

fuselage

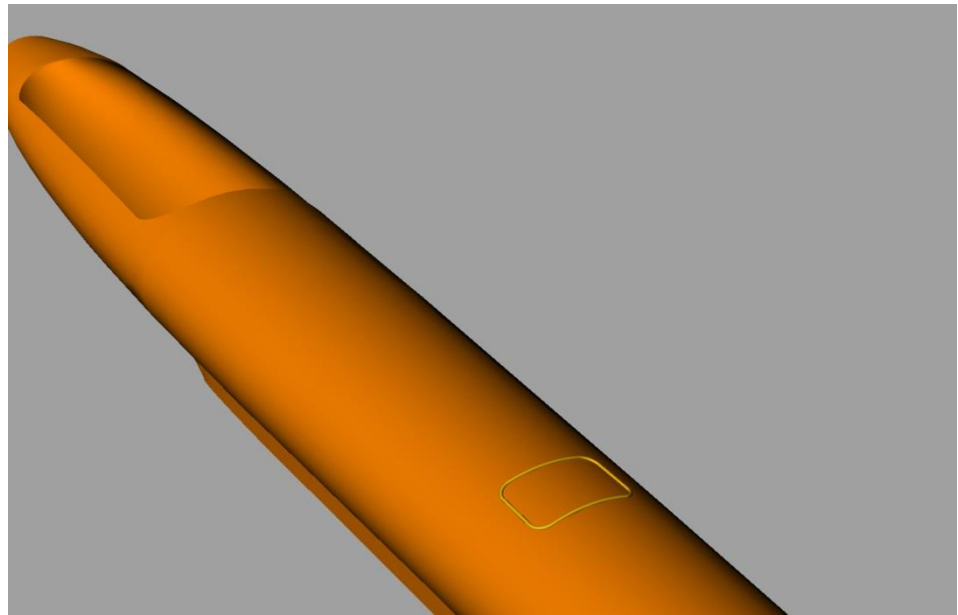
Recommended gear :

Aileron servos: graupner des 428 (I recommend metal gear servos!)

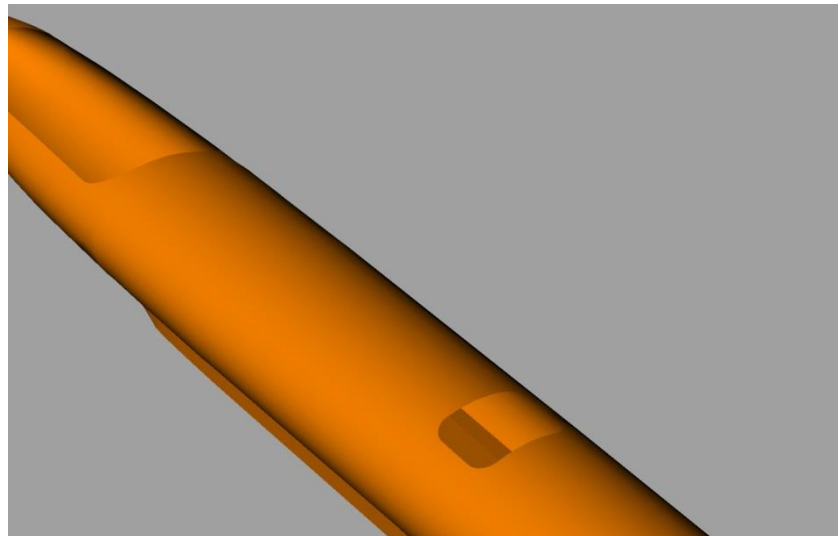
Tail servos: dymond d47 or similar sized

Battery: 2 900mah round lipo cells in series or parallel, perfect in size and weight.

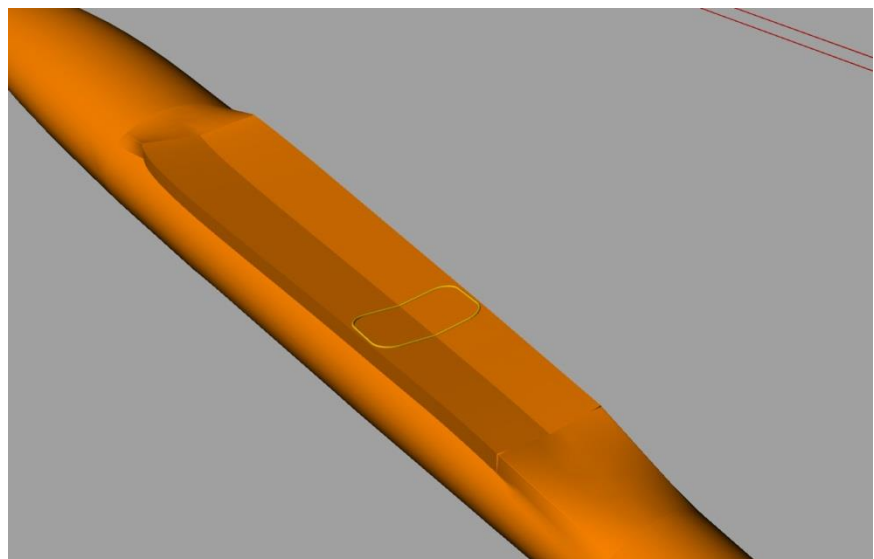
Locate the molded mark on the bottom of the fuselage.



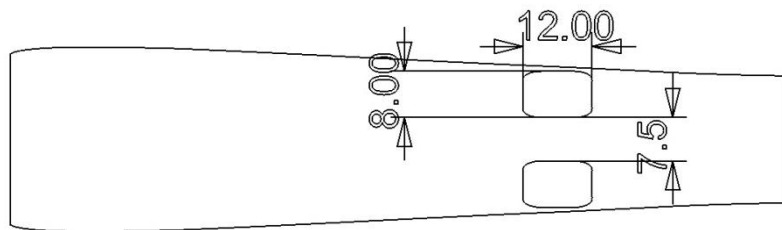
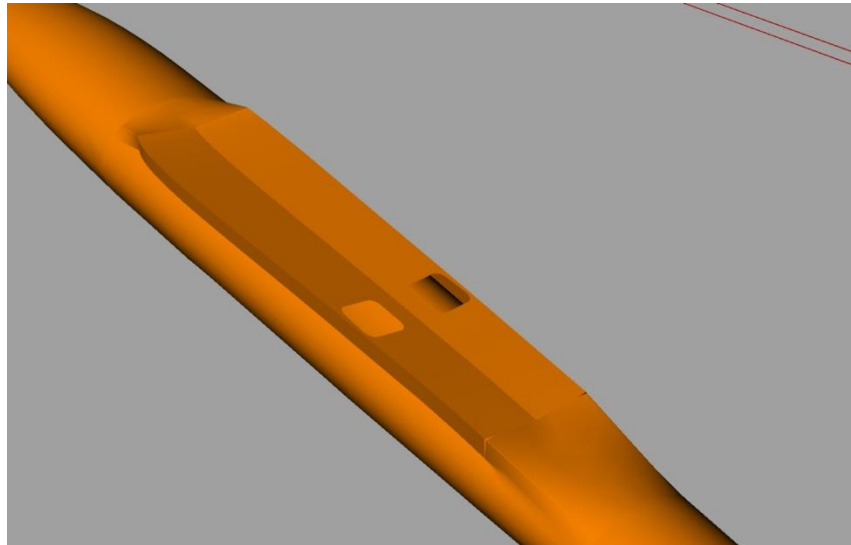
cut this piece out on the outside of the mark, make sure there are no sharp corners as these are stress points! Make them round like shown on the drawing.



Locate the molded mark on top of the fuselage.



Cut 2 pieces out using the dimensions provided below.
Again don't make sharp corners!

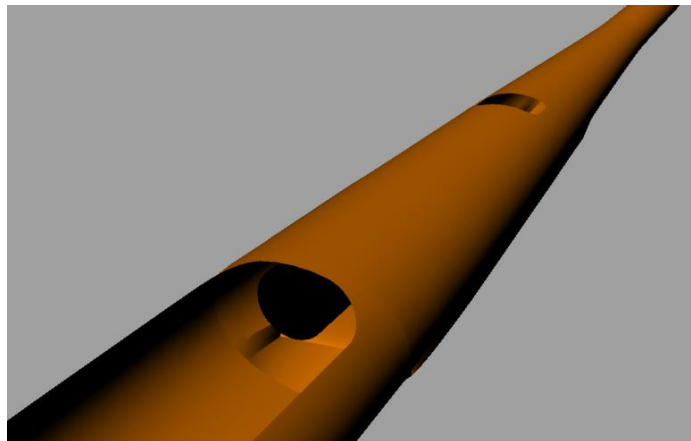


If you have ordered the optional ballast tube (or kit) glue the tube to the bottom of the fuselage, some thick glue like 5min epoxy is preferred for this and be generous with it.

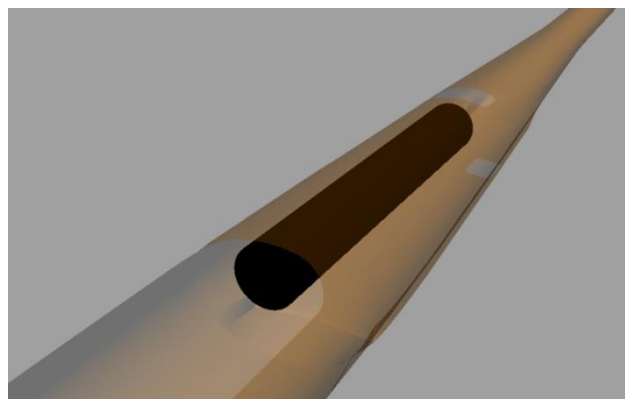
Make sure it runs nicely centered; hold it upright to let it cure.

Tip: -you can make a support in balsa foam or some other support material to keep it in place while curing.

-sand the ballast tube prior to gluing



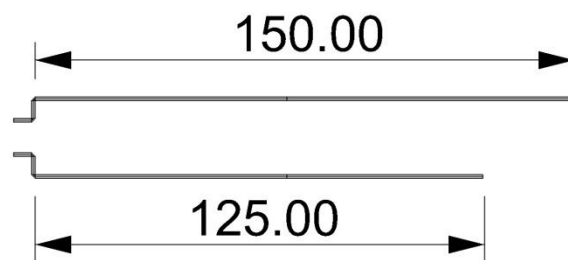
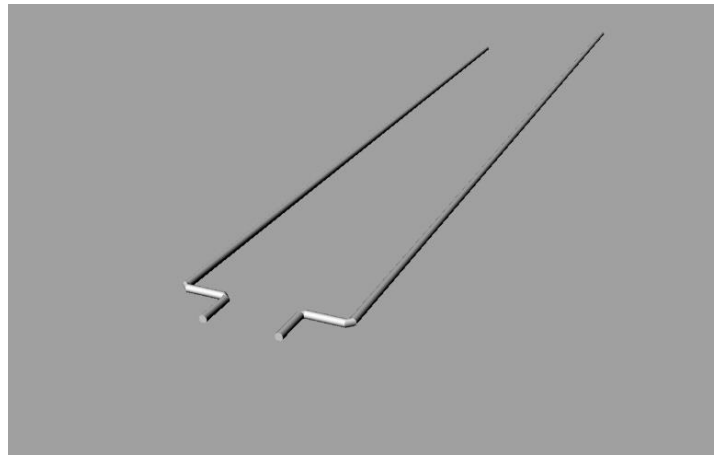
(Fuselage made semitransparent to visualize it)



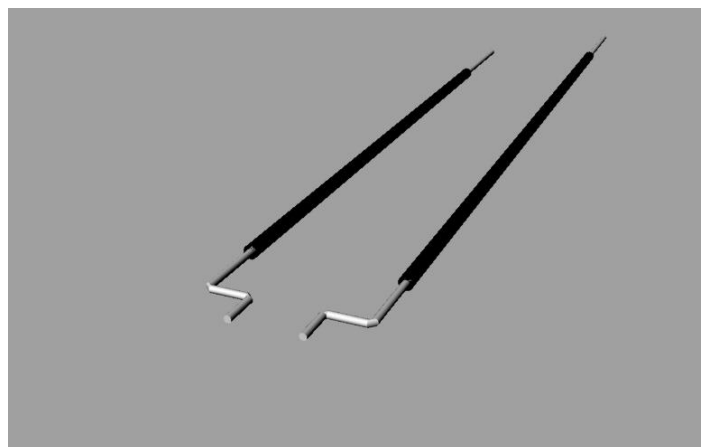
Tip: first try the cf tubes on the steel wire if it doesn't fit smoothly use a dremel to drill out the cf tube, use the 1mm steel wire as drill

Take out 2 of the 1mm diameter steel wires provided with the kit and bend

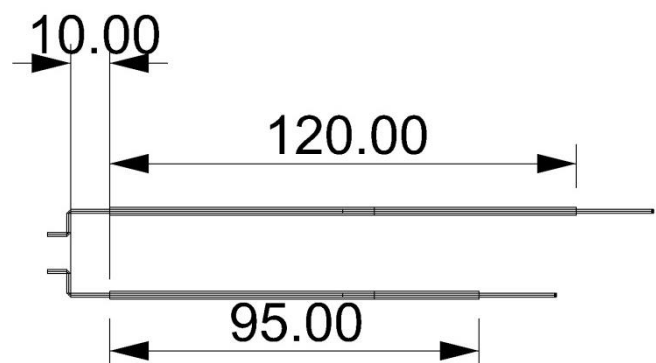
them like shown.



Try to make the z-bend as short as possible (4x4mm max) afterwards cut to length



Take out the 2mm outer diameter cf tubes and cut the too length.

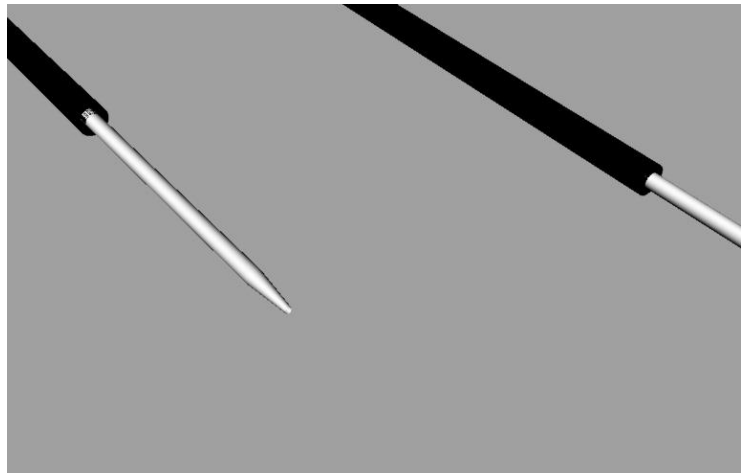


Sand the steel wires with rough grid sandpaper slide the cf tubes in position and let thin CA run in.

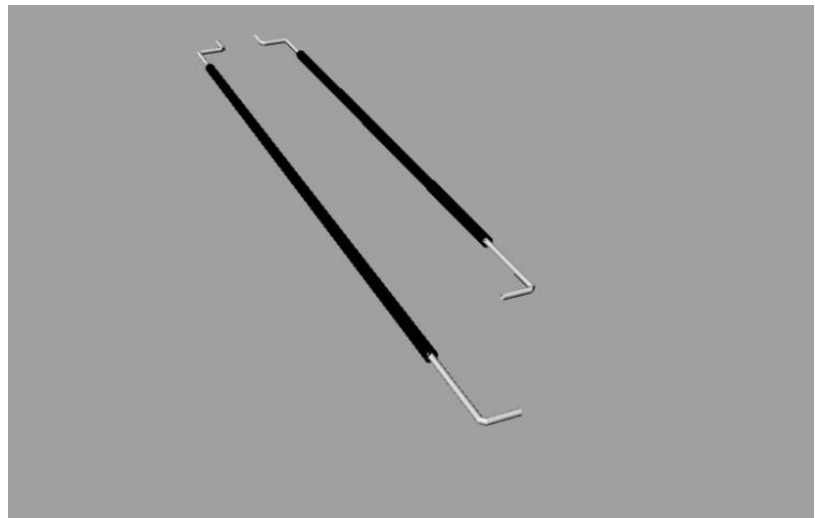
Make the ends of the pushrods pointy; don't need to be a sharp point! A little tapered at the end is enough.

It will make it easier to connect the pushrods.

Do not shorten them while doing this by taking off too much material.

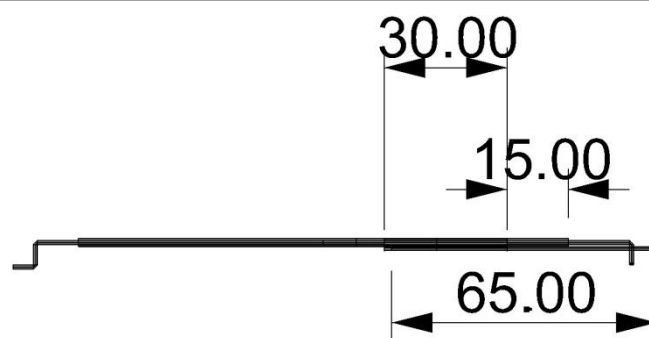
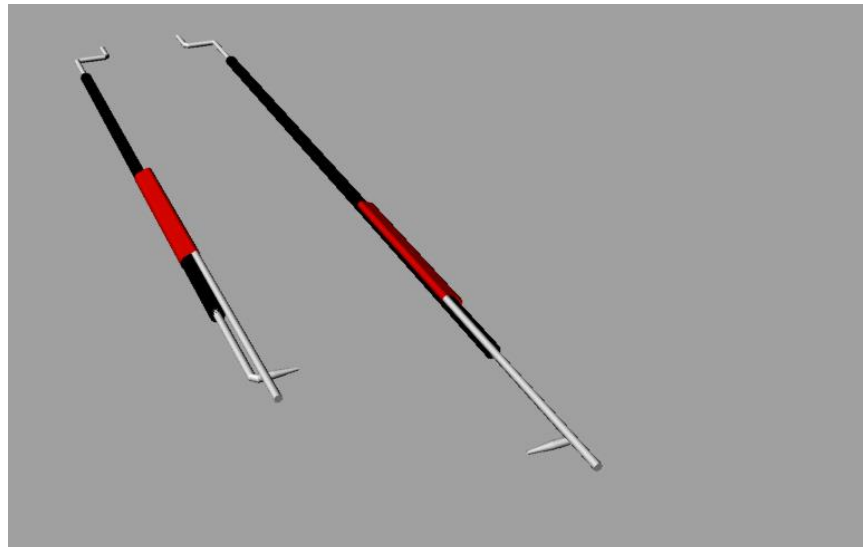


Bend the last 5mm like shown.



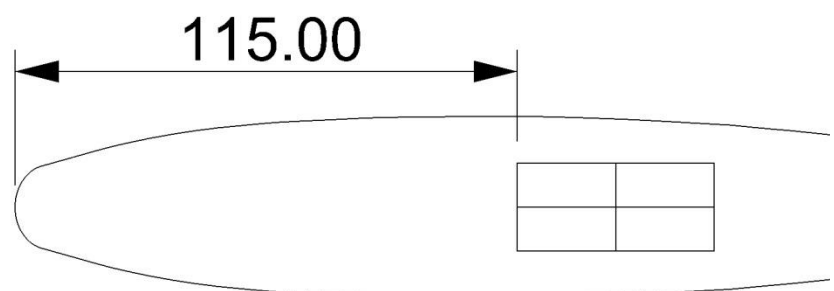
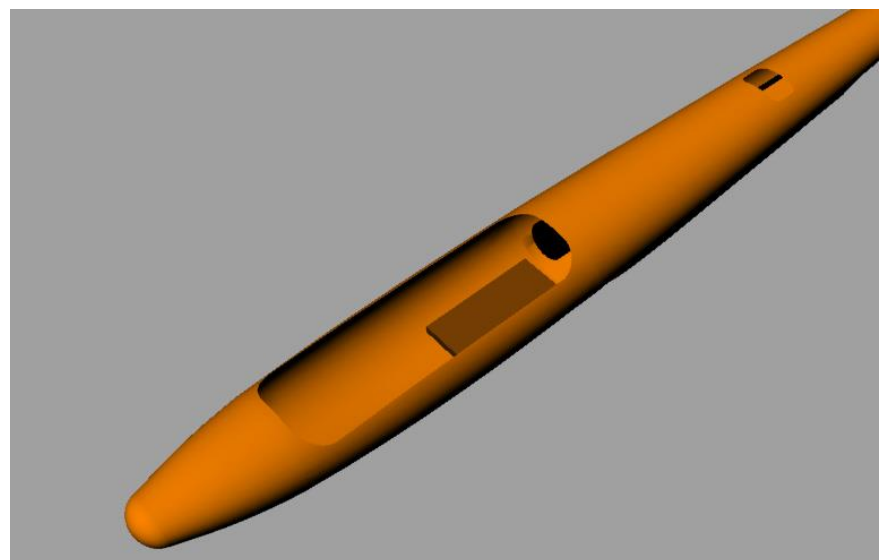
take the 3th 1mm steel wire and cut them according the dimensions provided below (65mm).

secure those with a 30mm piece of shrink tube , let some thin CA run in between once you're done.



Glue in the aileron servo tray (45x20x3mm), sand the inside

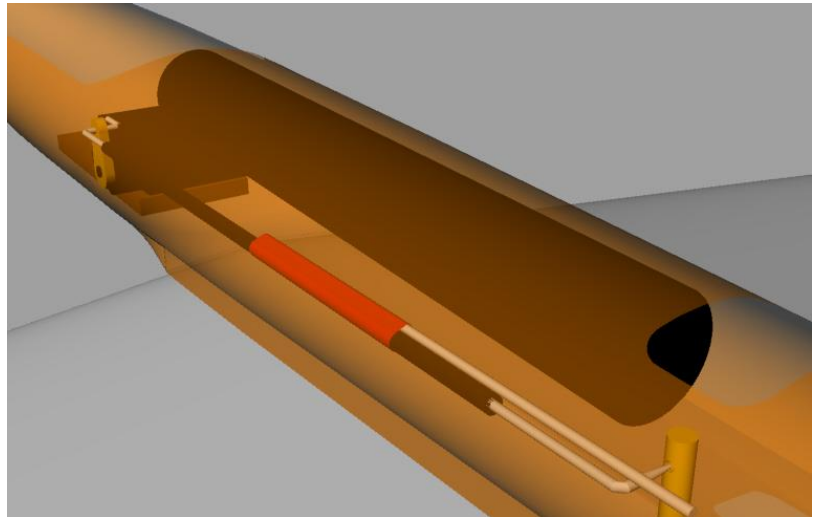
of the fuselage where it will be bonded



Take the shortest pushrod and connect it to the servo using the 2nd hole from center (7mm)

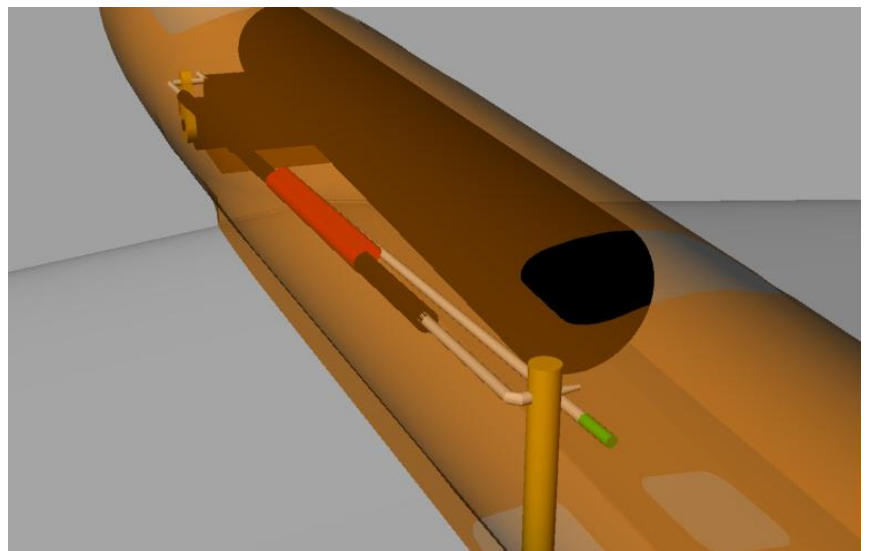
Bolt on the wing and use fine nose pliers to grab the pushrod where it's marked green (2nd drawing)

Once the pushrod is in secure it by getting the green marked steel wire over the brass ailerons control horn like shown.

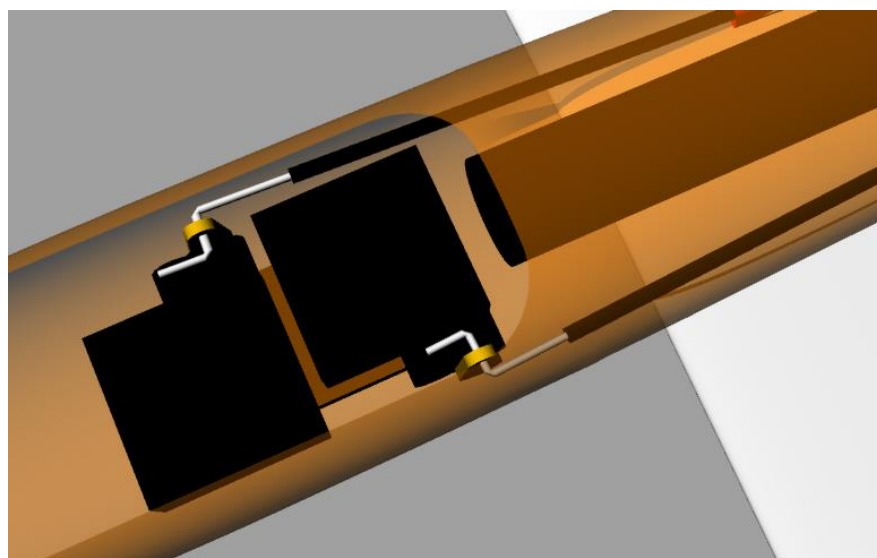


Hold the servo down by hand or clamp it down, if the pushrod doesn't connect fairly easy try to locate misalignment and make adjustments to the pushrod (bends).

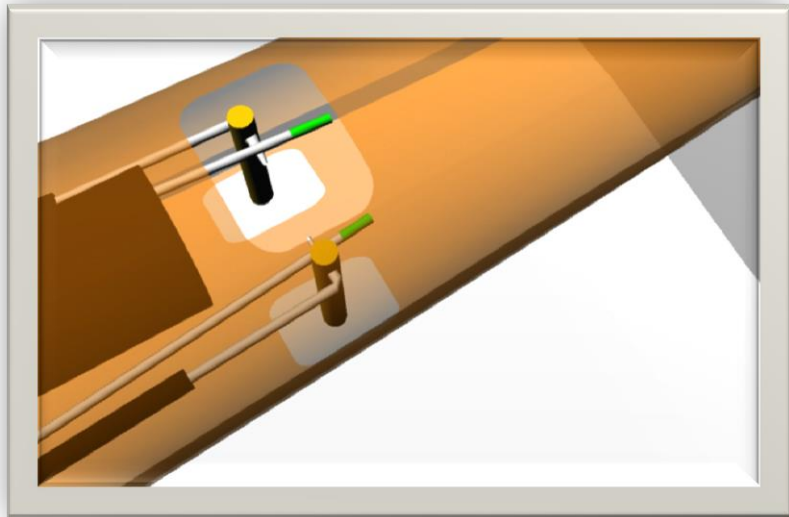
Try again till it goes in easely, because you'll need to connect and disconnect it often!



Repeat for the 2nd servo



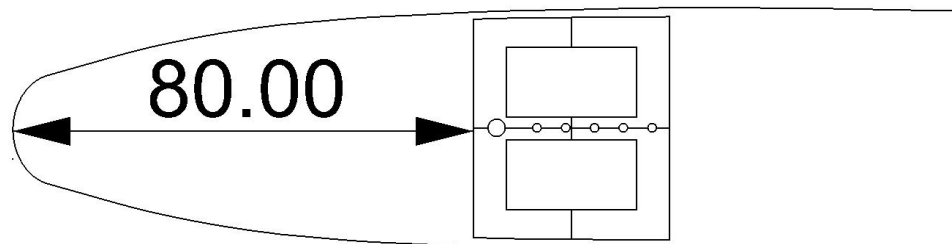
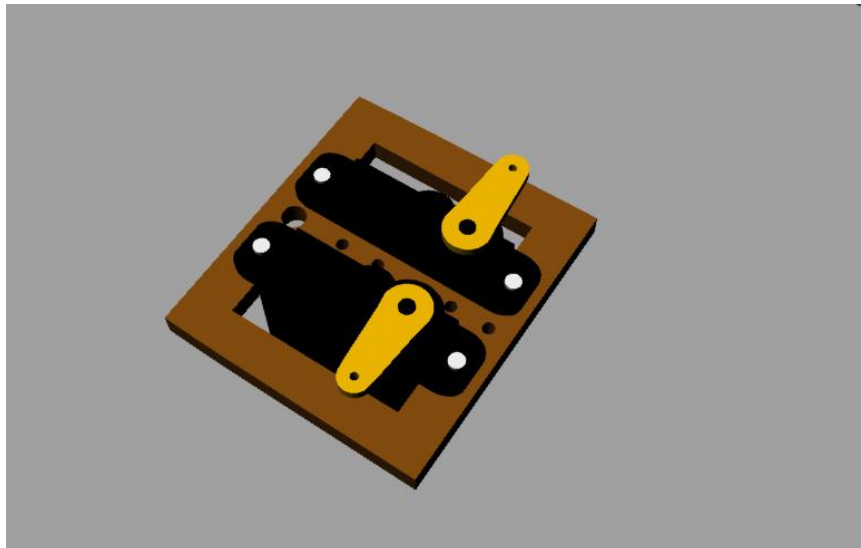
Both pushrods connected.
(Wing in white)



Install the servos (d47) in
the servo tray.

Glue it in the fuselage using
CA+filler or epoxy.

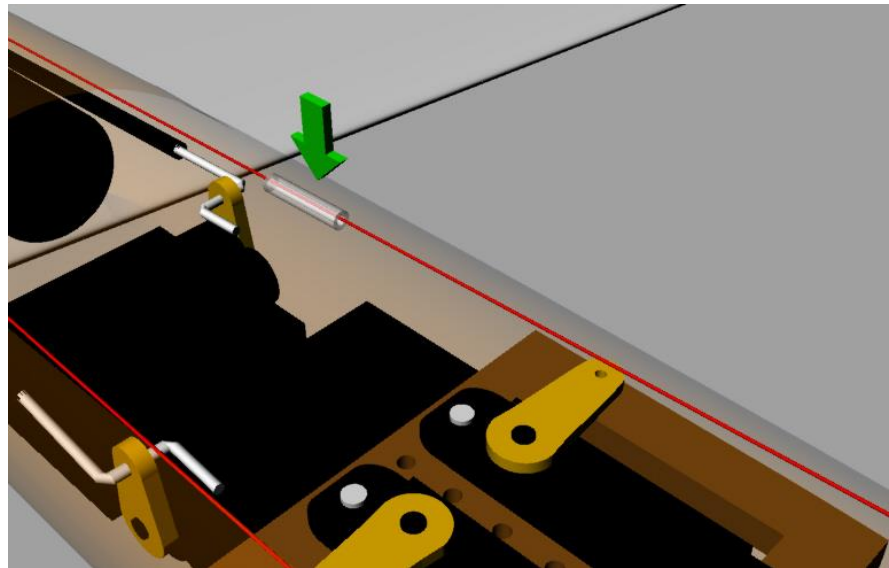
Sand the area where it will
be bonded!



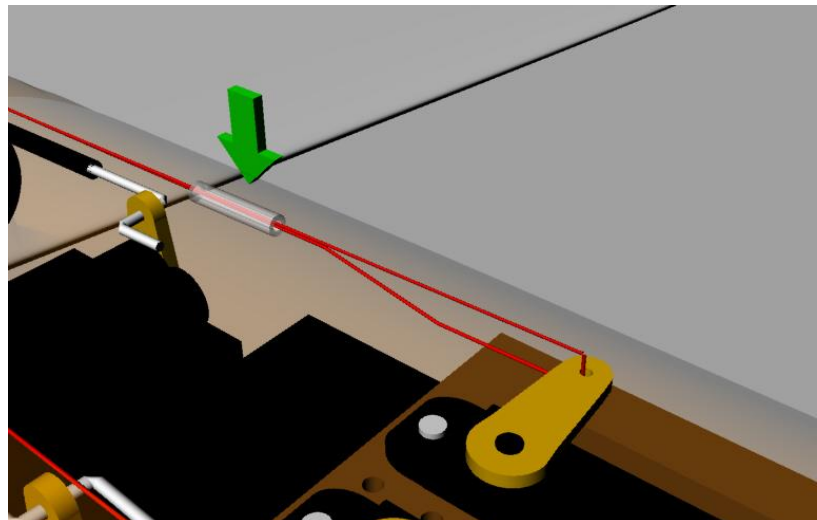
guide the steering lines connected to the tails thru the fuselage, make sure they don't run thru the ballast tube!

Slide another +-8mm piece of plastic tubing (like used on the tails) over the steering line.

(green arrow)



Center the servo in you're tx, put on the servohorns 90° and pull the steering line so there is no rudder or elevator deflection , mark the steeringline where it meets the servohorn hole and bend 90° , proceed like shown here and described in the tail manual.



Servo installation done! as for battery I recommend 2 900mah round lipo cells .

In series with a bec or parrallel with a voltage booster . the rx goes on top of the battery.

