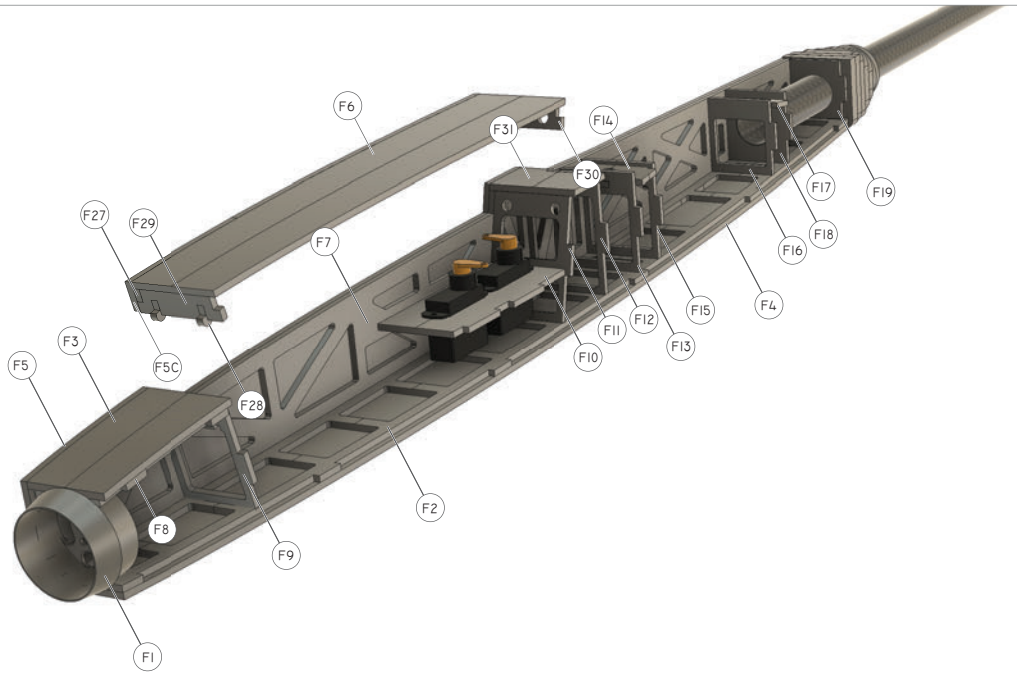
When starting the construction of the glider, start by checking whether the parts you will be gluing fit together (plywood and balsa, despite the thickness declared by the manufacturer, may have slight size deviations). Never use force to press one element into another.

## FUSELAGE

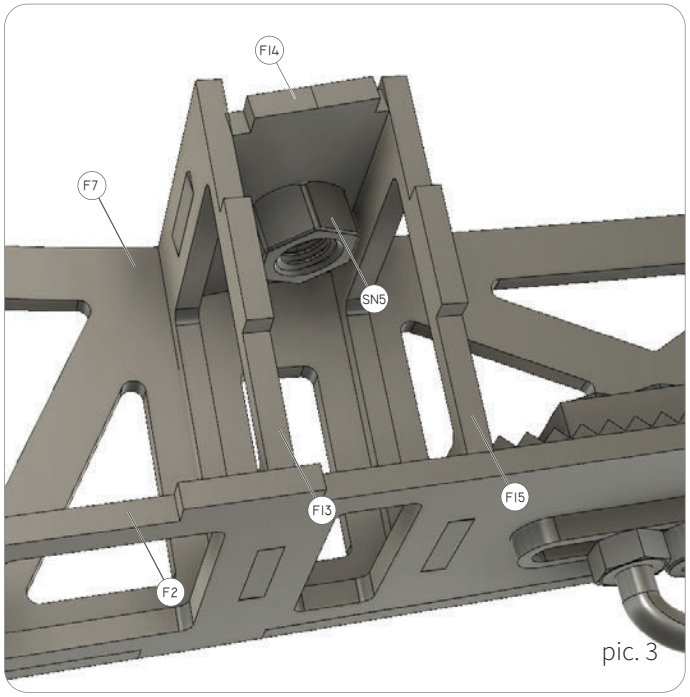
Prepare all the elements according to the picture below. Check the fit - if necessary sand the element.
Glue the fuselage using wood glue or CA.
IMPORTANT! Before you paste the F17 and F19 frames, put the tail tube through them.


pic. 1



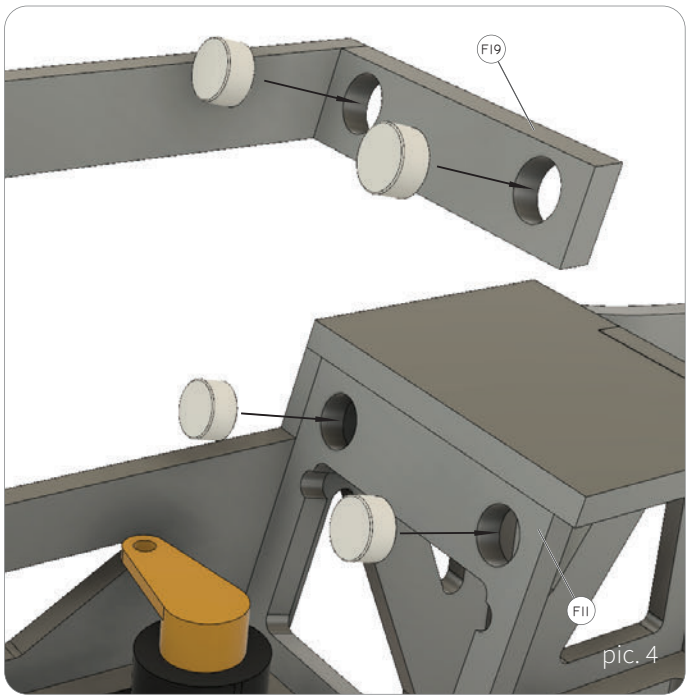

pic. 2

Paste the M5 steel nuts onto the wing fixing bolt. Use CA glue or resin 5 min. Use a screw to fix the nut position.
**Be careful not to stick the nut and bolt together!**



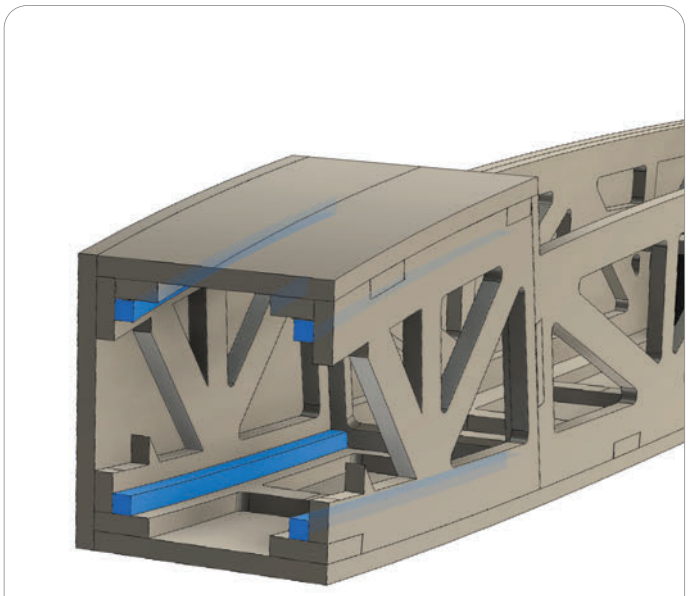
pic. 3

Paste 4 pcs neodymium magnets into the holes in the frames **F11** and **F19** 4 x 2 mm. **Pay attention to the polarity so that the magnets attract each other.**

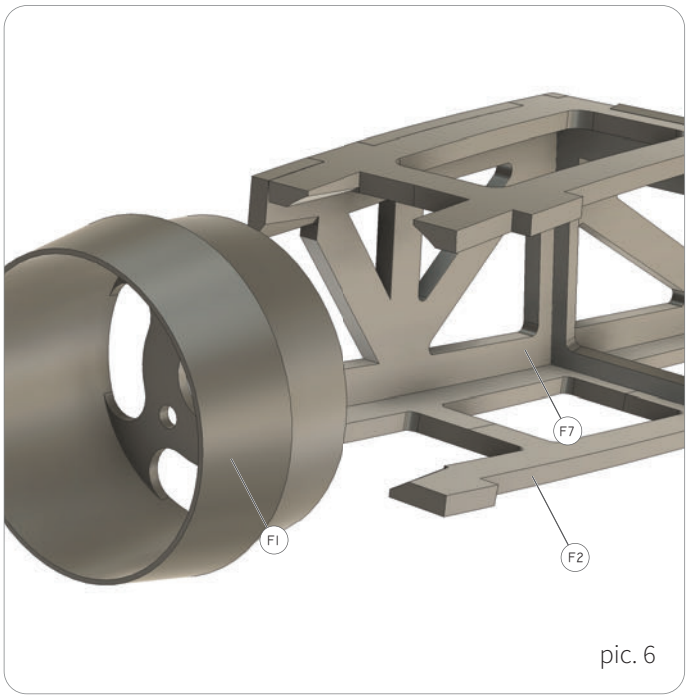


pic. 4

Cut 4pcs 2x2x50mm balsa strips and glue in the corners of the fuselage where the engine will be attached.


pic. 5

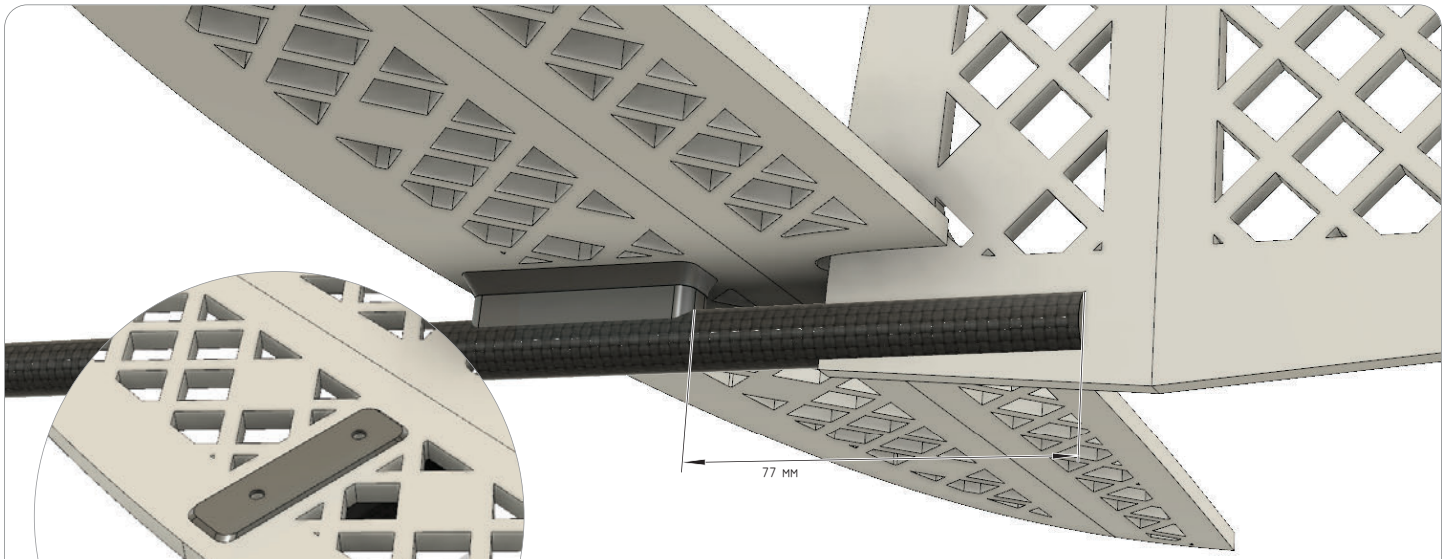
Sand **F2**, **F7**, and **F8** parts to a circle shape. Use a 3D-printed motor mount to fit in the pleace and during sanding outside the fuselage. Glue the aluminum motor mount as the last part of the fuselage, after foil covering.



pic. 6

## HORIZONTAL AND VERTICAL STABILIZER

The carbon tube included in the kit has been cut to the correct size.
**ATTENTION! Tailplane mounting distance from end of carbon tube: 77mm**
Try on tube mount, note direction, drill holes.




The mounting direction must be set according to the pattern. (pic. 8)
The first hole is moved to the rear.

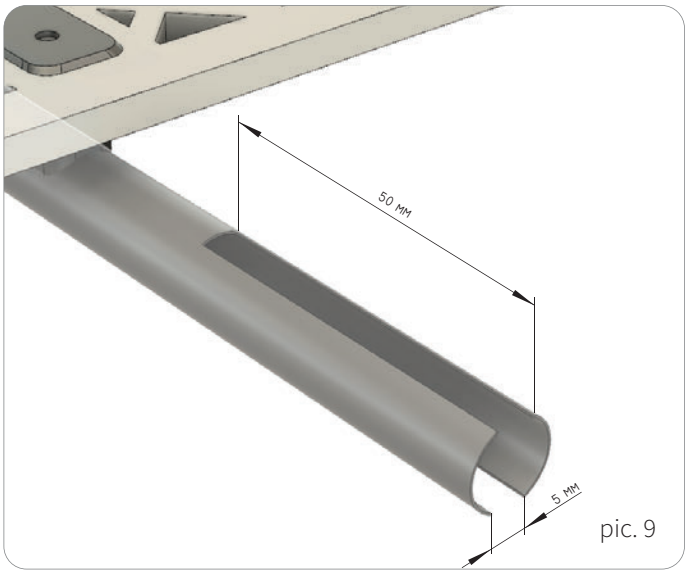
pic. 7



pic. 8

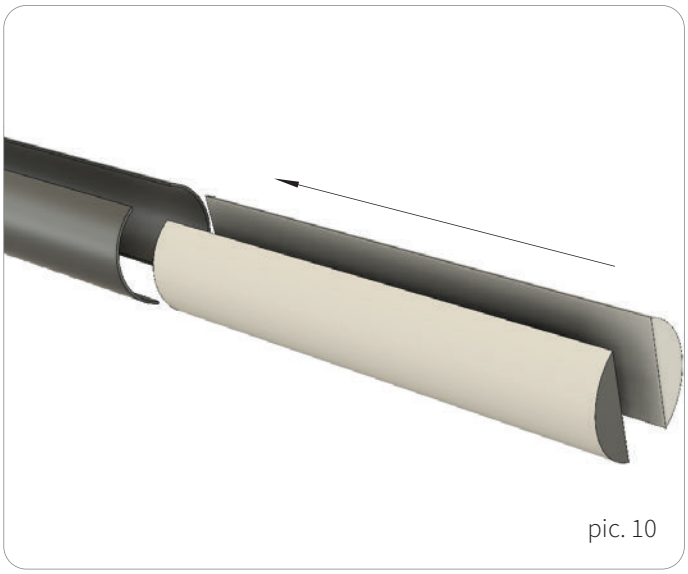
## VERTICAL STABILIZER MOUNTING

Cut the carbon tube according to the diagram below, hole width: 5 mm, hole length: 50 mm




pic. 9

Cut 2 pcs 2 mm rectangles from the balsa wood and sand it to the shape of the inner wall of the carbon tube. Paste them and then the stabilizer after wrapping it with foil.



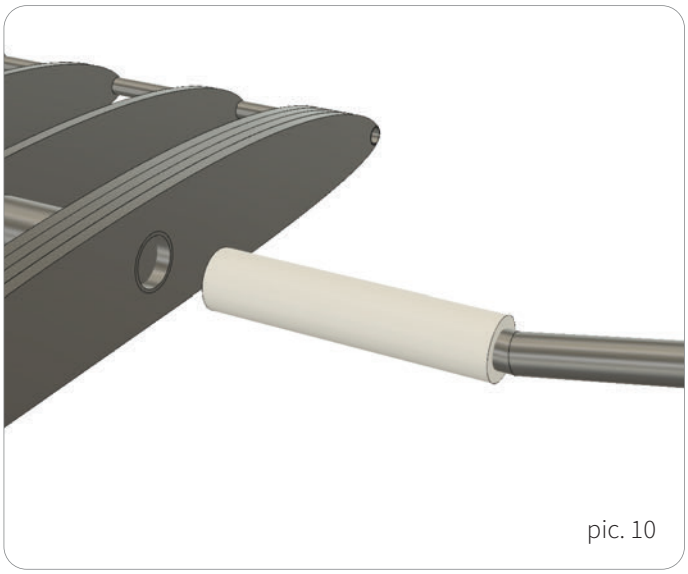
pic. 10

## WING

The wing of the Astrid glider consists of three parts: the center wing and two tips.
To build the wing, use the plan attached to the set.
The ends are attached to the center wing by sticking a foil strip or adhesive tape.

### FASTENING THE WING TIPS

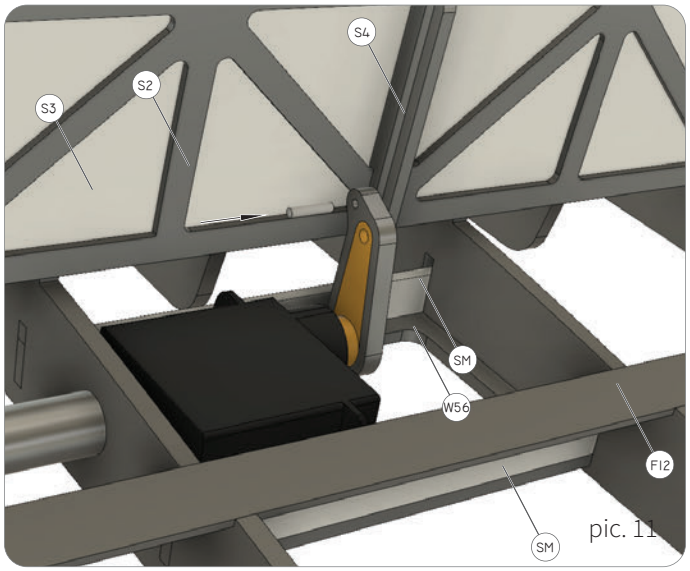
Put the printed tube or plywood discs (depending on the version) on the carbon rod to increase the rod diameter.



pic. 10

### MOUNTING THE SERVO

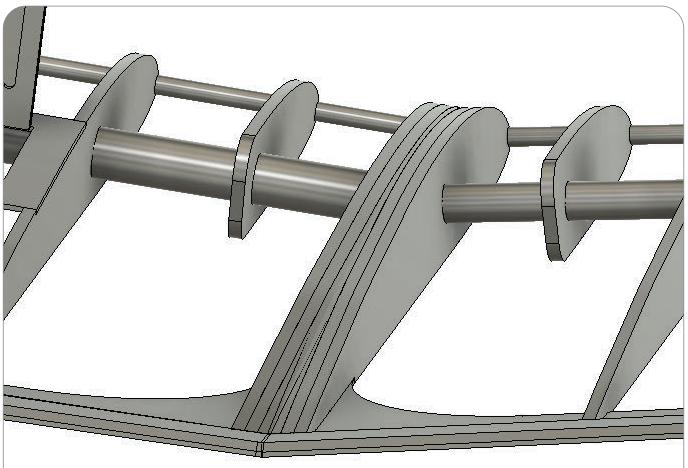
Paste the components according to the diagram below. Pay attention to the length of the servo lever, select the appropriate one Paste the rod into the servo lever. (not included)
Do a brake performance test before placing the servo.



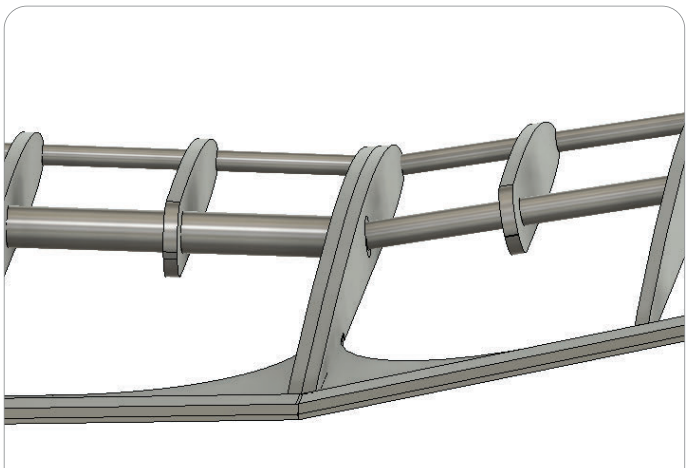

pic. 11

### WING DIHEDRAL

Each wing dihedral angle is 11⁰ degrees, use a template (3d printed) with a specific angle of 5.5⁰ to properly sand the ribs for the wing center part pic. 12 and set the rib angle for the wing tip pic. 13.



pic. 12



pic. 13