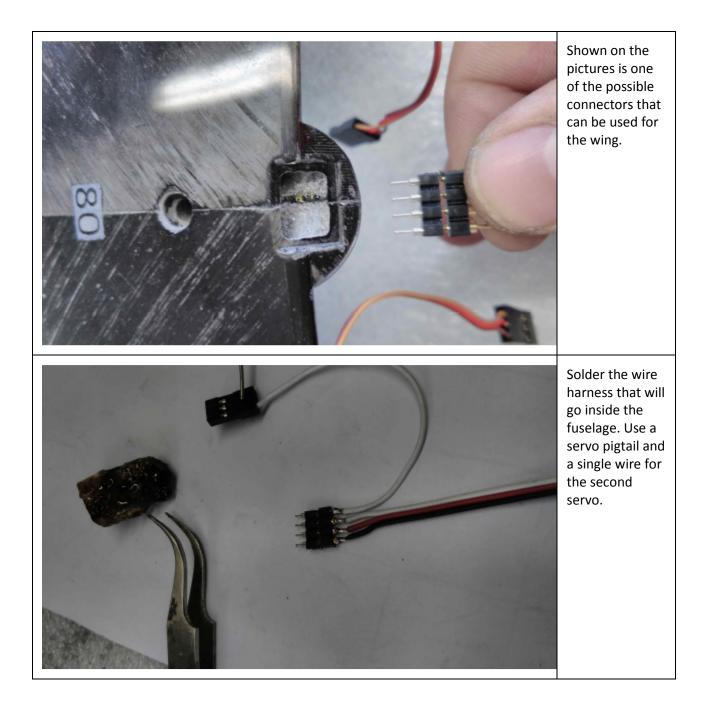


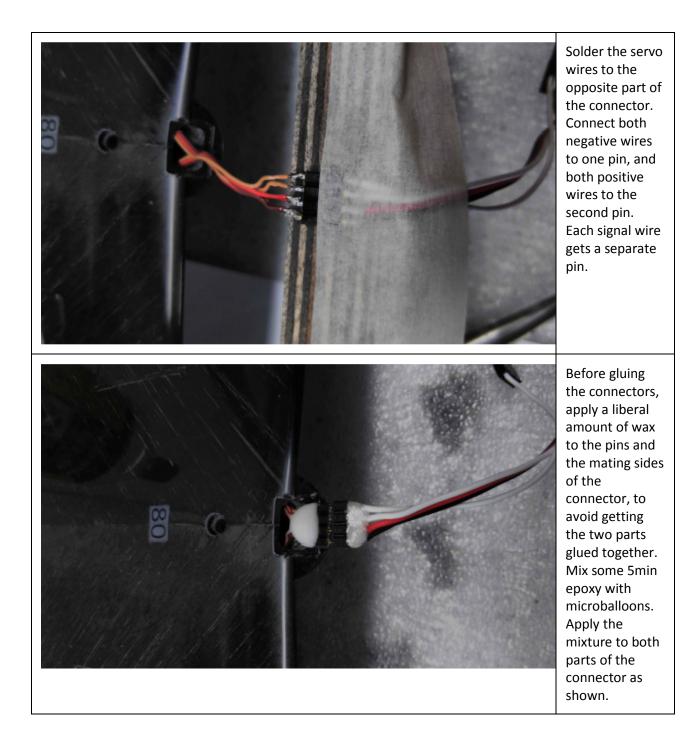
Adjust the size of the pocket if necessary. Position the servo such that in neutral servo arm position the ailerons are deflected down about 5-7mm. This should give you the total deflection down of 35-40mm and up about 13mm, measured from the neutral airfoil trailing edge.

Use a piece of carbon wing skin or a very thin plywood to make keepers for the pushrods, to prevent them from coming out of the servo arms.







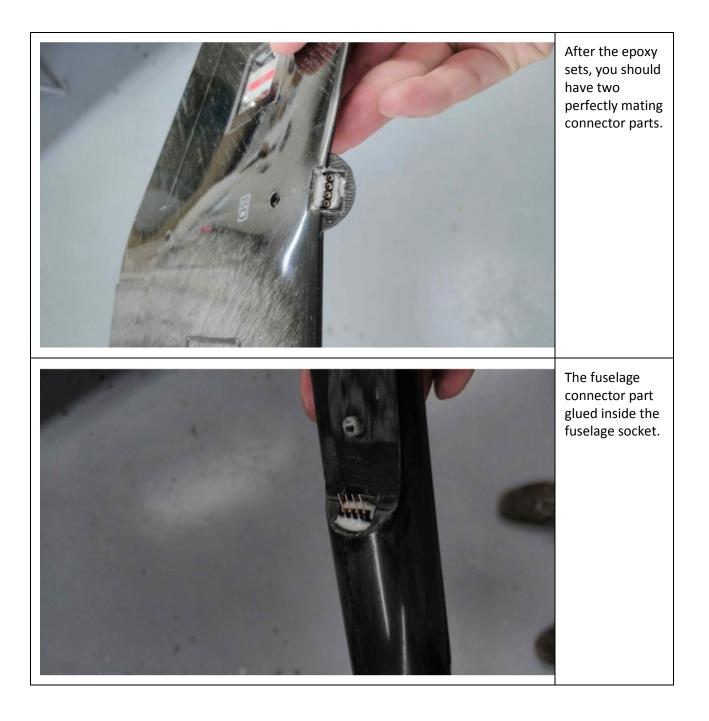


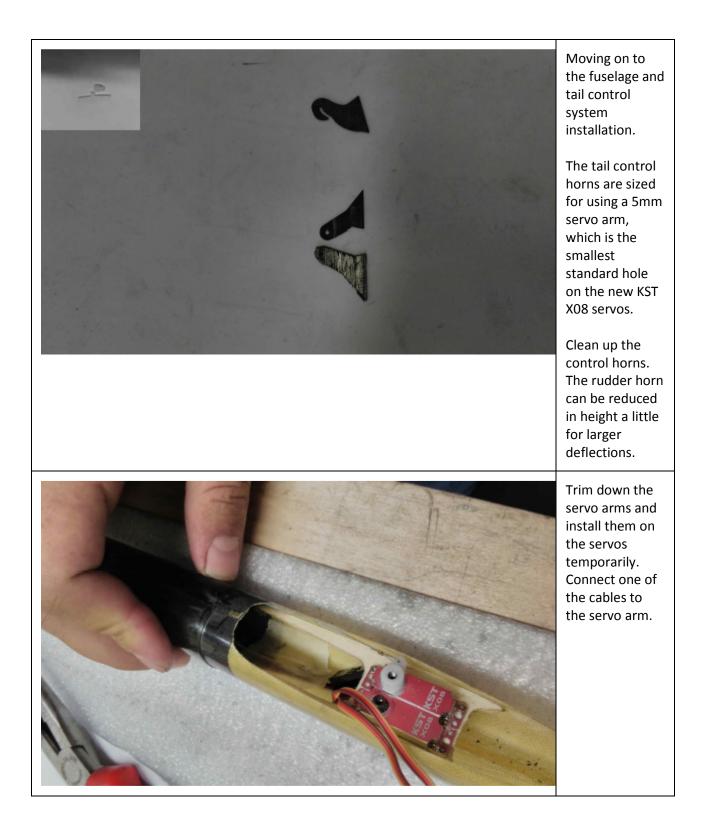


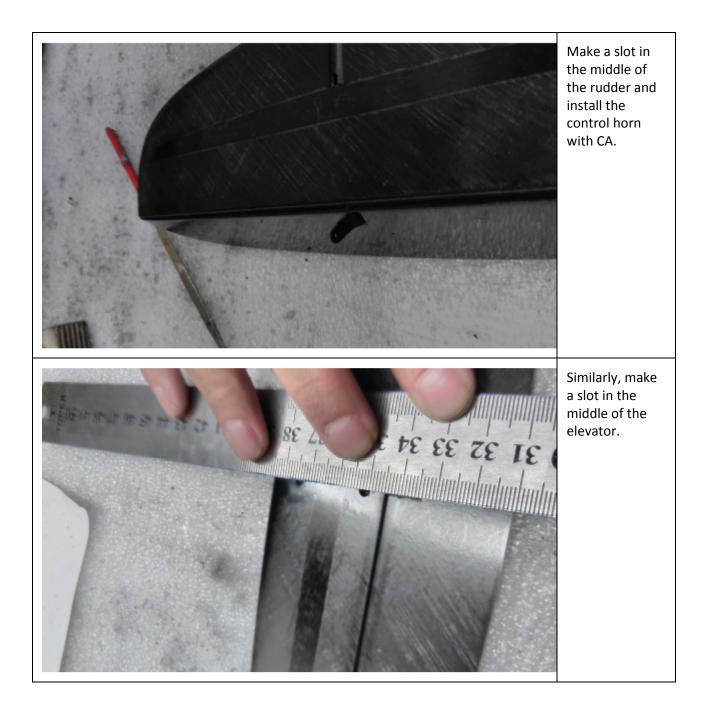
Insert the wing part of the connector into the wing hole. Pull the servo wires from the pockets to remove the slack and allow the connector to sit deep in the hole.

Carefully insert the wire harness into the fuselage hole and install the wing on the wing saddle. Bolt the wing down and leave it attached until the epoxy sets and the fuselage wire harness gets glued in place.

It may be easier to first glue the wing part, and only then glue the fuselage part.









Glue the elevator control horn in the slot with CA.

The rear side of the stab mount must be trimmed off such that the elevator control horn can enter inside without interference.



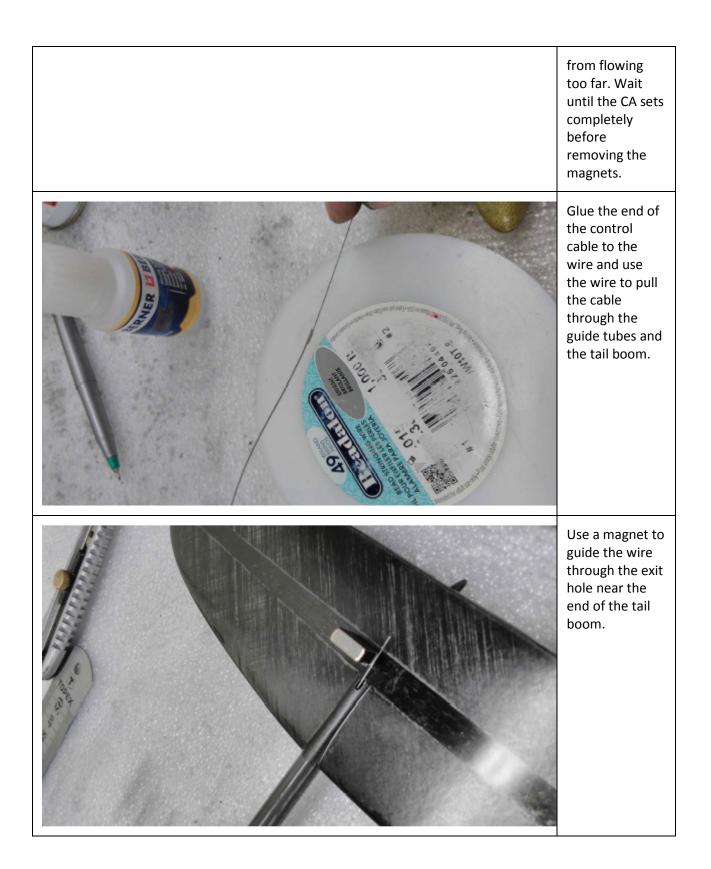


It is recommended to install guide tubes for the control cables, which extend to about the trailing edge of the wing.



To install the guide tubes, use a long straight piece of music wire, about 0.8mm in diameter. Insert the wire into the tube, position it inside the fuselage, and use small magnets to hold the wire with the tube in place.

Dribble a few drops of CA onto the tube and let it run along the tube for a few (10-15) seconds. Then position the fuselage horizontally to stop the CA





Pull the rudder cable through the tail boom. Attach the rear end to the control horn with a crimp.



Repeat the procedure with the elevator cable. Guide the wire through the exit hole under the stab mount using a magnet.



