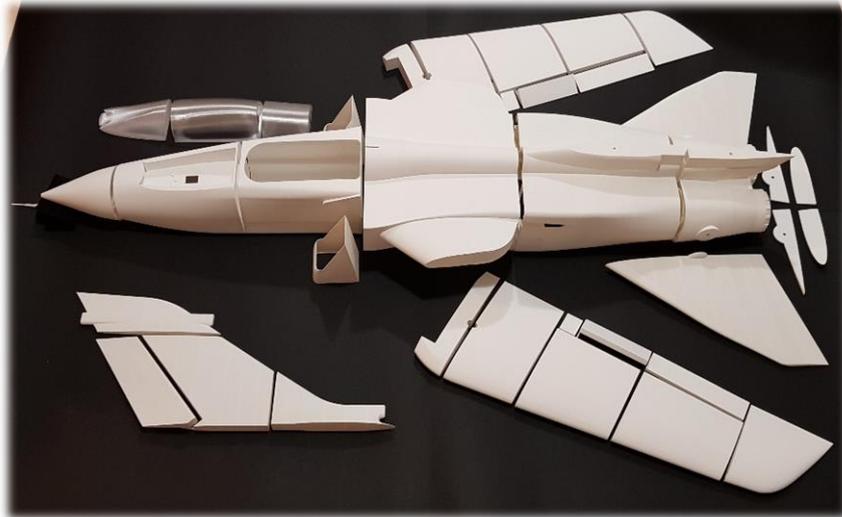


# TORNADO PANAUIA edf 100mm

## Mounting instruction



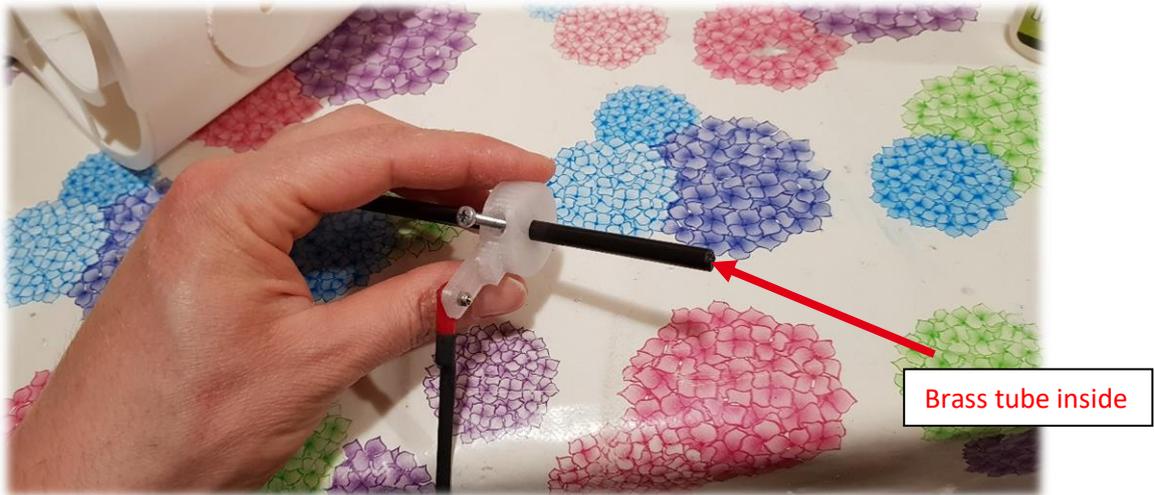
### ➤ Materials / items required for assembly:

- Bonding/glue: Cyanoacrylate medium, activator for cyanoacrylate and cyan spouts dispensers;
- Finishing sandpaper 500/320;
- 1 x Carbon tube diameter 12 mm;
- 1 x Carbon tube diameter 8 mm;
- 1 x Carbon tube diameter 6 mm;
- 1 x Carbon tube diameter 4 mm;
- Ethyl alcohol;
- Cloth for ethyl alcohol (for cleaning surfaces to be bonded)

### • STEP 1



Prepare the following parts as shown in the photo



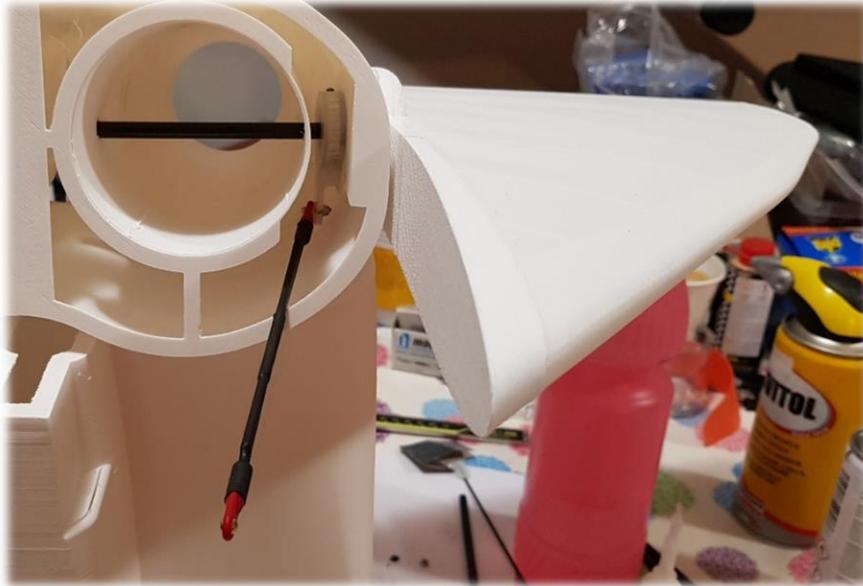
Carbon tube diameter 6 mm with M3 screw, drill the carbon tube to block it.  
**NOTE : Insert a glued brass tube inside the carbon tube to reinforce the lever hole.**



Glue the two parts



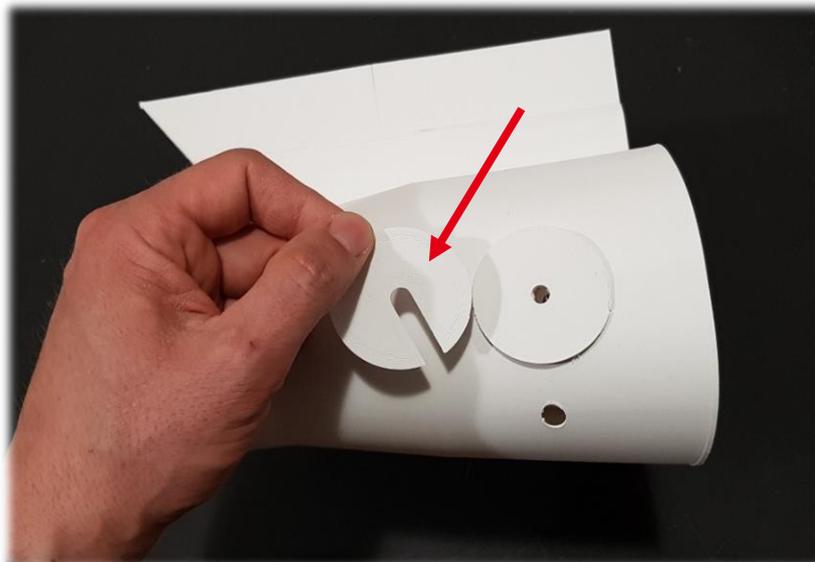
Glue the carbon tube into the tail plane



Detail of the linkage after bonding

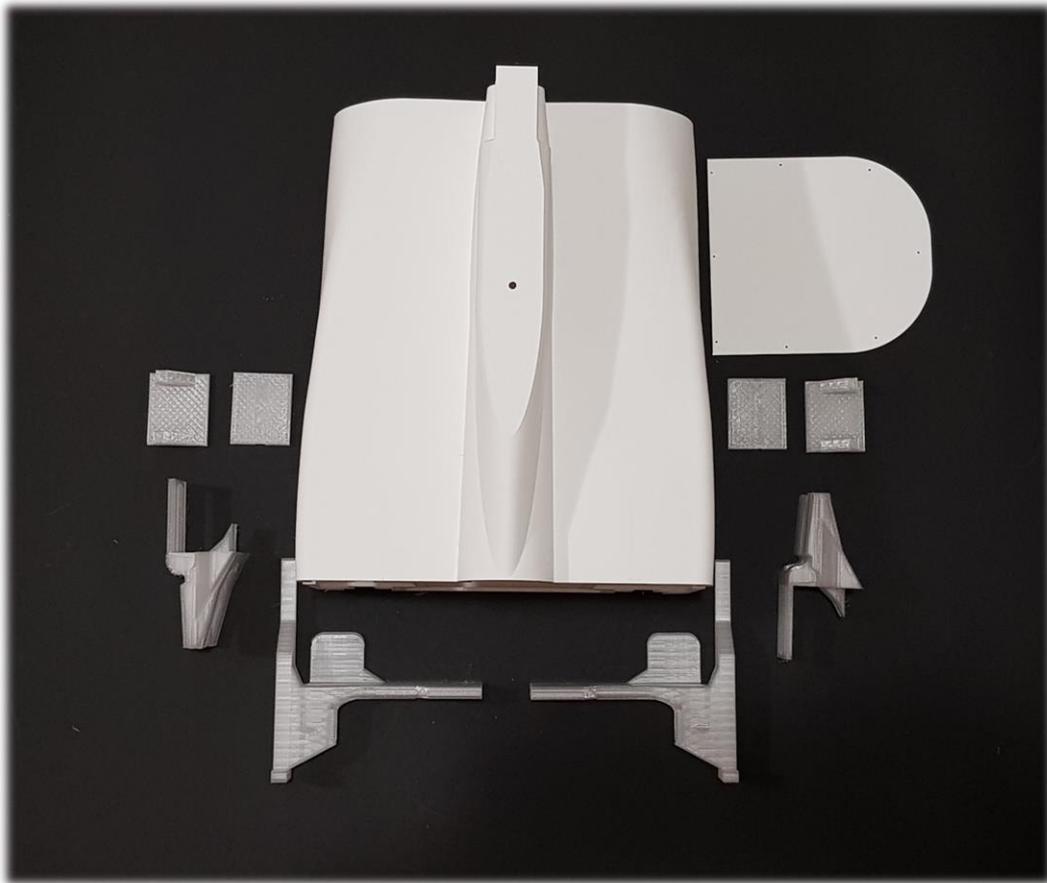


Final step



Use the thickness provided to fill any gaps between the moving part and the fuselage, in this way you are more precise.

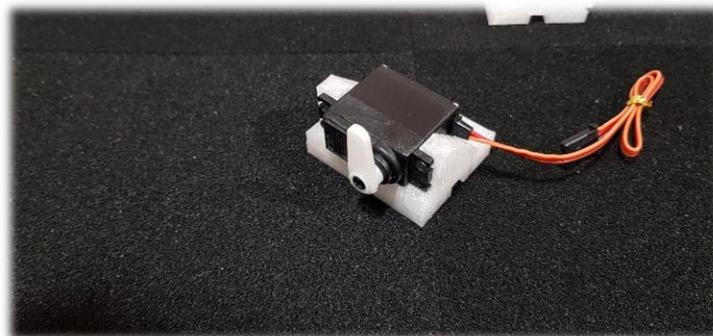
• **STEP 2**



Prepare the following parts as shown in the photo



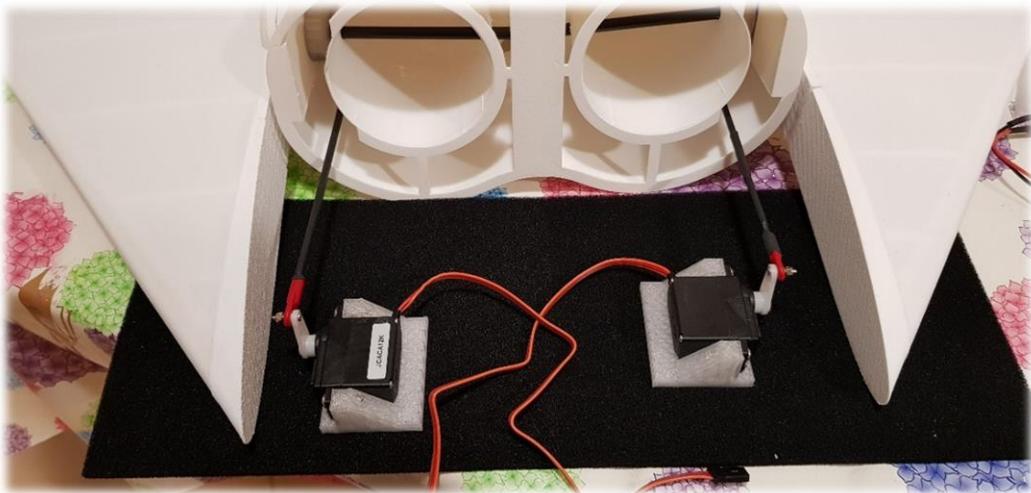
Servo parts ( mini servo type 5/7 kg force )



Screw the servo to the holder provided



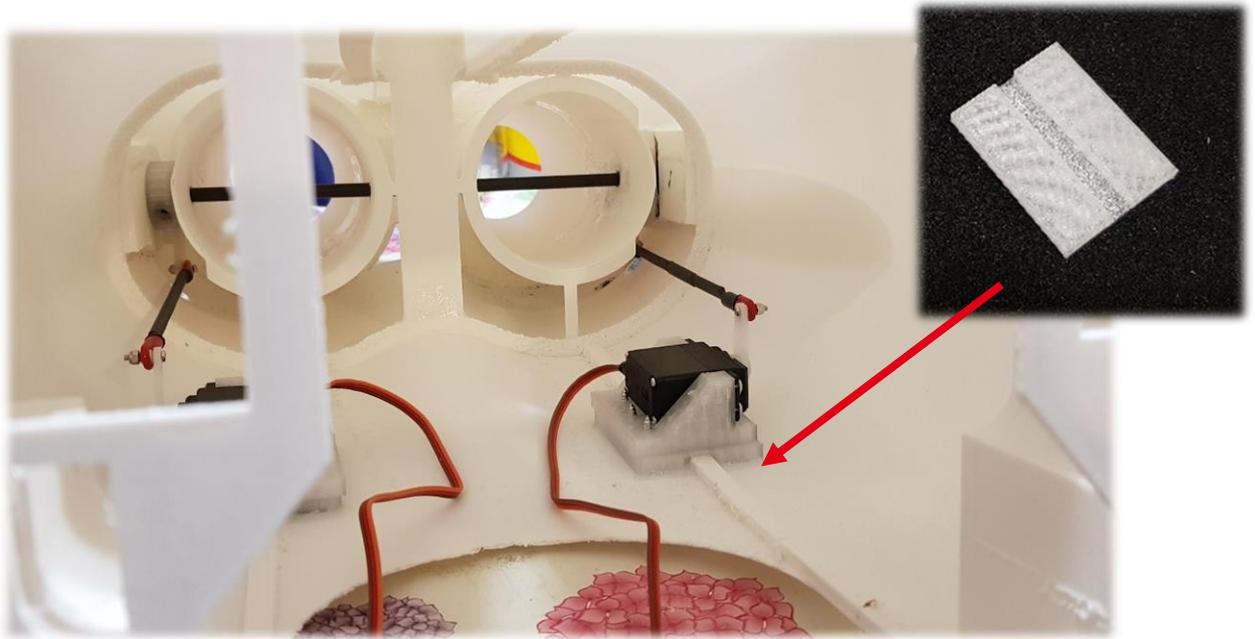
Detail of the installation of servo inside the fuselage



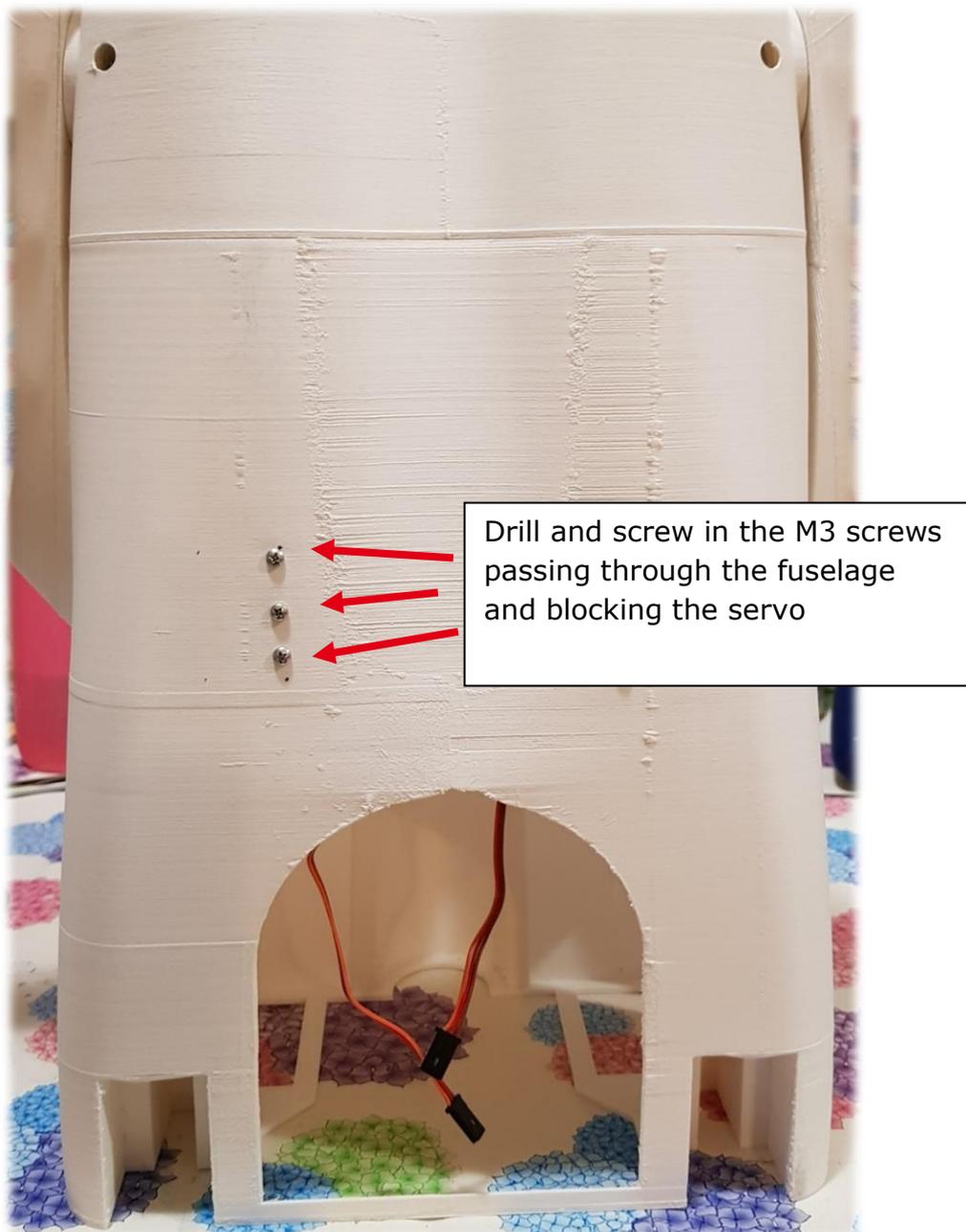
Connect the servo to the moving parts



Glue the two fuselage sections with cyano acrylate glue



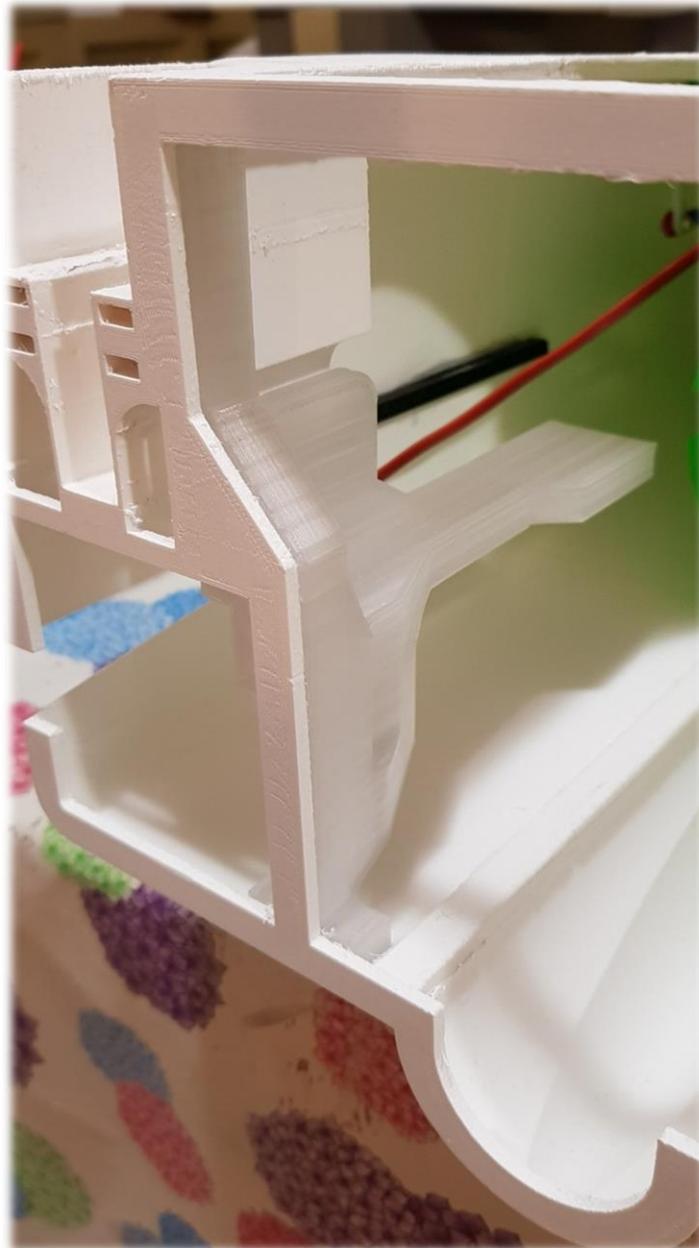
Glue the plates to the guide inside the fuselage and place the servo holder on top



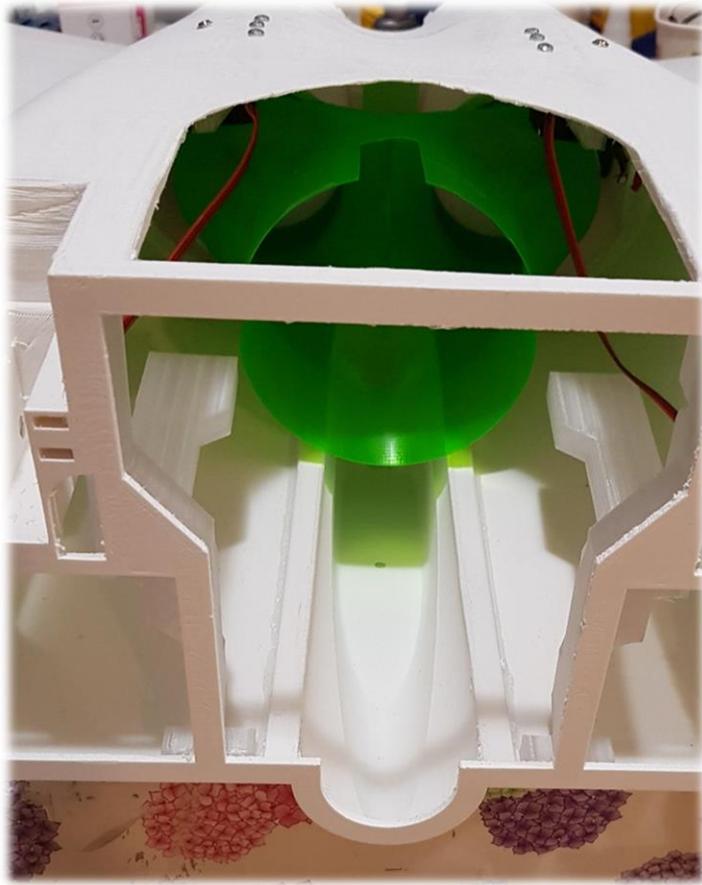
Drill and screw in the M3 screws passing through the fuselage and blocking the servo



Engine support

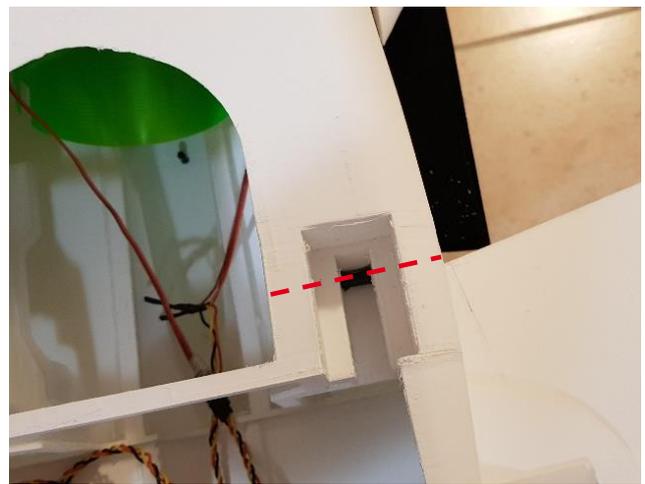
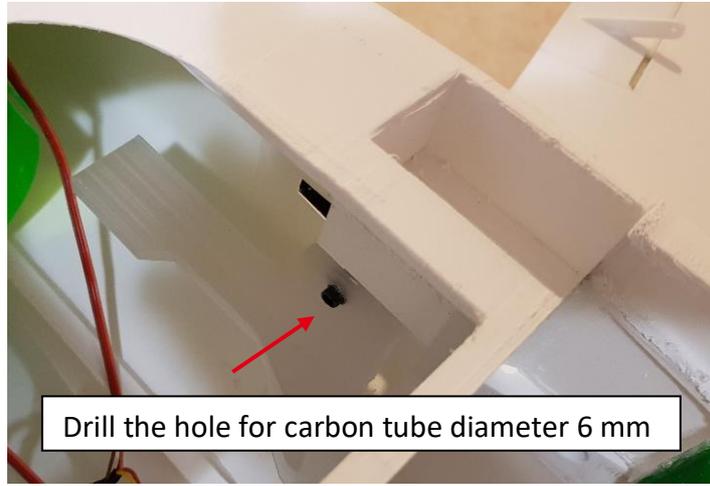


Glue the motor support as shown in the photo

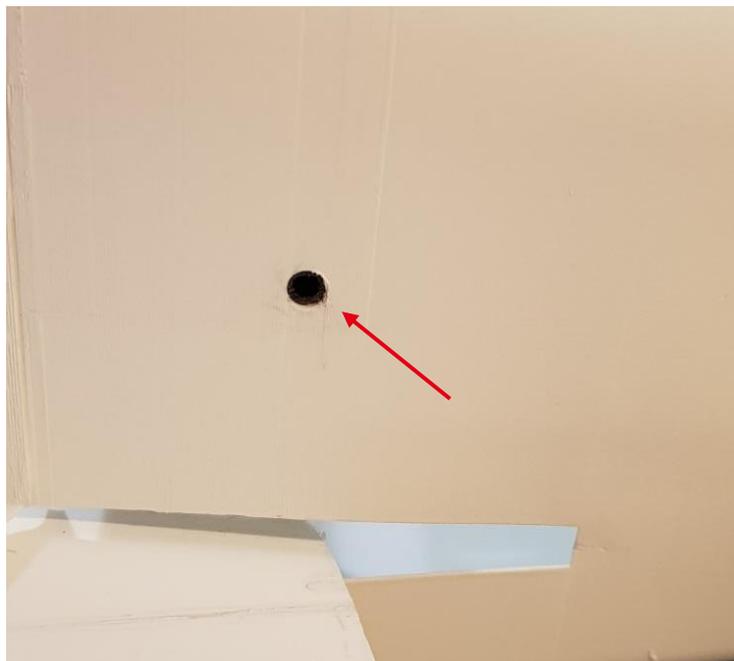


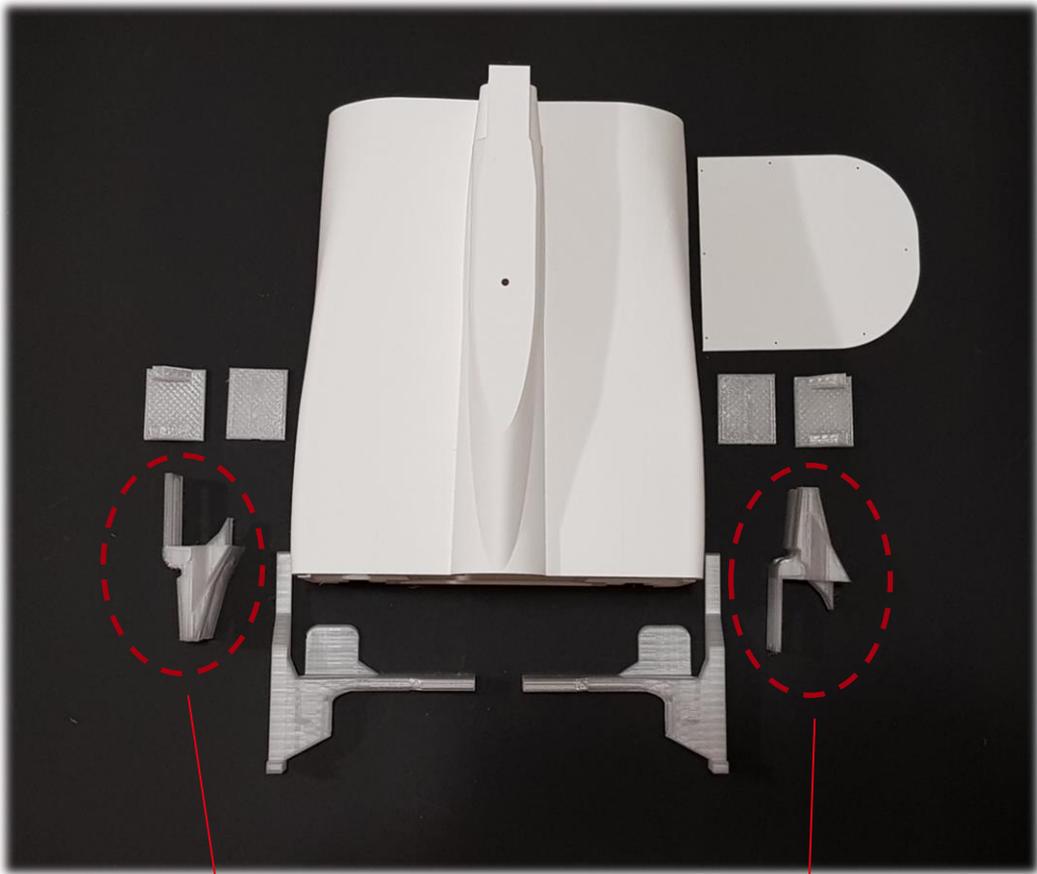
Final step



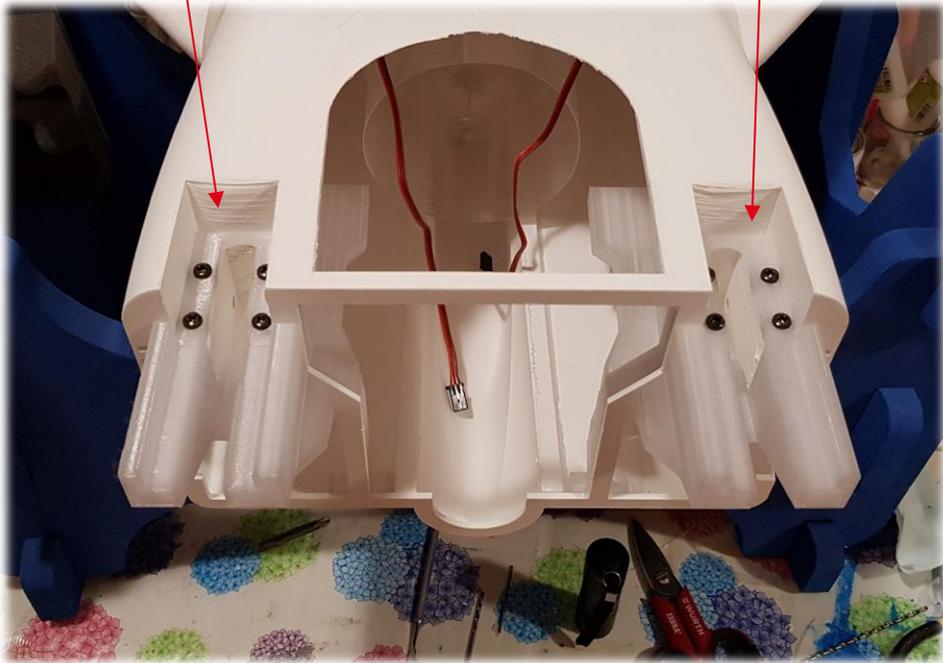


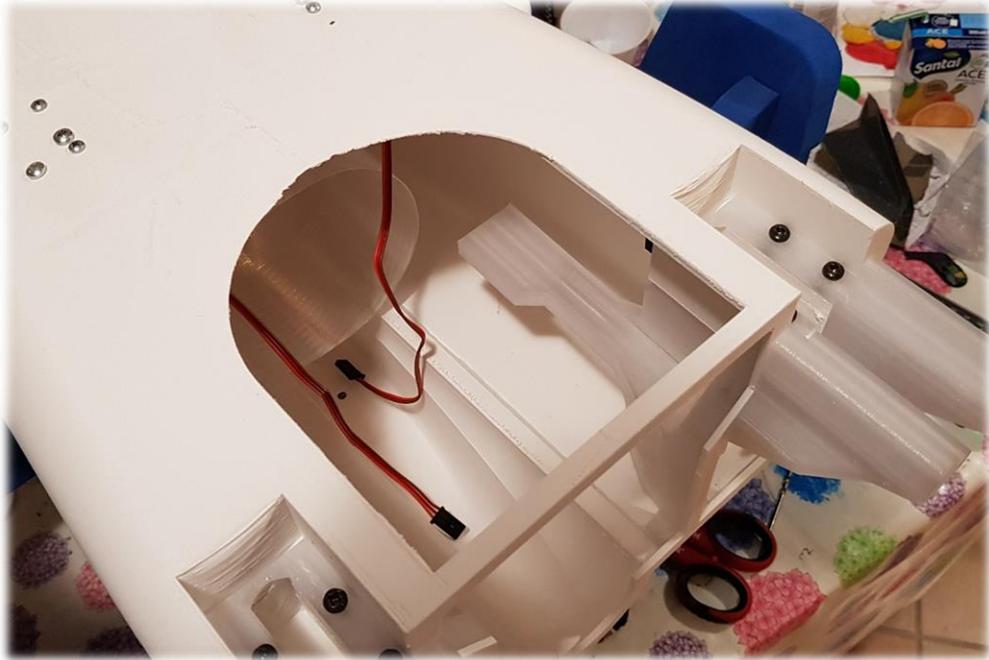
After drilling insert in the hole the carbon tube diameter 6 mm and block it with cyano acrylate glue





Gear retract support assembly, screw the base into its seat



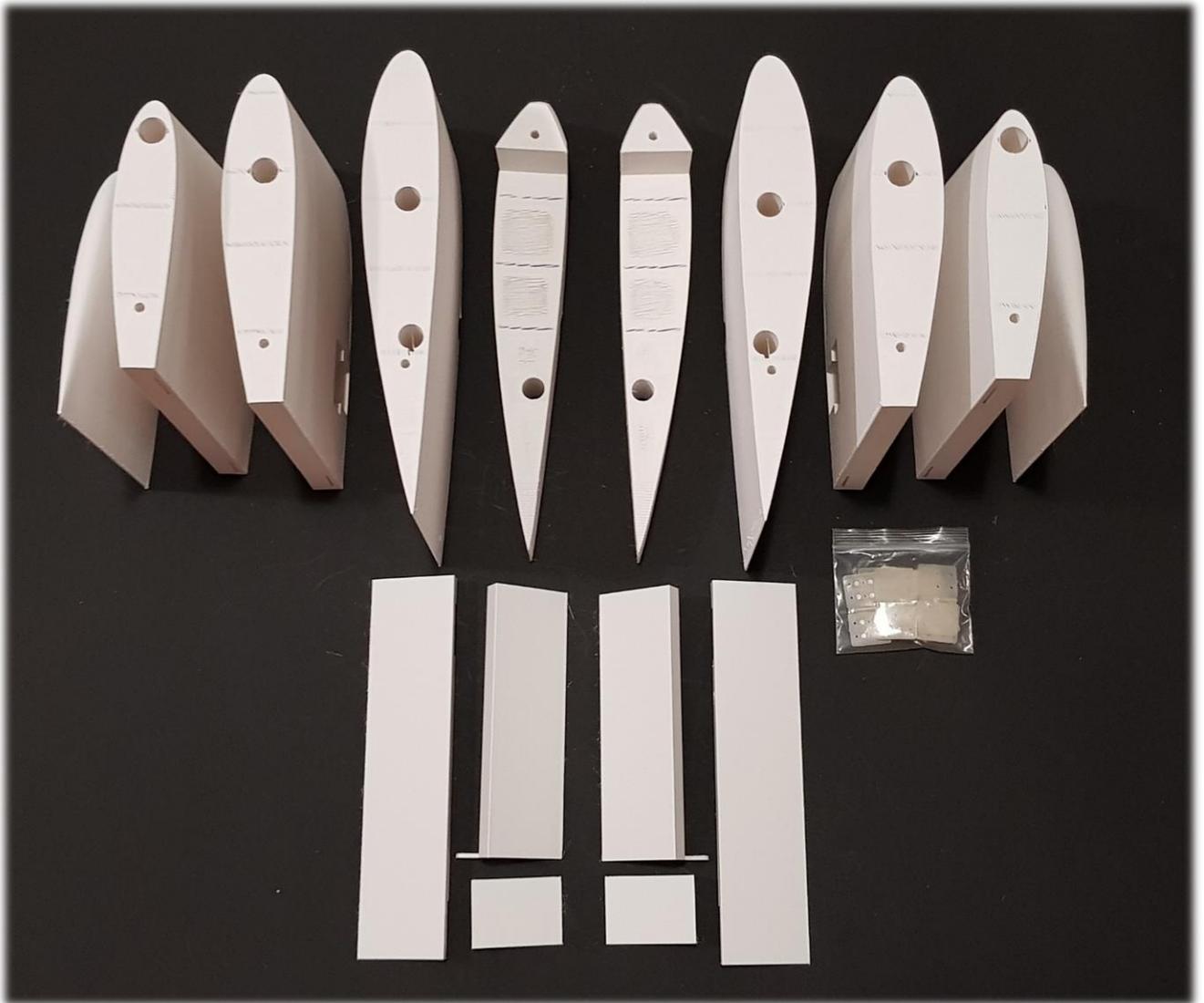


Installation detail



• **STEP 3**

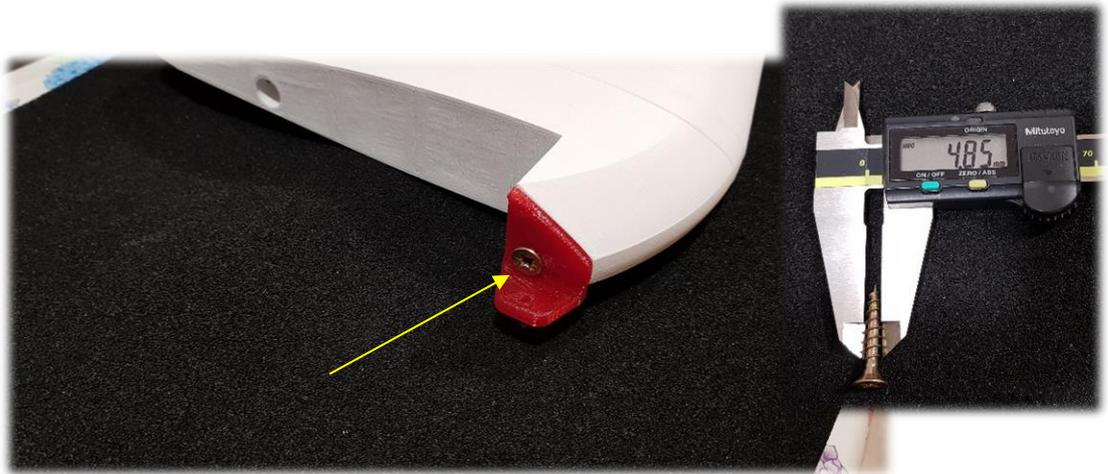
Wing parts of Tornado



Assemble the wing using 12mm carbon tube and the various references with 4mm carbon tube as various reference pins of each single part of the wing. Glue the parts with cyano acrylate glue.







Fix the part with screw and glue the part with cyano acrylate glue



Prepare the carbon tube with a diameter of 12mm as per measurement

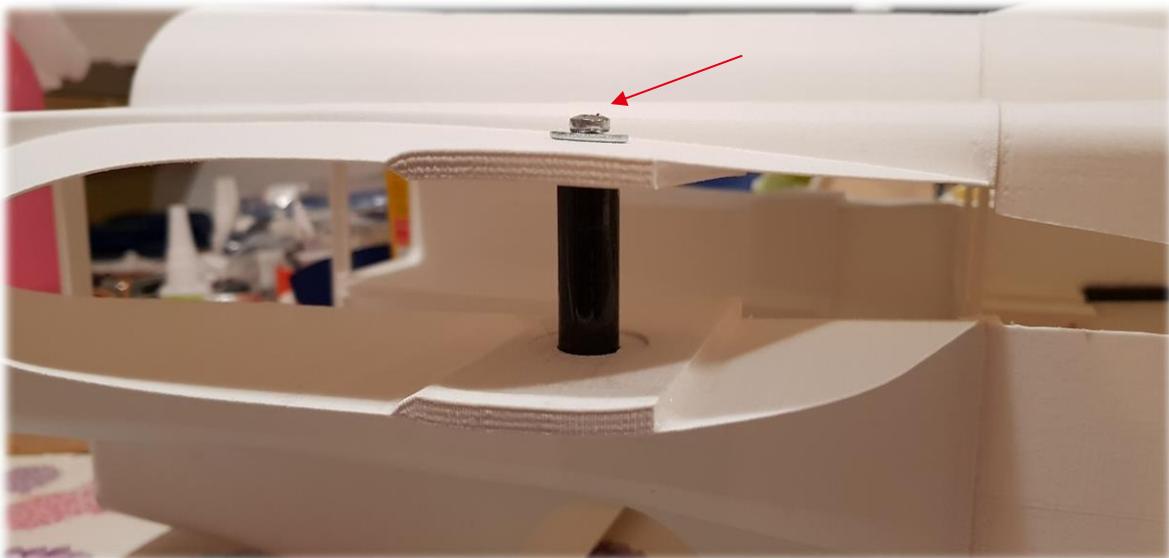




Insert the carbon tube inside the wing which must allow the wing rotation

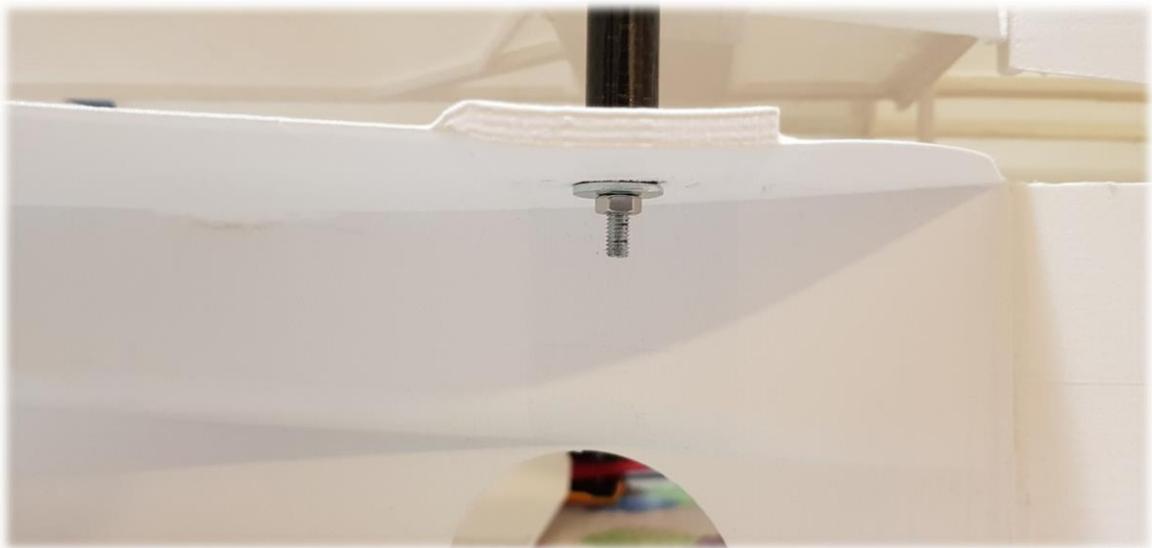


Drill the fuselage to insert the M4 screw and insert the 12 mm diameter carbon tube previously inserted into the wing inside the fuselage, as following photo :

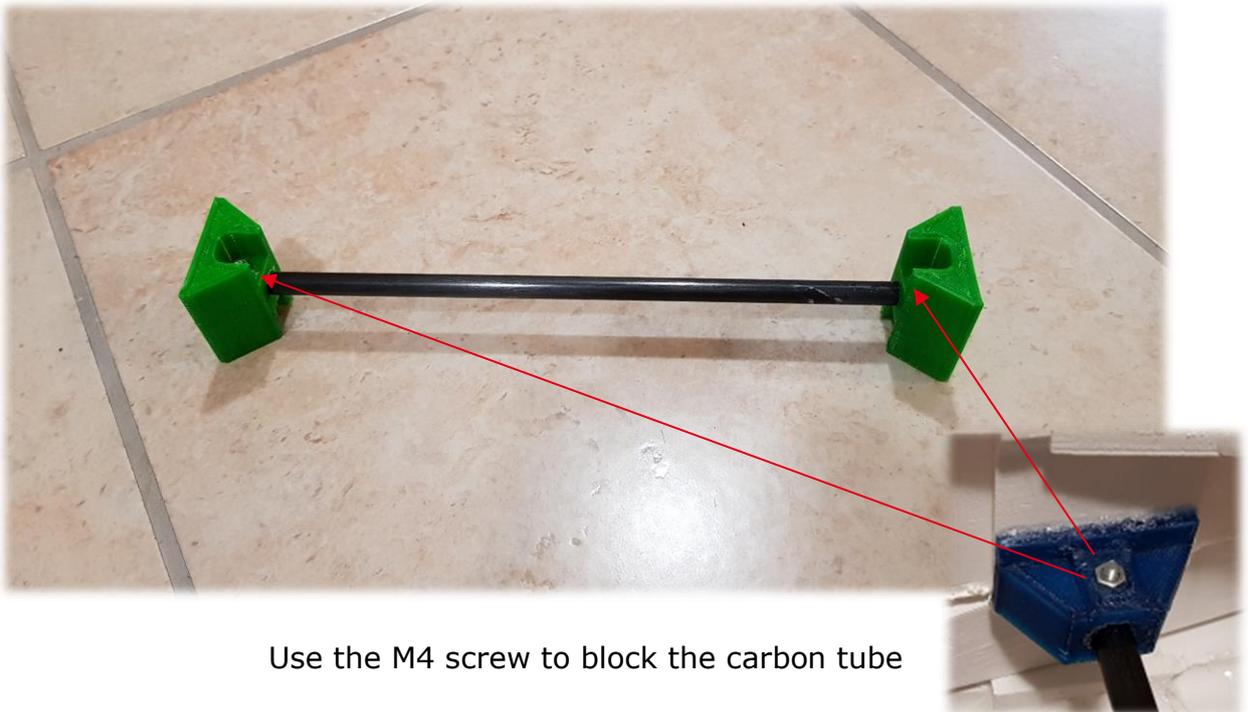




Use washers to equalize the thrust pressure of the screw



Internal wing reinforcement, use 8mm carbon tube



Use the M4 screw to block the carbon tube

Reinforcement carbon tube installation inside fuselage and glue it on side walls with cyano acrylate



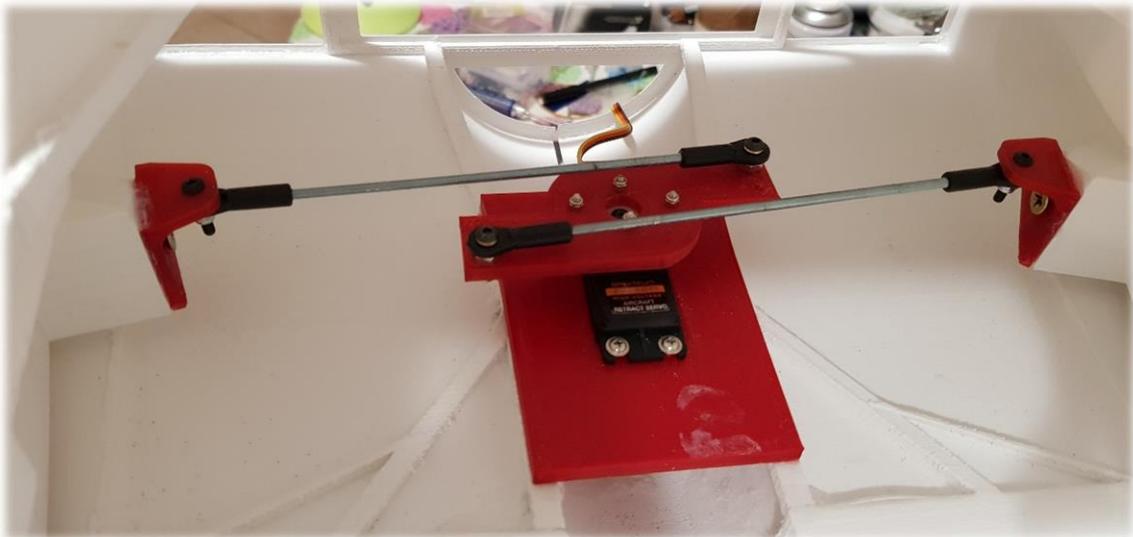
Wing reinforcement installation



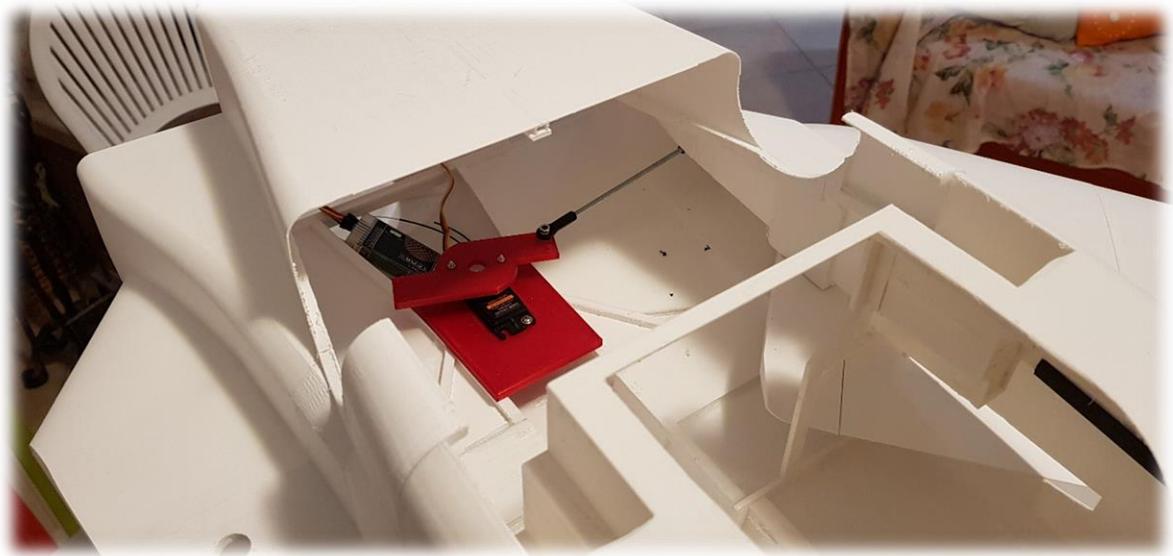
Lock by screwing the reinforcement base of the wing



Glue with cyano acrylate the servo holder base aligning the linkage as shown in the photo



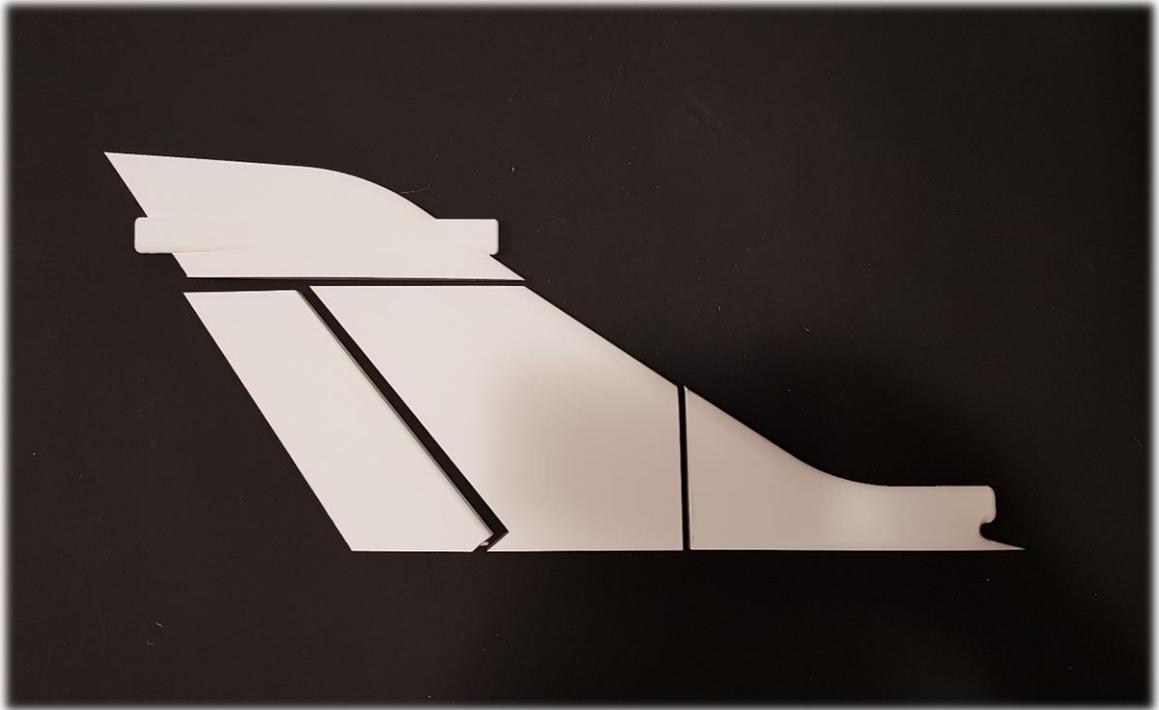
Additional details of the rotation system



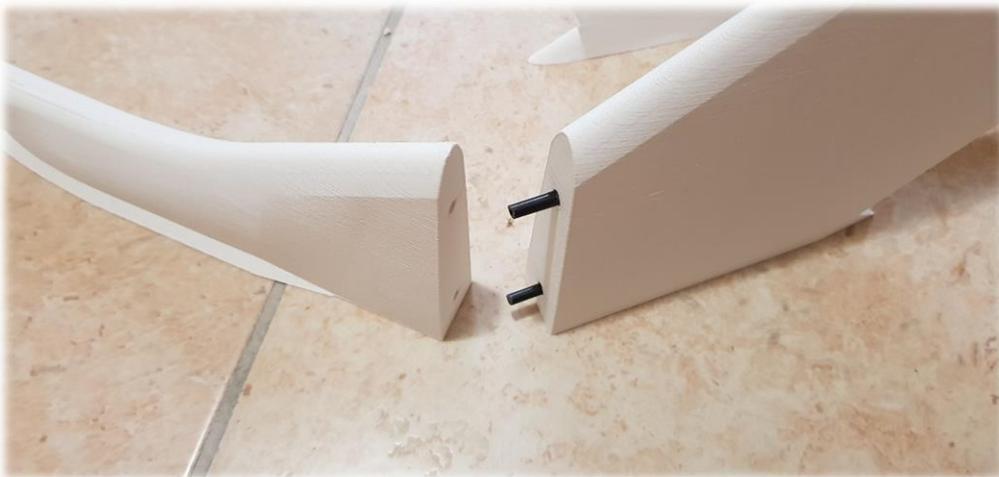
At this point glue the section with cyano acrylate and connect the wings

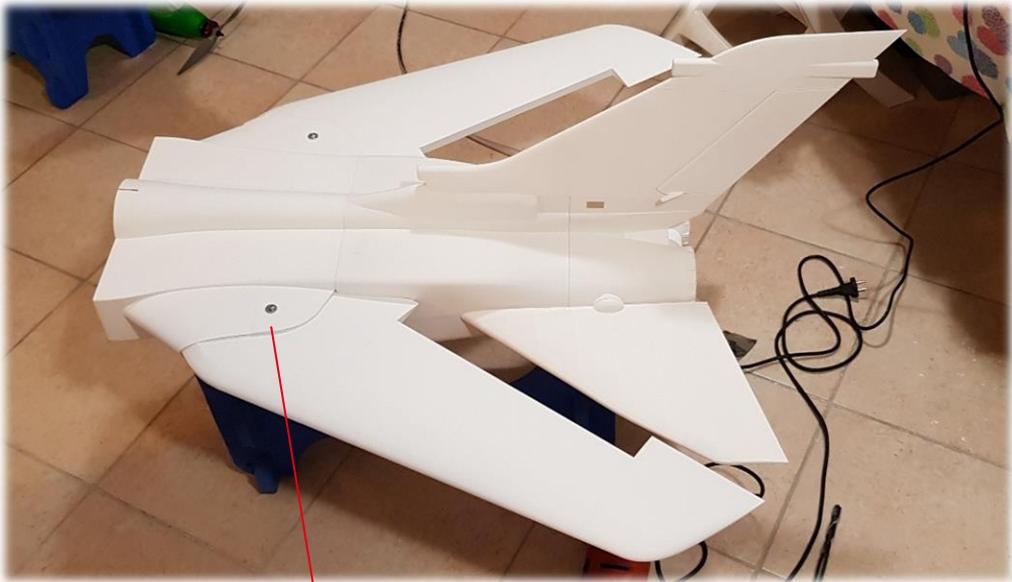


• **STEP 5**



Use carbon tube diameter 4 mm and glue with to fix it





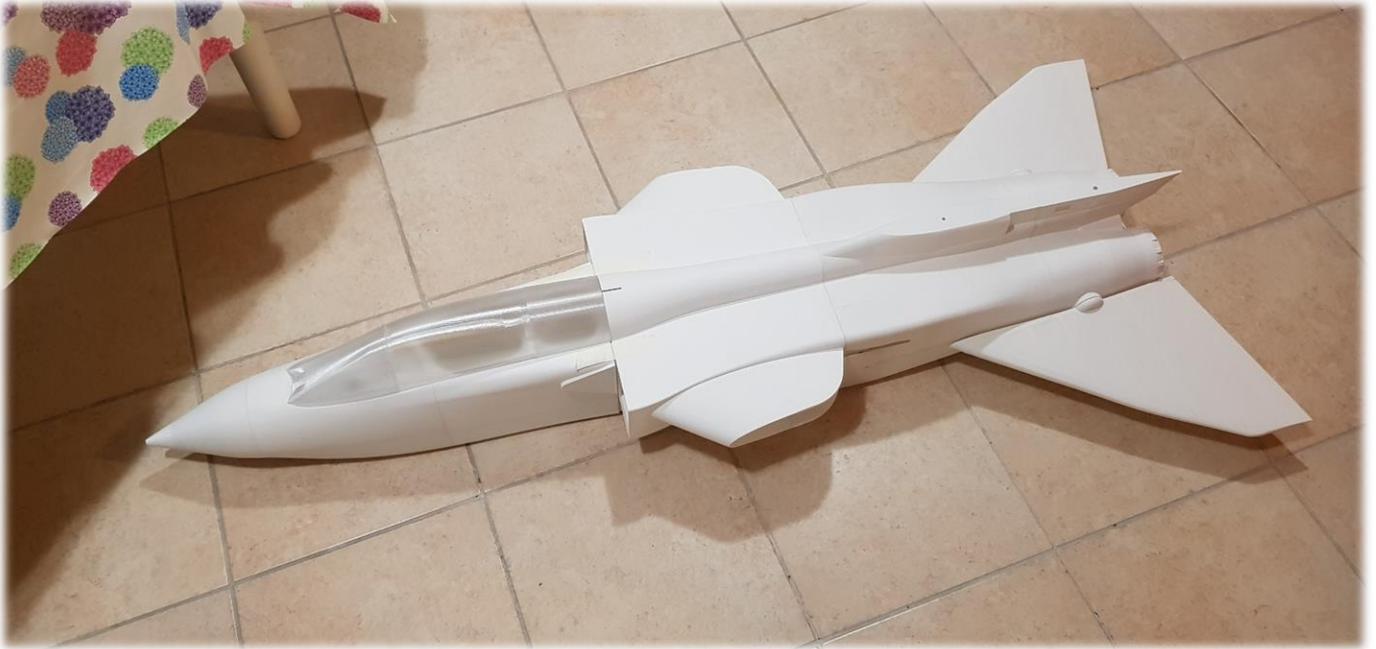
Use the screw covers glue with a dot of glue

• **STEP 6**



Glue the section with cyano acrylate

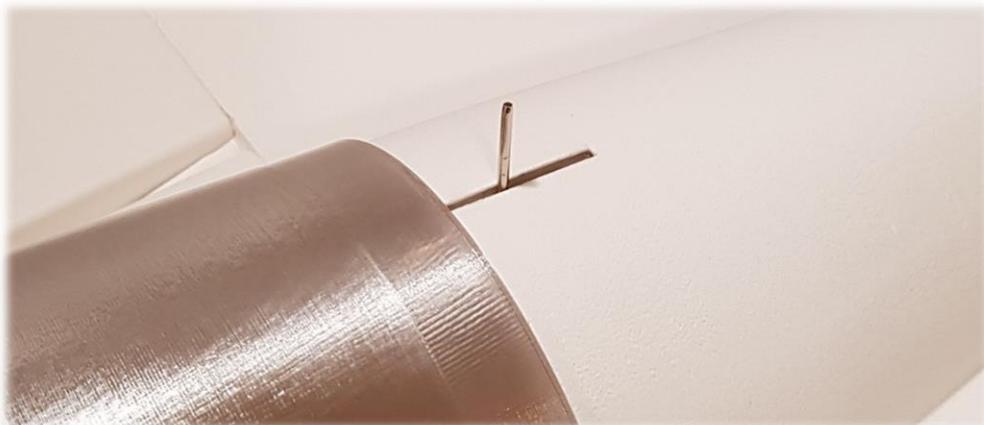




Glue the last section with cyano acrylate



Canpy closer, glue it on fusolage



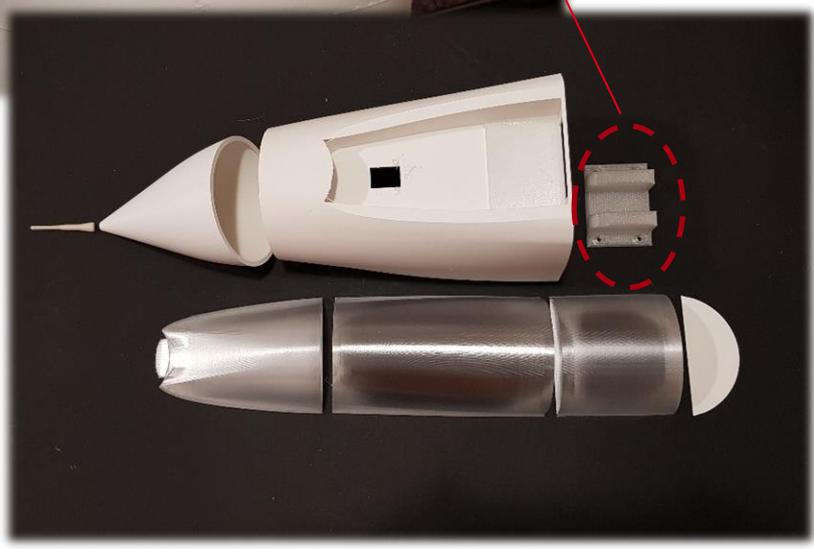
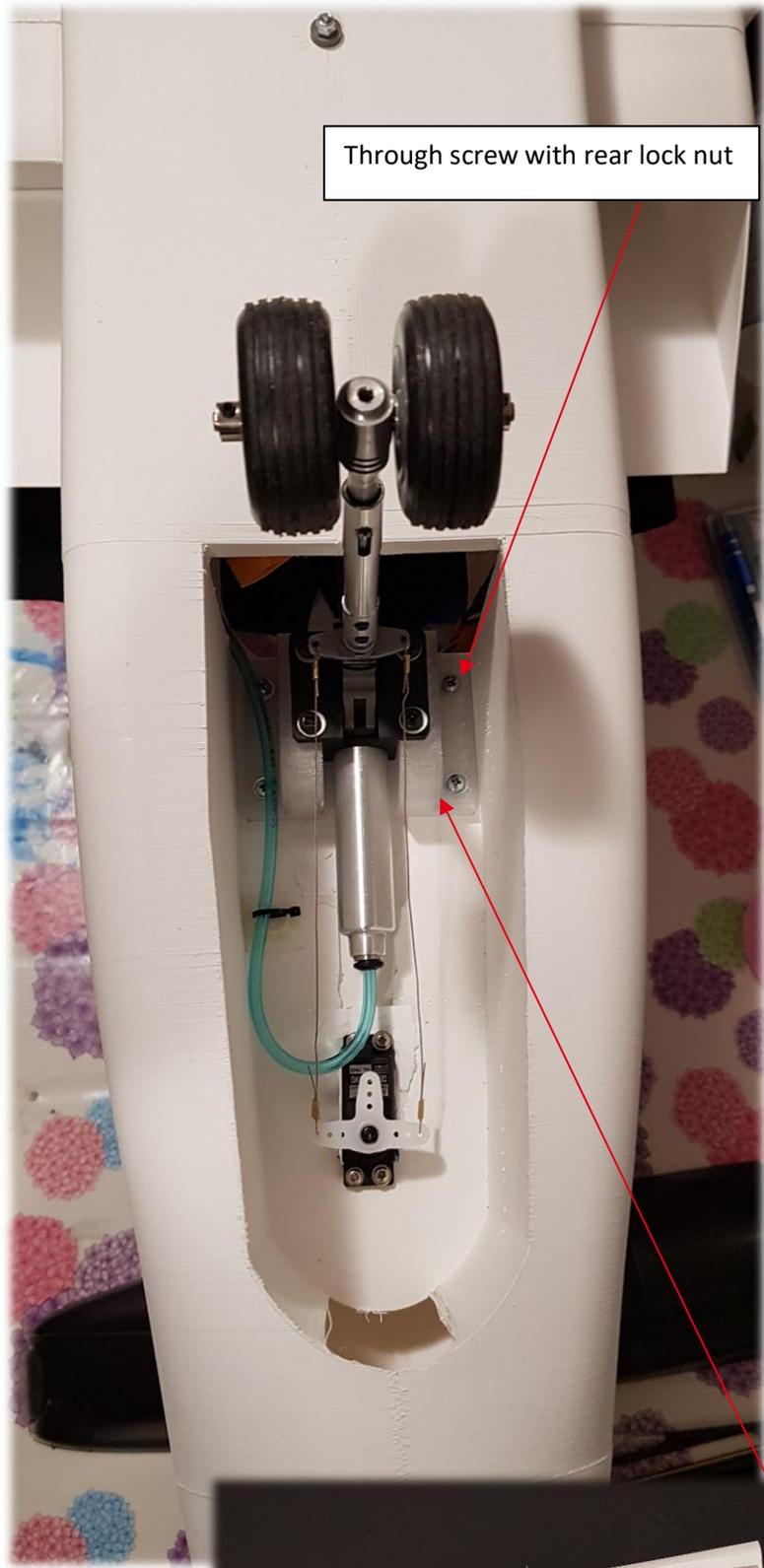


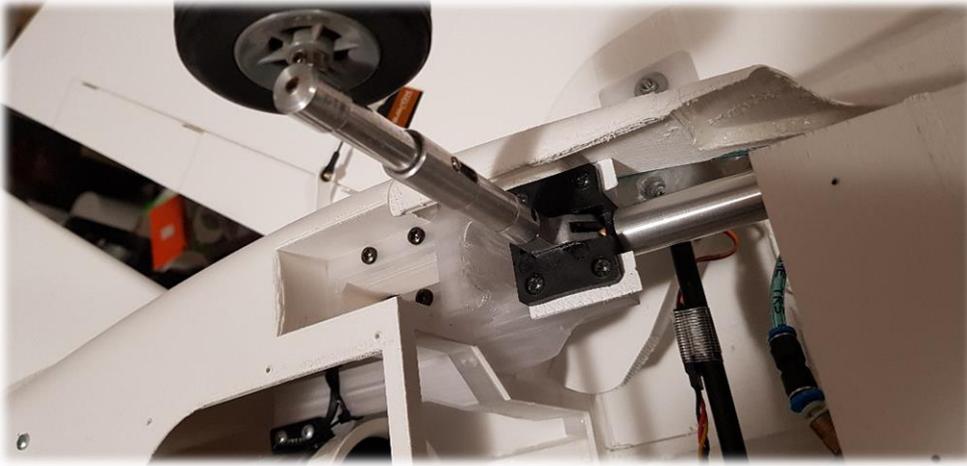
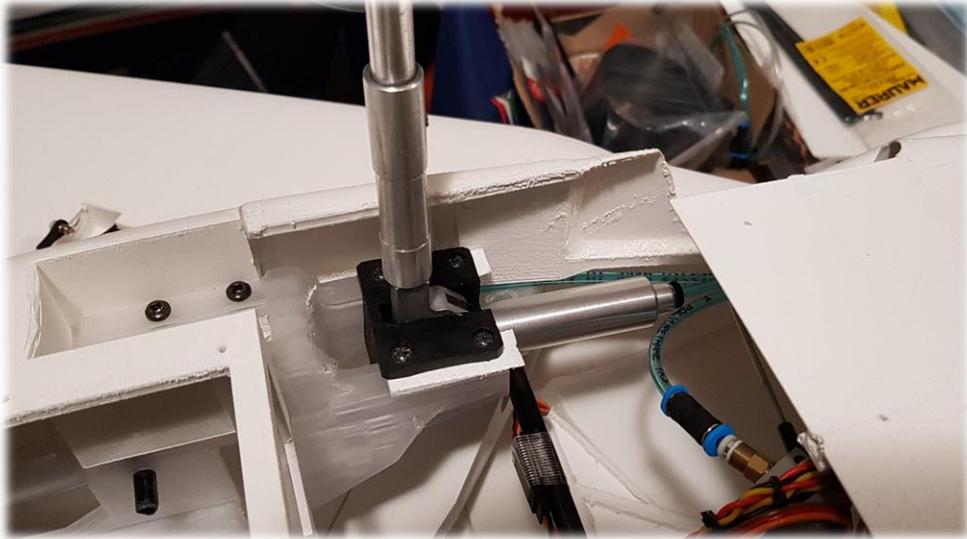
• **STEP 7**



Air pneumatic landing gear set

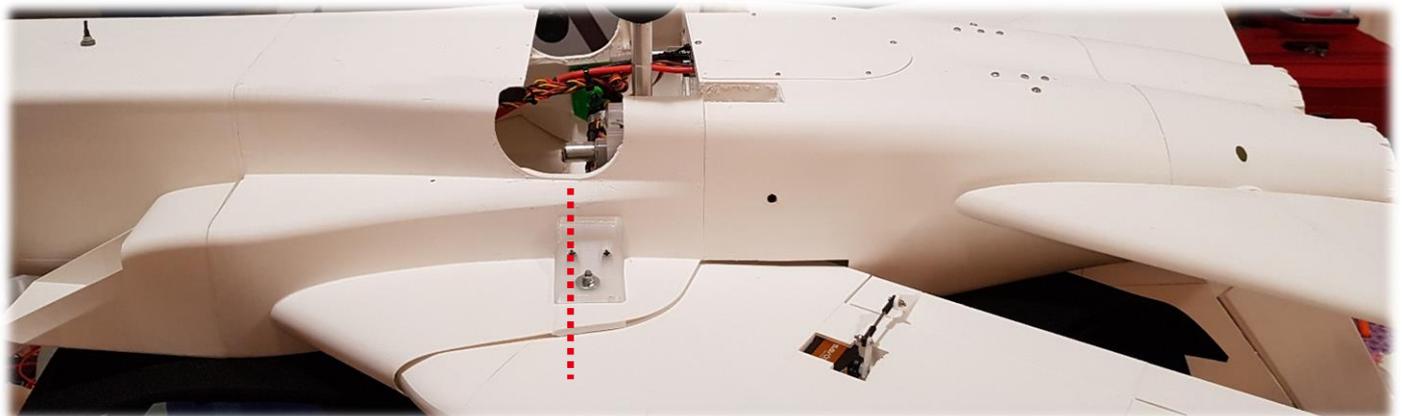
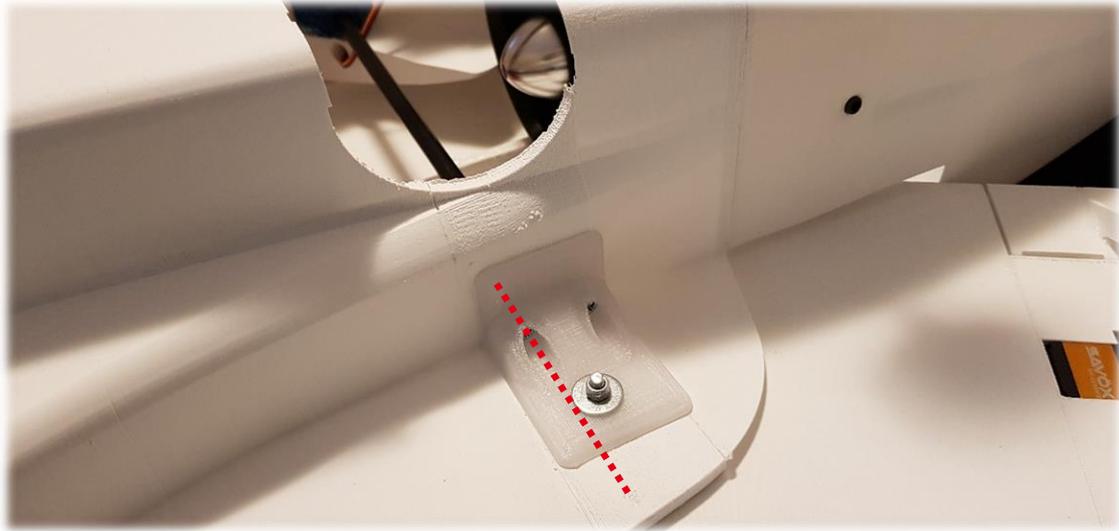
Through screw with rear lock nut





- **STEP 8**

CG position :



The position of the CG is as shown in the photo



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