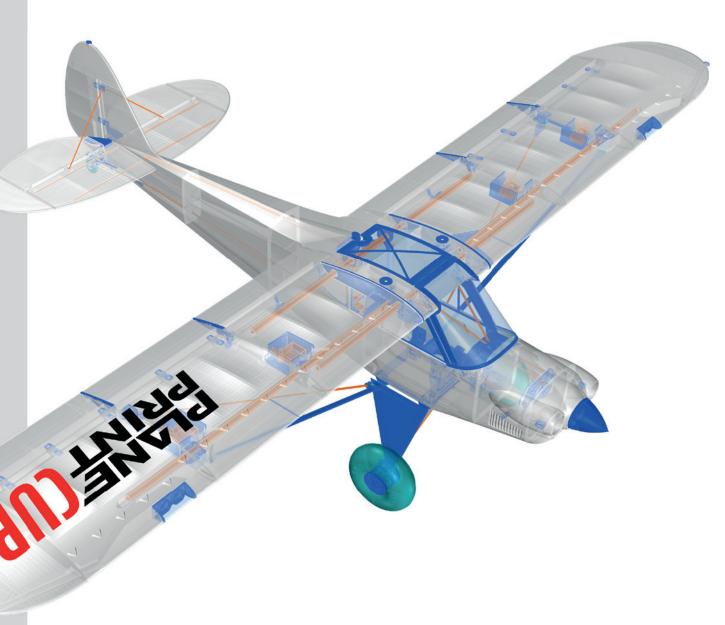
PLANE PRINT



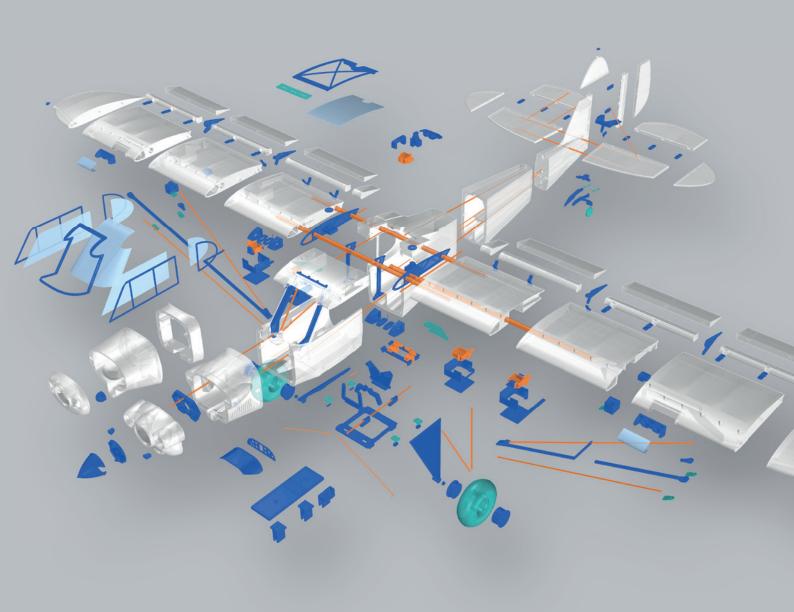
PLANE (UB) PRINT (UB)

Single-engine, acro-capable RC plane with towing function





PLANE (UB)





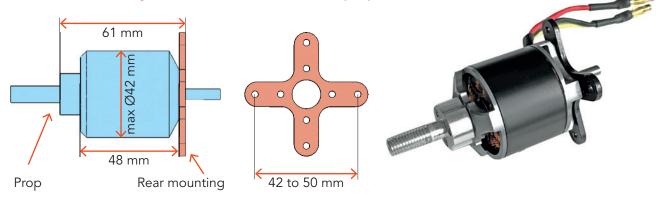


RC Components

ENGINE

PROPDRIVE V2 3548 900KV (HobbyKing) or comparable motors.

You can also use any other motor that fits a 12x6 propeller!



PROP

12x6, 12x7

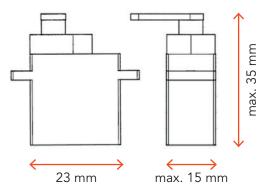
BEC-CONTROLLER min 70 A (must fit the engine!)

RECEIVER 7 Channel (8 with towing function)

BATTERY 4S Lipo, 2600 – 3500 MaH (The battery should have a weight of 270 to 310 grams)

SERVOS 6 pieces like **Hitec HS-5055 MG Digi** or **KST Clubman CM509MG** or comparable

Dimensions:



Required accessoires - basic equipment

Links to recommended accessories can be found on www.planeprint.com/cub (scroll down)

- LW-PLA foaming! (cannot be replaced by PLA!), ~900 grams
- PLA oder better Tough PLA, ~350 grams
- TPU A95 and LW-TPU Colorfabb VarioShore, ~100 grams

Materials

- CA super glue (liquid and liquid medium)
- CA activator
- Contact adhesive like UHU POR
- Sortiment of Tapping screws Ø2mm
- Sortiment of Metal Screws Ø3mm and 4 Washers
- Metal screw Ø4*50mm, 2 pieces
- Carbon tube Ø10mm*1000mm (inside 8mm), **3 pieces strong wing**Cut the tubes to the following lengths (mm):

1 tube = 500, 500

1 tube = 650

1 tube = 650

or Carbon tube Ø10mm*1000mm (inside 8mm), **2 pieces light wing**Cut the tubes to the following lengths (mm):

1 tube = 500, 500

1 tube = 500, 500

• Carbon rod Ø3*1000mm, 7 pieces

Cut the rods to the following lengths (mm):

1 rod = 815, 103

1 rod = 440, 372, 100

1 rod = 438, 438, 103

1 rod = 438, 438, 103

1 rod = 200, 200, 200, 200, 134

1 rod = 322, 216, 216, 134

1 rod = 153, 153, 135, 135

- Steel wire Ø1*1000mm, 3 pieces
- Rod connection Hole for Ø1mm steel wire, 2 pieces
- Ball bearings 4x9x4mm, 4 pieces
- Servo extension cable 400mm, 4 pieces and 200mm, 2 pieces
- Neodym Super Magnets 5x5x5 mm, 4 pieces
- Self-adhesive Velcro tape
- Overhead foils or binding covers of scripts (~0,2mm, office trade) in DIN A4 format.

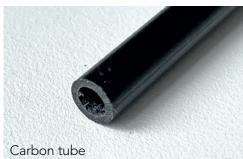
Tools

Cutter knife, small Philips screwdriver, Sandpaper grain ~150, Metal saw, Needle nose pliers, Soldering tool















The development of a complex, airworthy RC flight model to express on any standard 3D printer is a very extensive process. Therefore, we appeal to your fairness not to forward the STL data you have acquired to third parties.

Thank you for your understanding and have fun with your PLANEPRINT MODEL!

Printing the parts – Printing profiles

This manual is constantly being improved and supplemented, we recommend downloading the **latest version** from our website **before building**.

To print all **PLANEPRINT** models **you need to set some basic profiles in Cura** (If you use another slicer, please set the same parameters).

You can find the description at www.planeprint.com/print

For this model you need the following profiles:



NOTE When printing the PLANEPRINT CUB you should pay particular attention to a light weight of **each** individual part.

PROFILE P5_Gyroid

It is essential for the necessary stability of the LW parts printed with PROFILE_5 are as stable as possible. Please use a test part to check the strength by fracture tests. It must not break along the layer lines under any circumstances! Also note that the printing temperature for LW-PLA is as low as possible to obtain a wall thickness of 0.4 to 0.6 mm at a flow of 60 to 70 % (depending on brand).

Caution: at too high temperatures, LW-PLA becomes brittle and breaks more easily.





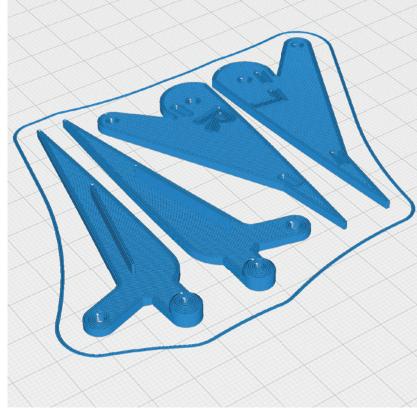
The information about the basic settings you can find on our website at PRINT. Please note the additional settings for the individual parts!

P1_AIL Horns_cub.stl

MATERIAL PLA, Weight: ~ 9 g

ADDITIONAL SETTINGS

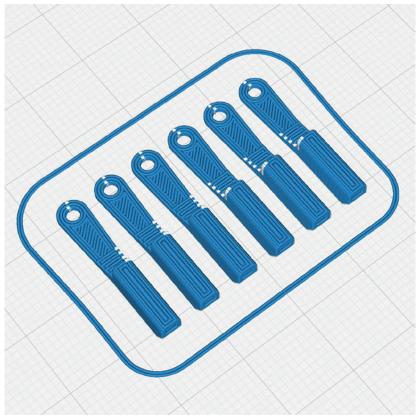
None required



P1_Clips 1mm_cub.stl

MATERIAL PLA, Weight: ~ 1 g

ADDITIONAL SETTINGS





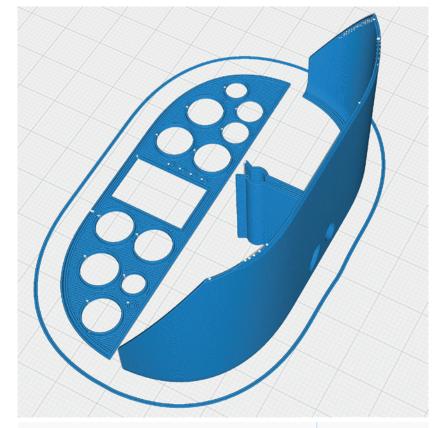
The information about the basic settings you can find on our website at PRINT. Please note the additional settings for the individual parts!

P1_Cockpit_cub.stl

MATERIAL PLA, Weight: ~ 6 g

ADDITIONAL SETTINGS

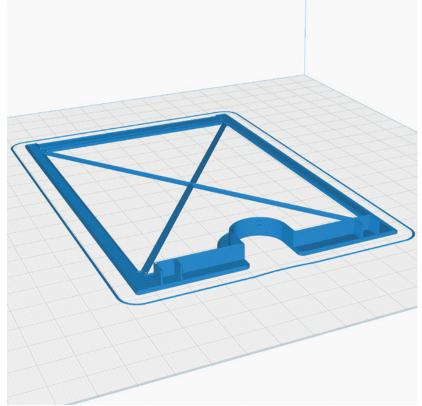
None required



P1_Cover_cub.stl

MATERIAL PLA, Weight: ~ 5 g

ADDITIONAL SETTINGS





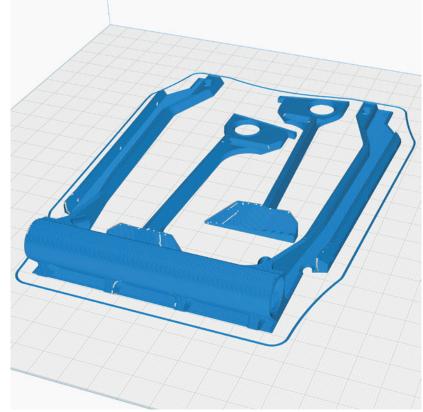
The information about the basic settings you can find on our website at PRINT. Please note the additional settings for the individual parts!

P1_Frame_cub.stl

MATERIAL PLA, Weight: ~ 27 g

ADDITIONAL SETTINGS

None required



P1_Gear back 1_cub.stl

MATERIAL PLA, Weight: ~ 4 g

ADDITIONAL SETTINGS





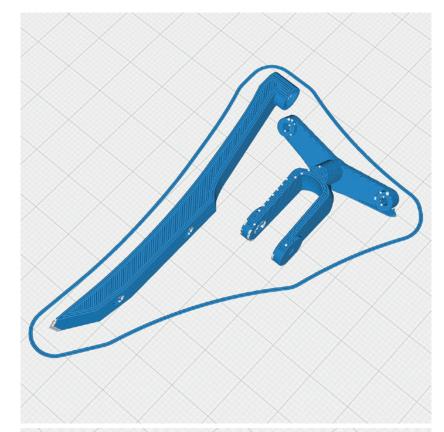
The information about the basic settings you can find on our website at PRINT. Please note the additional settings for the individual parts!

P1_Gear back 2_cub.stl

MATERIAL PLA, Weight: ~ 4 g

ADDITIONAL SETTINGS

None required

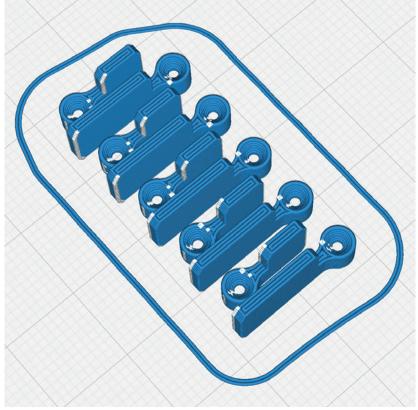


P1_Hinges AIL_cub.stl

MATERIAL PLA, Weight: ~ 2 g

ADDITIONAL SETTINGS

• Print twice





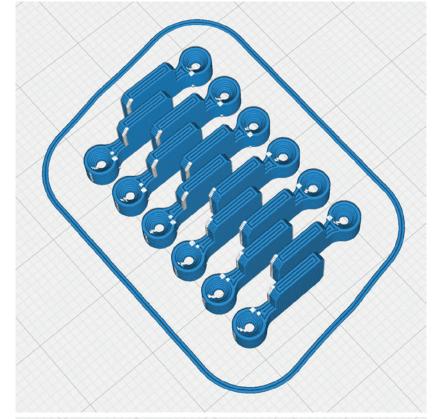
The information about the basic settings you can find on our website at PRINT. Please note the additional settings for the individual parts!

P1_Hinges ELE_cub.stl

MATERIAL PLA, Weight: ~ 2 g

ADDITIONAL SETTINGS

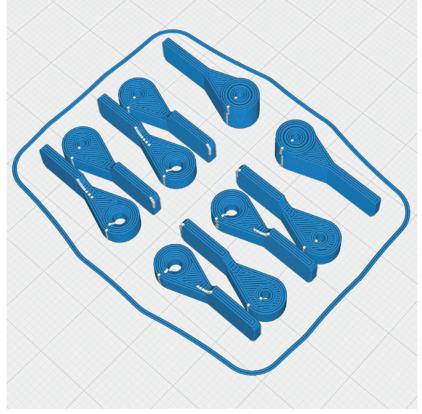
None required



P1_Hinges Flap_cub.stl

MATERIAL PLA, Weight: ~ 4 g

ADDITIONAL SETTINGS





The information about the basic settings you can find on our website at PRINT. Please note the additional settings for the individual parts!

P1_Hinges RUD_cub.stl

MATERIAL PLA, Weight: ~ 1 g

ADDITIONAL SETTINGS

None required

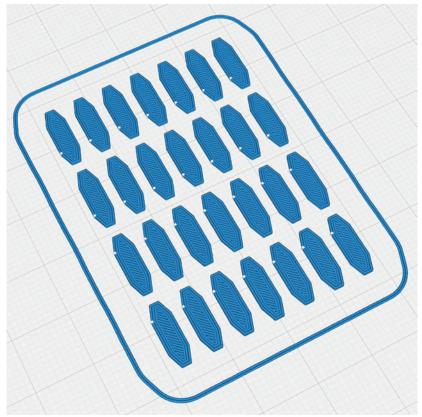


P1_Interconnects small_cub.stl

MATERIAL PLA, Weight: ~ 1 g

ADDITIONAL SETTINGS

• Print twice





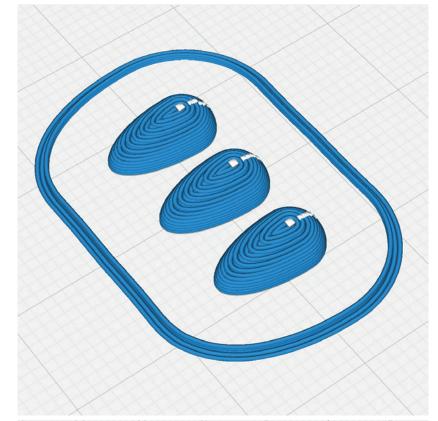
The information about the basic settings you can find on our website at PRINT. Please note the additional settings for the individual parts!

P1_Lights_cub.stl

MATERIAL PLA, Weight: ~ 1 g

ADDITIONAL SETTINGS

• Transparent filament recommended



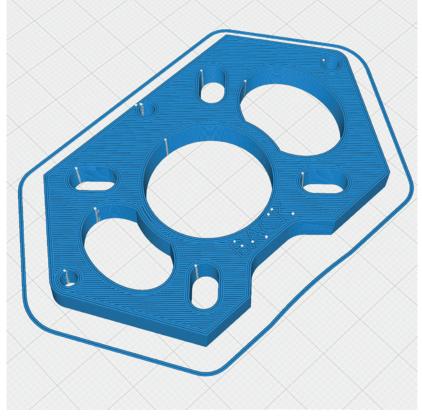
P1_Motor plate_cub.stl

MATERIAL PLA, Weight: ~ 13 g

ADDITIONAL SETTINGS

None required

NOTE These part hold the motor and must be **absolutely stable!** Ensure good layer adhesion.





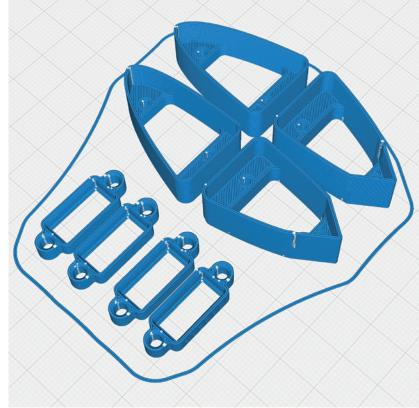
The information about the basic settings you can find on our website at PRINT. Please note the additional settings for the individual parts!

P1_MPX plug_cub.stl

MATERIAL PLA, Weight: ~ 10 g

ADDITIONAL SETTINGS

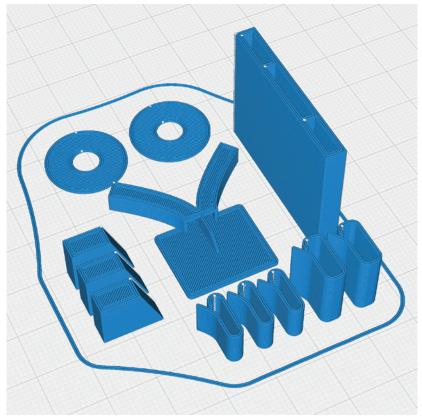
None required



P1_Parts_cub.stl

MATERIAL PLA, Weight: ~ 8 g

ADDITIONAL SETTINGS





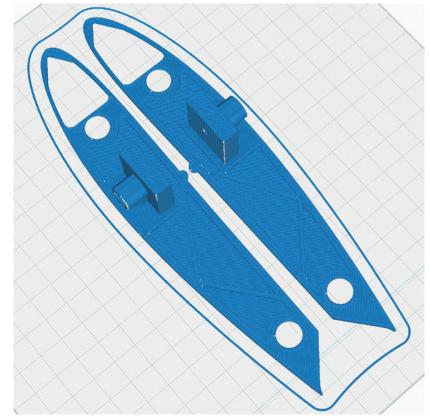
The information about the basic settings you can find on our website at PRINT. Please note the additional settings for the individual parts!

P1_Protectors_cub.stl

MATERIAL PLA, Weight: ~ 22 g

ADDITIONAL SETTINGS

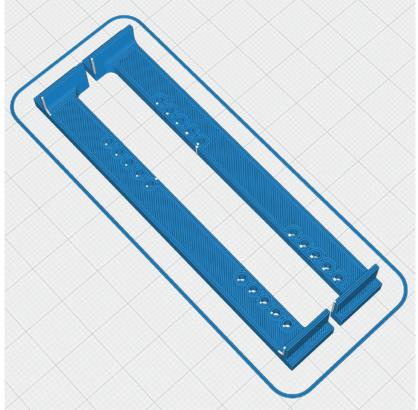
None required



P1_Servo mount_cub.stl

MATERIAL PLA, Weight: ~ 6 g

ADDITIONAL SETTINGS





The information about the basic settings you can find on our website at PRINT. Please note the additional settings for the individual parts!

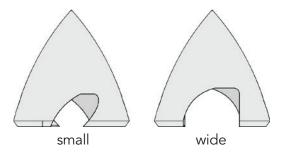
P1_Spinner small *Xmm_cub.stl or P1_Spinner wide *Xmm_cub.stl

MATERIAL PLA, Weight: ~ 10 g

ADDITIONAL SETTINGS

None required

* for 6 or 8 mm motor shaft

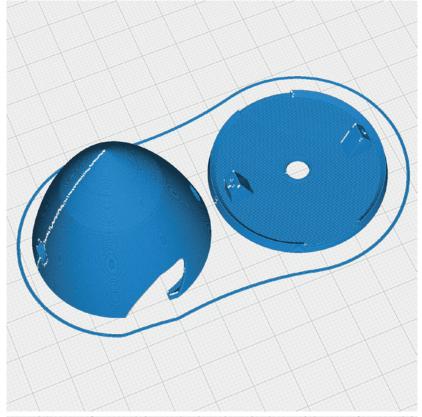


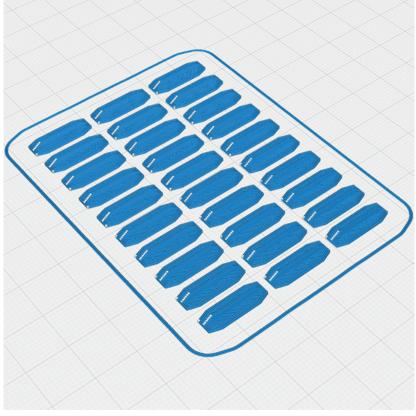


MATERIAL PLA, Weight: ~ 3 g

ADDITIONAL SETTINGS

Print twice







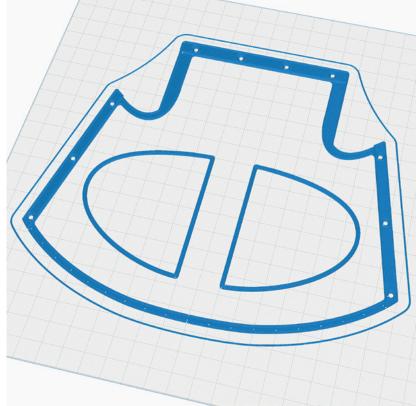
The information about the basic settings you can find on our website at PRINT. Please note the additional settings for the individual parts!

P1_Window frame 1_cub.stl

MATERIAL PLA, Weight: ~ 5 g

ADDITIONAL SETTINGS

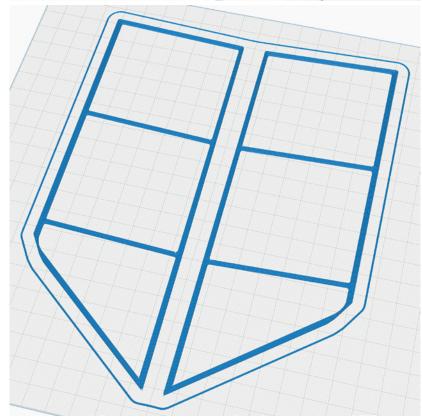
None required



P1_Window frame 2_cub.stl

MATERIAL PLA, Weight: ~ 3 g

ADDITIONAL SETTINGS





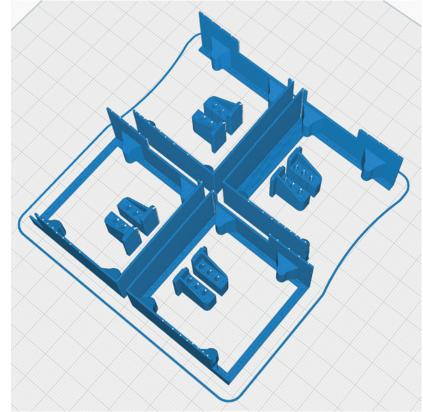
The information about the basic settings you can find on our website at PRINT. Please note the additional settings for the individual parts!

P1_WINGservo mount_cub.stl

MATERIAL PLA, Weight: ~ 26 g

ADDITIONAL SETTINGS

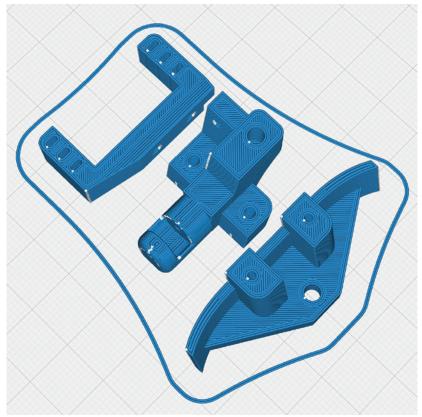
None required



P1_Tow coupling 23mm_cub.stl

MATERIAL PLA, Weight: ~ 13 g

ADDITIONAL SETTINGS





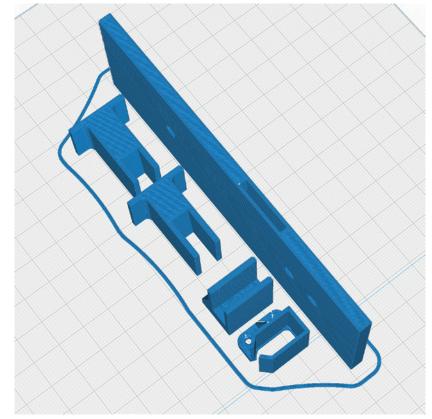
The information about the basic settings you can find on our website at PRINT. Please note the additional settings for the individual parts!

P2_Battery plate_cub.stl

MATERIAL PLA, Weight: ~ 27 g

ADDITIONAL SETTINGS

None required

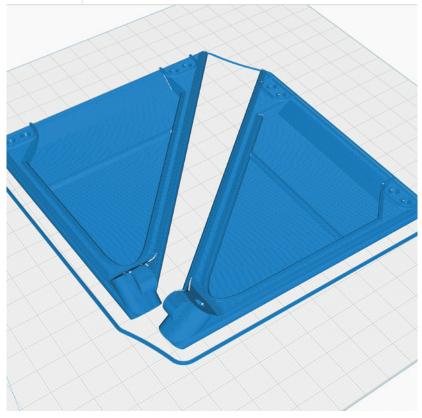


P2_Gear legs_cub.stl

MATERIAL PLA, Weight: ~ 27 g

ADDITIONAL SETTINGS

- Wall Line Count/Perimeters: 3
- Top Layers: 3
- Bottom Layers: 3





The information about the basic settings you can find on our website at PRINT. Please note the additional settings for the individual parts!

P2_Gear parts_cub.stl

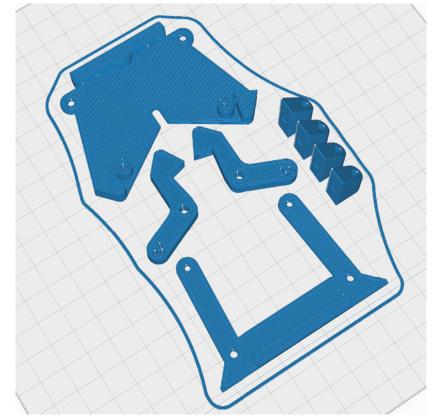
MATERIAL PLA, Weight: ~ 21 g

ADDITIONAL SETTINGS

• Wall Line Count/Perimeters: 3

• Top Layers: 3

• Bottom Layers: 3



P2_Gear plate_cub.stl

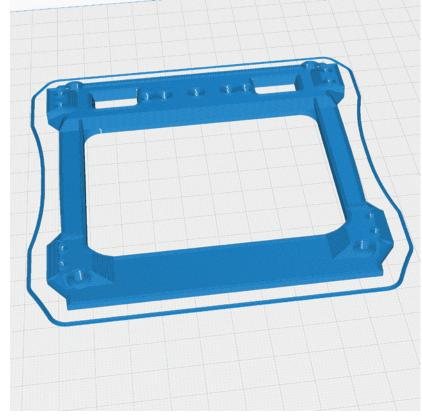
MATERIAL PLA, Weight: ~ 15 g

ADDITIONAL SETTINGS

• Wall Line Count/Perimeters: 3

• Top Layers: 3

• Bottom Layers: 3





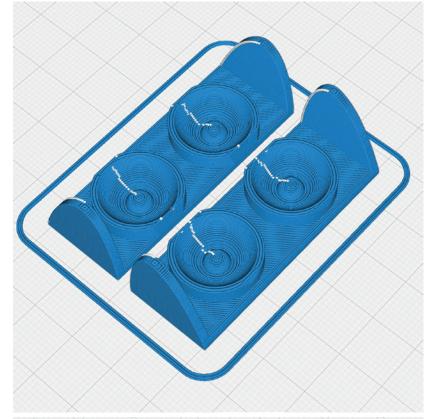
The information about the basic settings you can find on our website at PRINT. Please note the additional settings for the individual parts!

P2_Landing Lights_cub.stl

MATERIAL PLA, Weight: ~ 7 g

ADDITIONAL SETTINGS

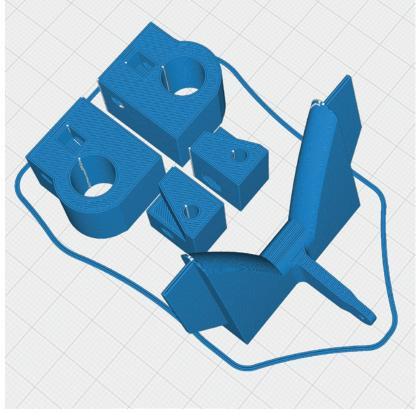
None required



P2_Parts_cub.stl

MATERIAL PLA, Weight: ~ 16 g

ADDITIONAL SETTINGS





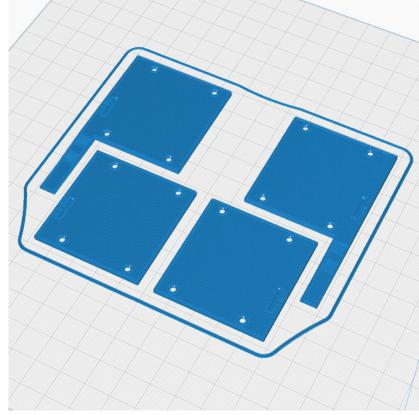
The information about the basic settings you can find on our website at PRINT. Please note the additional settings for the individual parts!

P2_WINGservo covers_cub.stl

MATERIAL PLA, Weight: ~ 13 g

ADDITIONAL SETTINGS

None required



P2_Carbon tool 10mm.stl and

MATERIAL PLA, Weight: ~ 10 g

ADDITIONAL SETTINGS







The information about the basic settings you can find on our website at PRINT. Please note the additional settings for the individual parts!

P2_Rim ball bearing_cub.stl or P2_Rim 4mm_cub.stl

MATERIAL PLA, Weight: ~ 13 g

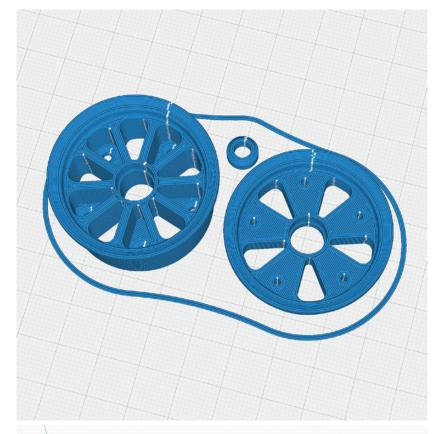
ADDITIONAL SETTINGS

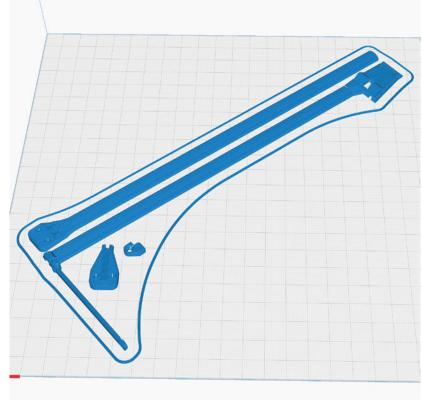
• Print twice

P2_Strut L_cub.stl and P2_Strut R_cub.stl

MATERIAL PLA, Weight: ~ 10 g

ADDITIONAL SETTINGS







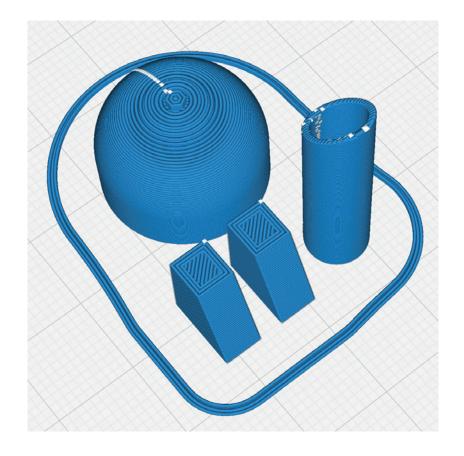
The information about the basic settings you can find on our website at PRINT. Please note the additional settings for the individual parts!

V-super P2_Parts_cub.stl

MATERIAL PLA, Weight: ~ 3 g

ADDITIONAL SETTINGS

• Only required for the Super Cub version





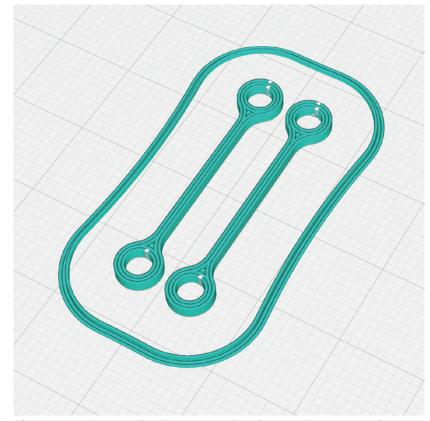
The information about the basic settings you can find on our website at PRINT. Please note the additional settings for the individual parts!

P4_Gear belts_cub.stl

MATERIAL TPU A95, Weight: ~ 0 g

ADDITIONAL SETTINGS

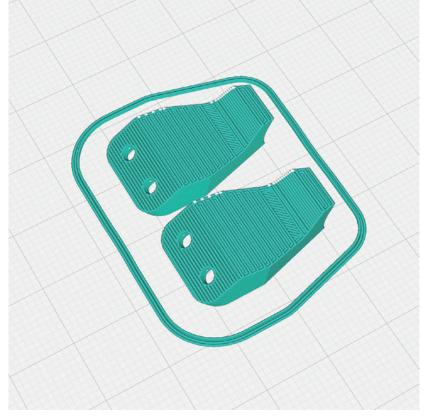
None required



P4_Gear stop.stl

MATERIAL TPU A95, Weight: ~ 2 g

ADDITIONAL SETTINGS





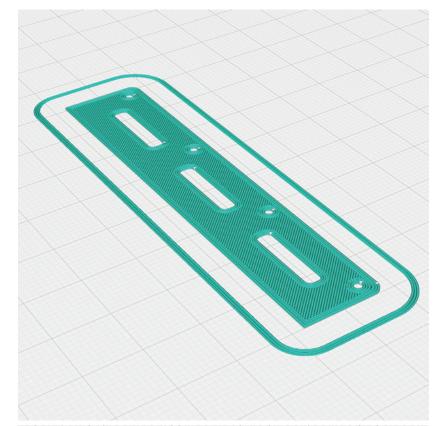
The information about the basic settings you can find on our website at PRINT. Please note the additional settings for the individual parts!

P4_Hinge Cover_cub.stl

MATERIAL TPU A95, Weight: ~ 1 g

ADDITIONAL SETTINGS

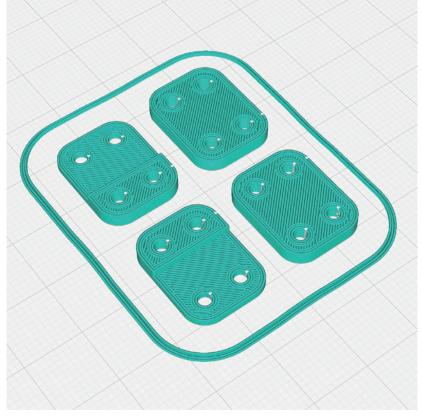
None required



P4_Hinges Gear_cub.stl

MATERIAL TPU A95, Weight: ~ 2 g

ADDITIONAL SETTINGS





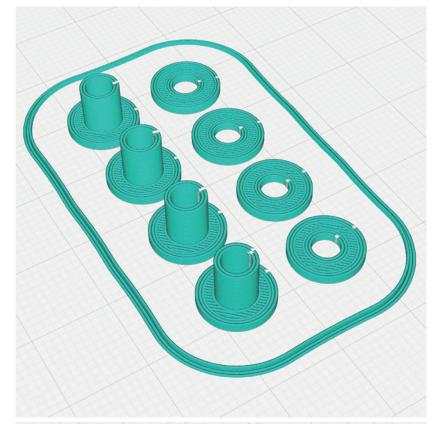
The information about the basic settings you can find on our website at PRINT. Please note the additional settings for the individual parts!

P4_Motor mount_cub.stl

MATERIAL TPU A95, Weight: ~ 1 g

ADDITIONAL SETTINGS

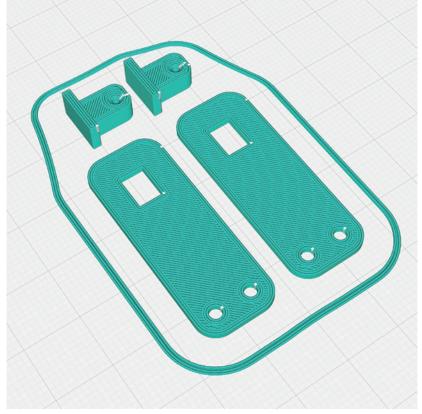
None required



P4_Strut mount 1_cub.stl

MATERIAL TPU A95, Weight: ~ 2 g

ADDITIONAL SETTINGS





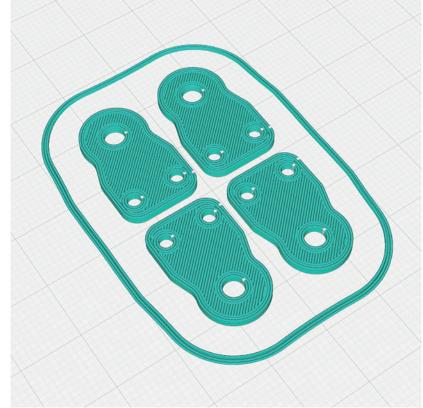
The information about the basic settings you can find on our website at PRINT. Please note the additional settings for the individual parts!

P4_Strut mount 2_cub.stl

MATERIAL TPU A95, Weight: ~ 2 g

ADDITIONAL SETTINGS

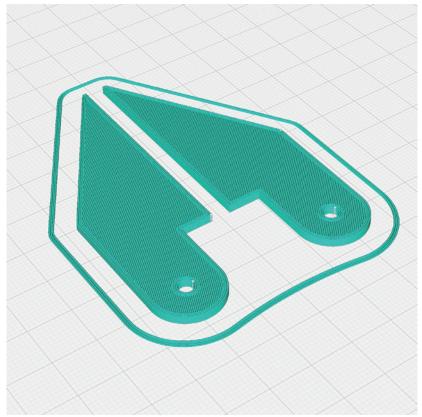
• Infill/Fill: 100 %



P4_WING mount_cub.stl

MATERIAL TPU A95, Weight: ~ 6 g

ADDITIONAL SETTINGS





The information about the basic settings you can find on our website at PRINT. Please note the additional settings for the individual parts!

P4_Tire back_cub.stl

MATERIAL VarioShore or TPU A95

ADDITIONAL SETTINGS

VarioShore with Flow 70 %:

Wall Line Count: 5Top Layers: 5Bottom Layers: 5

Infill Density: 6 %Infill Pattern: Gyroid

TPU A95:

• Wall Line Count: 3

• Top Layers: 3

• Infill Density: 6 %

• Infill Pattern: Gyroid

P4_Tire_cub.stl

MATERIAL LW-TPU (recommended), Weight: ~ 30 g (VarioShore)

ADDITIONAL SETTINGS

• Print twice

VarioShore with Flow 70 %:

• Wall Line Count: 5

Top Layers: 5Bottom Layers: 5Infill Density: 6 %

• Infill Pattern: Gyroid

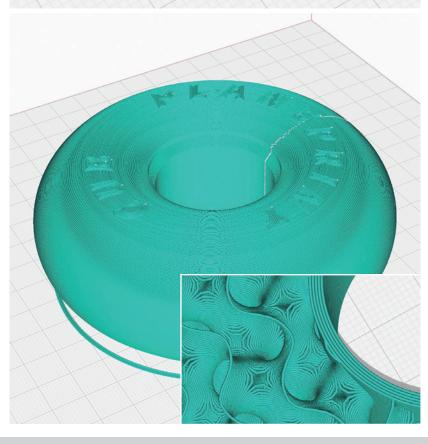
TPU A95:

• Wall Line Count: 3

• Top Layers: 3

• Infill Density: 6 %

• Infill Pattern: Gyroid







The information about the basic settings you can find on our website at PRINT. Please note the additional settings for the individual parts! It is essential to print these parts with foaming LW-PLA (pre-foamed is heavier)!

Basic settings for LW-PLA: Please follow the instructions in our WINGTEST AND CALIBRATION TOOL on our website for correct adjustment! Print only one STL at a time!

P5_Ail L 1_cub.stl and P5_Ail R 1_cub.stl

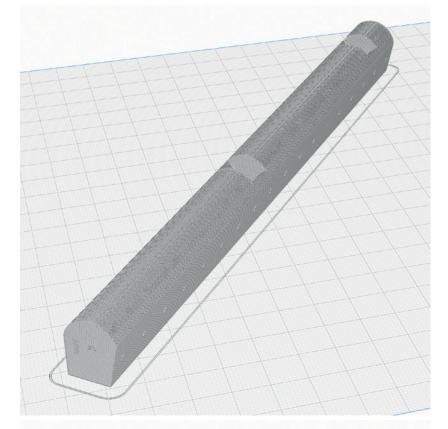
MATERIAL LW PLA, Weight: ~ 7 g

TIME ~ 1 hour

ADDITIONAL SETTINGS

None required

TIP Label the Aileron parts so that you don't mix them up later!

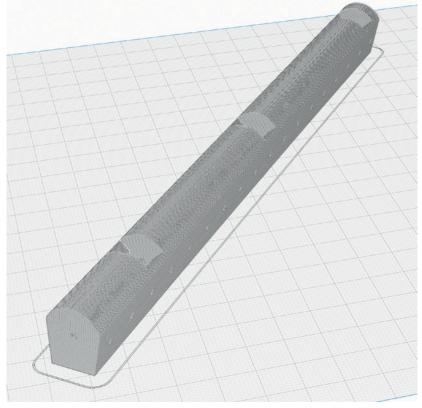


P5_Ail L 2_cub.stl and P5_Ail R 2_cub.stl

MATERIAL LW PLA, Weight: ~ 7 g

TIME ~ 1 hour

ADDITIONAL SETTINGS





The information about the basic settings you can find on our website at PRINT.

Please note the additional settings for the individual parts!

It is essential to print these parts with foaming LW-PLA (pre-foamed is heavier)!

Basic settings for LW-PLA: Please follow the instructions in our WINGTEST AND CALIBRATION TOOL on our website for correct adjustment! Print only one STL at a time!

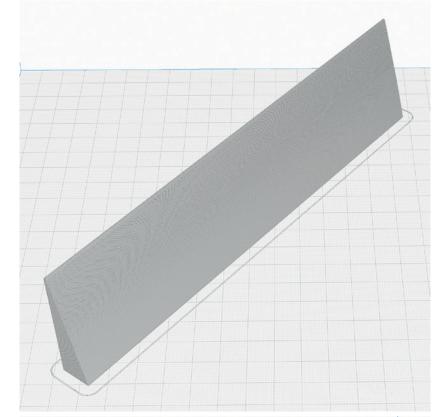
P5_Ail L 3_cub.stl and P5_Ail R 3_cub.stl

MATERIAL LW PLA, Weight: ~ 8 g

TIME ~ 1 hour 20 minutes

ADDITIONAL SETTINGS

None required

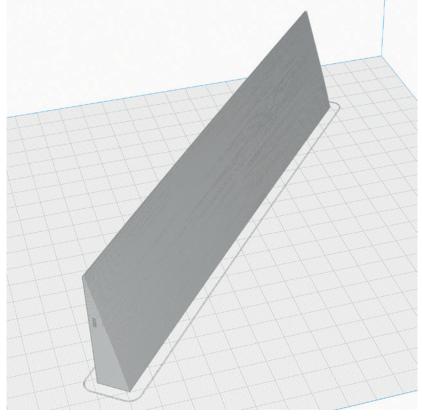


P5_Ail L 4_cub.stl and P5_Ail R 4_cub.stl

MATERIAL LW PLA, Weight: ~ 9 g

TIME ~ 1 hour 30 minutes

ADDITIONAL SETTINGS





The information about the basic settings you can find on our website at PRINT.

Please note the additional settings for the individual parts!

It is essential to print these parts with foaming LW-PLA (pre-foamed is heavier)!

Basic settings for LW-PLA: Please follow the instructions in our **WINGTEST AND CALIBRATION TOOL** on our website for correct adjustment! Print only one STL at a time!

P5_Cowling_cub.stl

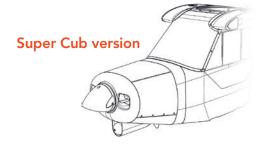
MATERIAL LW PLA, Weight: ~ 19 g

TIME ~ 3 hours 40 minutes

ADDITIONAL SETTINGS

• Layer Height: 0.2mm

• This part is not required if you want to build the Super Cub version!

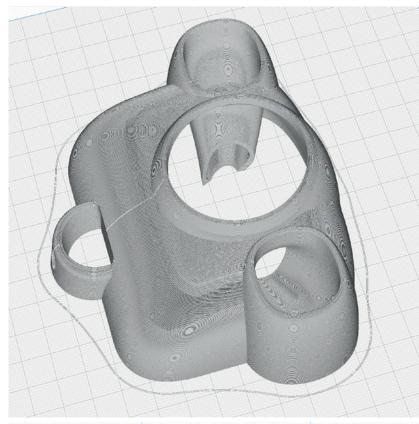


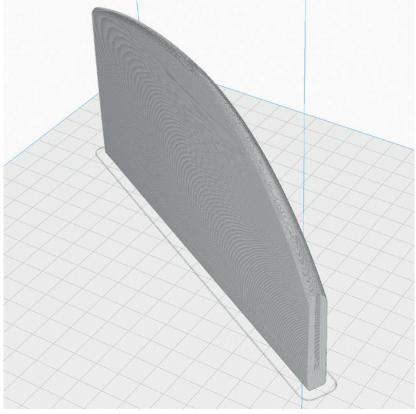
P5_ELE 1 L_cub.stl and P5_ELE 1 R_cub.stl

MATERIAL LW PLA, Weight: ~ 12 g

TIME ~ 2 hours 10 minutes

ADDITIONAL SETTINGS









The information about the basic settings you can find on our website at PRINT.

Please note the additional settings for the individual parts!

It is essential to print these parts with foaming LW-PLA (pre-foamed is heavier)!

Basic settings for LW-PLA: Please follow the instructions in our WINGTEST AND CALIBRATION TOOL on our website for correct adjustment! Print only one STL at a time!

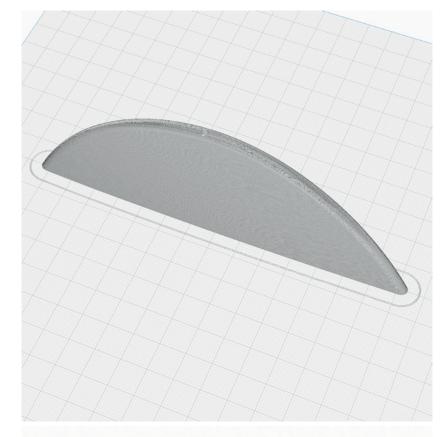
P5_ELE 2_cub.stl

MATERIAL LW PLA, Weight: ~ 6 g

TIME ~ 1 hour

ADDITIONAL SETTINGS

Print twice

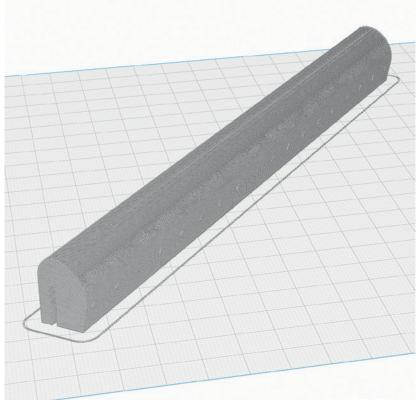


P5_Flap L 1_cub.stl and P5_Flap R 1_cub.stl

MATERIAL LW PLA, Weight: ~ 6 g

TIME ~ 1 hour

ADDITIONAL SETTINGS





The information about the basic settings you can find on our website at PRINT.

Please note the additional settings for the individual parts!

It is essential to print these parts with foaming LW-PLA (pre-foamed is heavier)!

Basic settings for LW-PLA: Please follow the instructions in our WINGTEST AND CALIBRATION TOOL on our website for correct adjustment! Print only one STL at a time!

P5_Flap L 2_cub.stl and P5_Flap R 2_cub.stl

MATERIAL LW PLA, Weight: ~ 8 g

TIME ~ 1 hour 20 minutes

ADDITIONAL SETTINGS

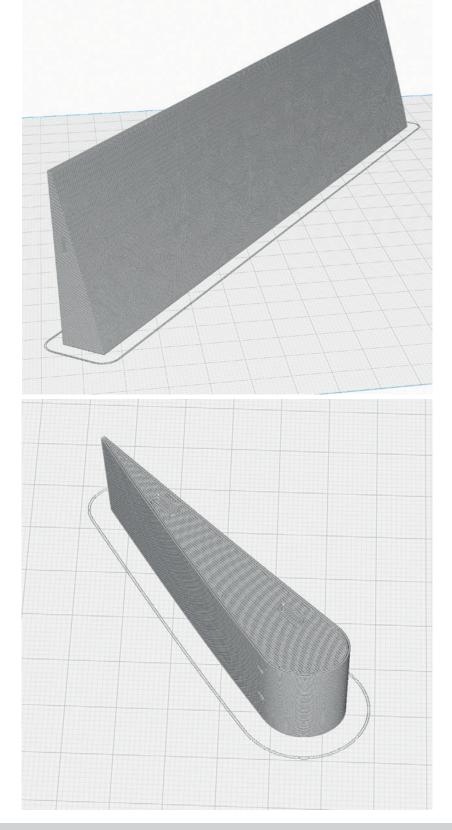
None required

P5_Flap R 3_cub.stl and P5_Flap R 3_cub.stl

MATERIAL LW PLA, Weight: ~ 2 g

TIME ~ 20 minutes

ADDITIONAL SETTINGS





The information about the basic settings you can find on our website at PRINT. Please note the additional settings for the individual parts!

It is essential to print these parts with foaming LW-PLA (pre-foamed is heavier)!

Basic settings for LW-PLA: Please follow the instructions in our WINGTEST AND CALIBRATION TOOL on our website for correct adjustment! Print only one STL at a time!

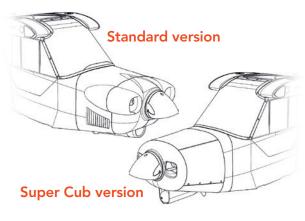
P5_FUS 1_cub.stl

MATERIAL LW PLA, Weight: ~ 35 g

TIME ~ 6 hours

ADDITIONAL SETTINGS

 This part is not required if you want to build the Super Cub version!

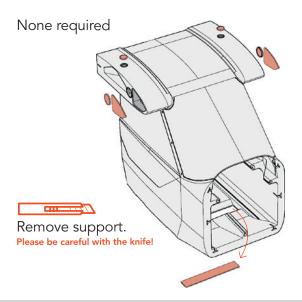


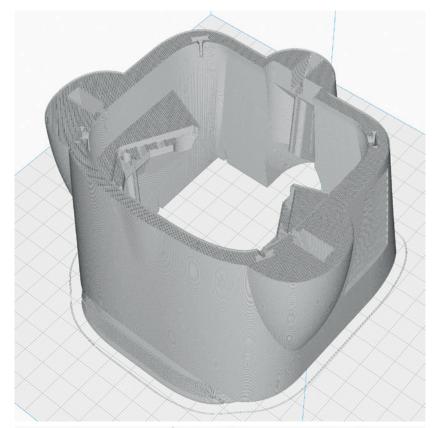


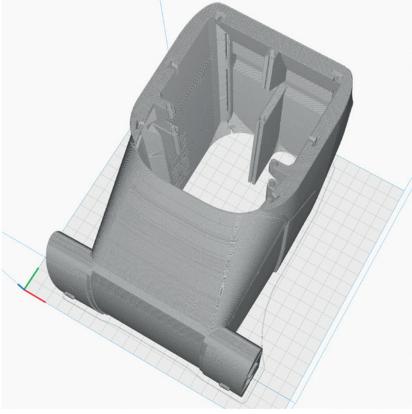
MATERIAL LW PLA, Weight: ~ 100 g

TIME ~ 20 hours

ADDITIONAL SETTINGS









The information about the basic settings you can find on our website at PRINT. Please note the additional settings for the individual parts!

It is essential to print these parts with foaming LW-PLA (pre-foamed is heavier)!

Basic settings for LW-PLA: Please follow the instructions in our WINGTEST AND CALIBRATION TOOL on our website for correct adjustment! Print only one STL at a time!

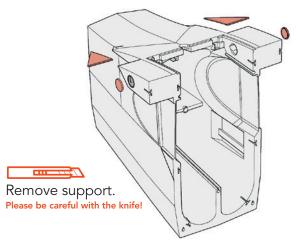
P5_FUS 3_cub.stl

MATERIAL LW PLA, Weight: ~ 90 g

TIME ~ 18 hours

ADDITIONAL SETTINGS

None required

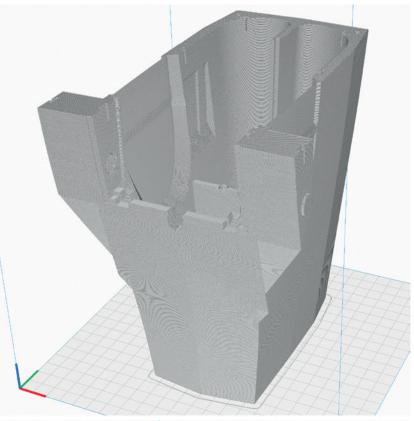


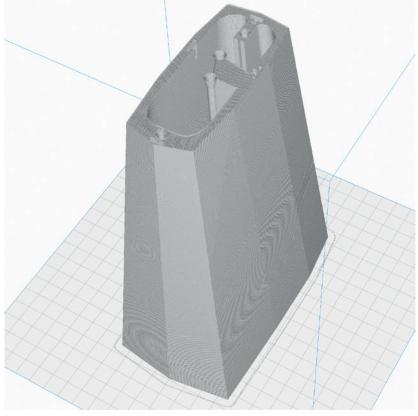
P5_FUS 4_cub.stl

MATERIAL LW PLA, Weight: ~ 60 g

TIME ~ 11 hours

ADDITIONAL SETTINGS







The information about the basic settings you can find on our website at PRINT. Please note the additional settings for the individual parts!

It is essential to print these parts with foaming LW-PLA (pre-foamed is heavier)!

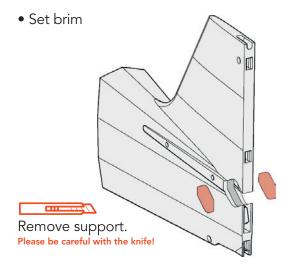
Basic settings for LW-PLA: Please follow the instructions in our WINGTEST AND CALIBRATION TOOL on our website for correct adjustment! Print only one STL at a time!

P5_FUS 5_cub.stl

MATERIAL LW PLA, Weight: ~ 30 g

TIME ~ 7 hours

ADDITIONAL SETTINGS

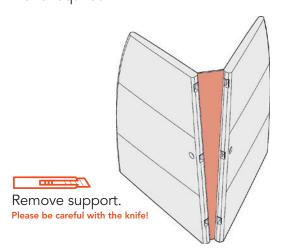


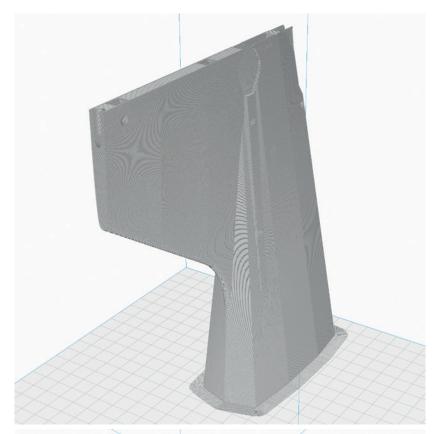


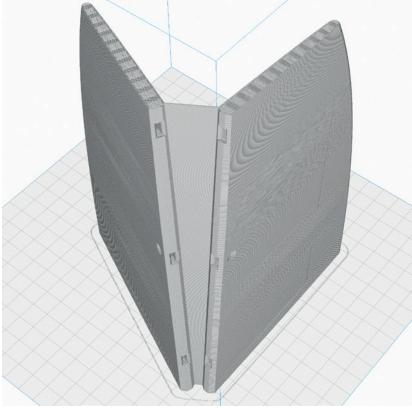
MATERIAL LW PLA, Weight: ~ 32 g

TIME ~ 7 hours

ADDITIONAL SETTINGS









The information about the basic settings you can find on our website at PRINT.

Please note the additional settings for the individual parts!

It is essential to print these parts with foaming LW-PLA (pre-foamed is heavier)!

Basic settings for LW-PLA: Please follow the instructions in our **WINGTEST AND CALIBRATION TOOL** on our website for correct adjustment! Print only one STL at a time!

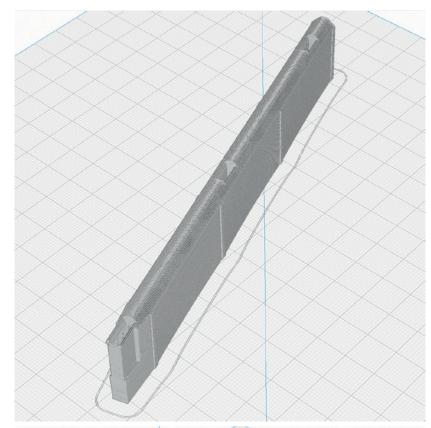
P5_RUD 1_cub.stl

MATERIAL LW PLA, Weight: ~ 4 g

TIME ~ 40 minutes

ADDITIONAL SETTINGS

None required

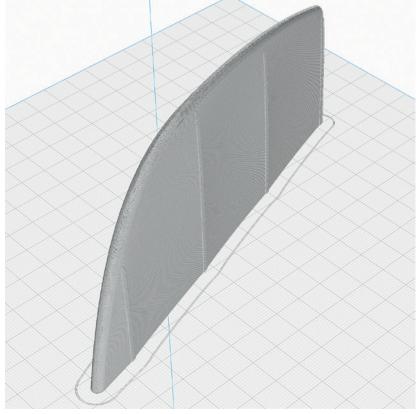


P5_RUD 2_cub.stl

MATERIAL LW PLA, Weight: ~ 8 g

TIME ~ 1 hour 20 minutes

ADDITIONAL SETTINGS







The information about the basic settings you can find on our website at PRINT.

Please note the additional settings for the individual parts!

It is essential to print these parts with foaming LW-PLA (pre-foamed is heavier)!

Basic settings for LW-PLA: Please follow the instructions in our WINGTEST AND CALIBRATION TOOL on our website for correct adjustment! Print only one STL at a time!

P5_RUD top_cub.stl

MATERIAL LW PLA, Weight: ~ 4 g

TIME ~ 1 hour

ADDITIONAL SETTINGS

None required

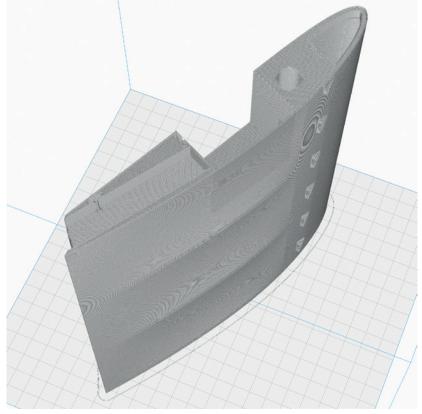


P5_WING L 1_cub.stl and P5_WING R 1_cub.stl

MATERIAL LW PLA, Weight: ~ 60 g

TIME ~ 9 hours 30 minutes

ADDITIONAL SETTINGS





The information about the basic settings you can find on our website at PRINT. Please note the additional settings for the individual parts! It is essential to print these parts with foaming LW-PLA (pre-foamed is heavier)!

Basic settings for LW-PLA: Please follow the instructions in our WINGTEST AND CALIBRATION TOOL on our website for correct adjustment! Print only one STL at a time!

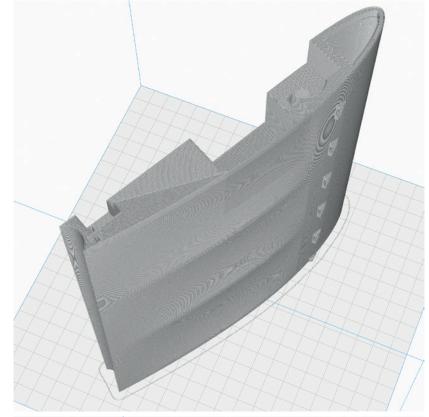
P5_WING L 2_cub.stl and P5_WING R 2_cub.stl

MATERIAL LW PLA, Weight: ~ 55 g

TIME ~ 8 hours 30 minutes

ADDITIONAL SETTINGS

None required

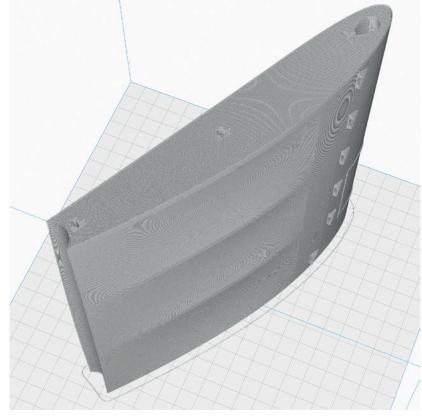


P5_WING L 3_cub.stl and P5_WING R 3_cub.stl

MATERIAL LW PLA, Weight: ~ 57 g

TIME ~ 8 hours 30 minutes

ADDITIONAL SETTINGS





The information about the basic settings you can find on our website at PRINT.

Please note the additional settings for the individual parts!

It is essential to print these parts with foaming LW-PLA (pre-foamed is heavier)!

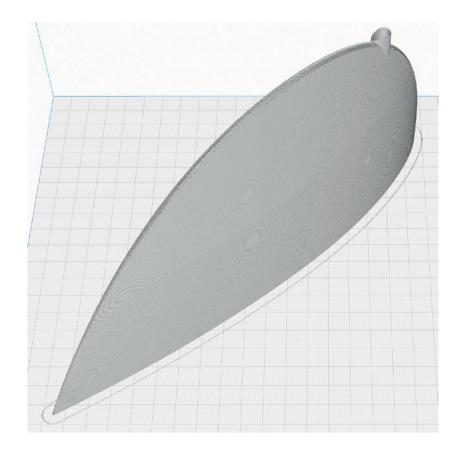
Basic settings for LW-PLA: Please follow the instructions in our WINGTEST AND CALIBRATION TOOL on our website for correct adjustment! Print only one STL at a time!

P5_WINGtip L_cub.stl and P5_WINGtip R_cub.stl

MATERIAL LW PLA, Weight: ~ 25 g

TIME ~ 4 hours

ADDITIONAL SETTINGS





The information about the basic settings you can find on our website at PRINT.

Please note the additional settings for the individual parts!

It is essential to print these parts with foaming LW-PLA (pre-foamed is heavier)!

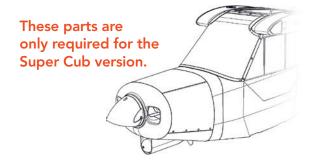
Basic settings for LW-PLA: Please follow the instructions in our **WINGTEST AND CALIBRATION TOOL** on our website for correct adjustment! Print only one STL at a time!

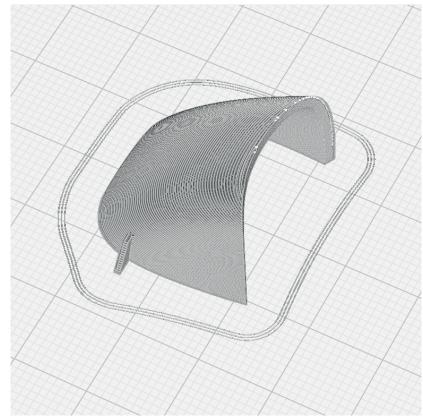
V-super P5_cooling L_cub.stl and V-super P5_cooling R_cub.stl

MATERIAL LW PLA, Weight: ~ 1 g

ADDITIONAL SETTINGS

None required





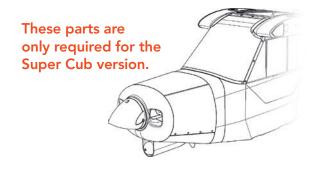
V-super P5_Cowling_cub.stl

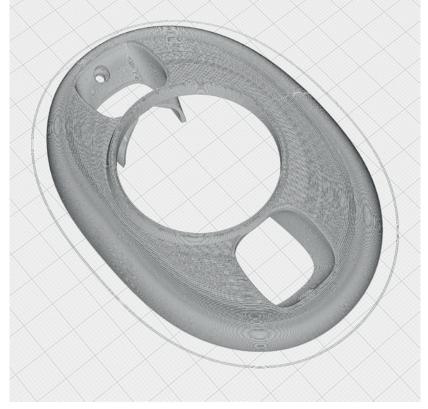
MATERIAL LW PLA, Weight: ~ 9 g

TIME ~ 1 hour

ADDITIONAL SETTINGS

• Layer Height: 0.2mm









The information about the basic settings you can find on our website at PRINT. Please note the additional settings for the individual parts!

It is essential to print these parts with foaming LW-PLA (pre-foamed is heavier)!

Basic settings for LW-PLA: Please follow the instructions in our **WINGTEST AND CALIBRATION TOOL** on our website for correct adjustment! Print only one STL at a time!

V-super P5_FUS 1a_cub.stl

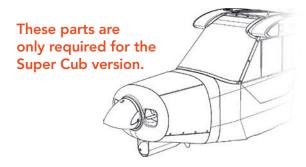
MATERIAL LW PLA, Weight: ~ 10 g

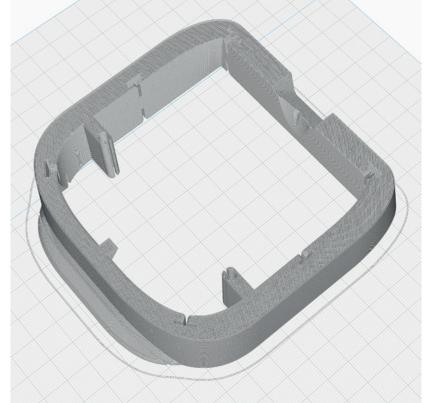
TIME ~ 2 hours

ADDITIONAL SETTINGS

None required

NOTE If your printer has a larger build space, there is a combined STL:
V-super P5_FUS 1a+2_cub.stl





V-super P5_FUS 1b_cub.stl

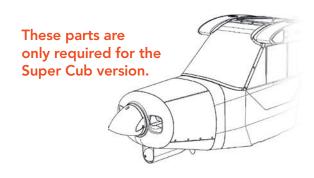
MATERIAL LW PLA, Weight: ~ 30 g

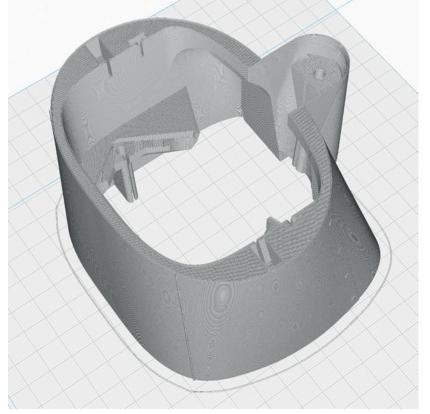
TIME ~ 6 hours

ADDITIONAL SETTINGS

None required

NOTE If your printer has a larger build space, there is a combined STL: V-super P5_FUS 1a+2_cub.stl







Basic Information:



Gluing the parts printed with PROFILE P5

STEP 1 As a first step, it is important to roughen and smooth the adhesive surfaces with sandpaper.

STEP 2 Insert the interconnects into the slots provided on one side.

Apply a lot of glue to the side with the interconnects. It is important that there is glue everywhere, especially on the outside and inside of the wall surfaces, in order to achieve a perfect connection. The interconnects only serve to align the parts to each other. It is better **not** to apply glue here, otherwise it can happen that the glue suddenly hardens while the parts are being put together and stops the process.

Use medium viscosity CA glue, thinner glue would run down the parts too easily.

After assembly, **align the two parts exactly** and wipe off the excess CA glue from the surface with a cloth. Now spray with activator spray along the gluing surface and carefully press the parts together.

STEP 4 Clean the glued areas slightly with a sharp-bladed cutter.

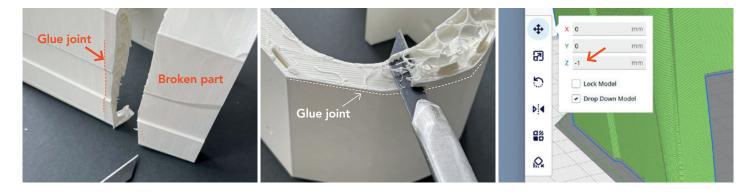


PROFILES 5 parts are easy to repair

STEP 1 Using the knife, carefully remove the damaged part about 3 mm from the glue joint between two parts.

STEP 2 Cut wall and infill and clean the surface with sandpaper. The top surface of the damaged part remains!

The remaining top surface is about 1 mm thick. To compensate for this, you can move the new part to be printed down the Z axis in Cura by 1 mm.

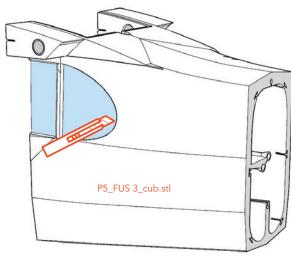


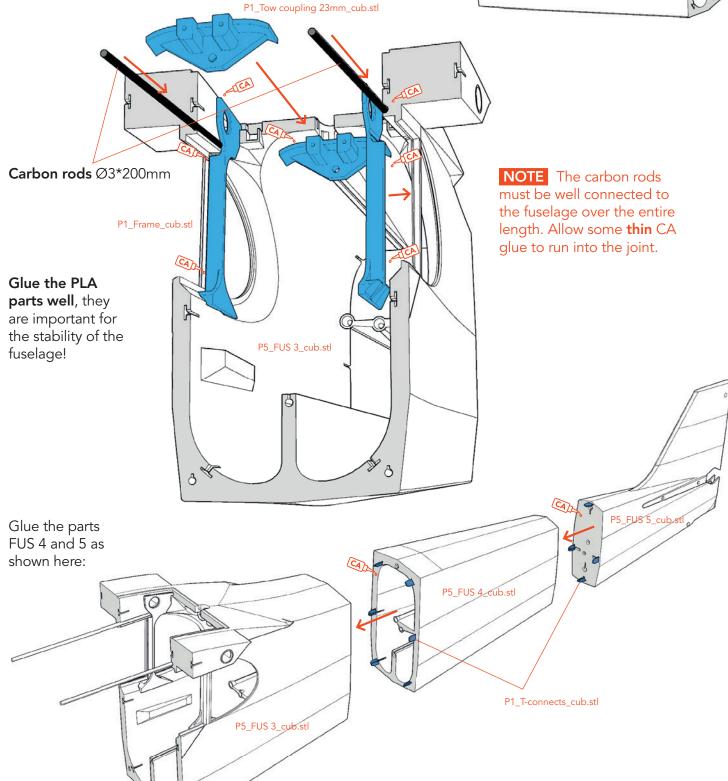
Fuselage assembly Redium liquid



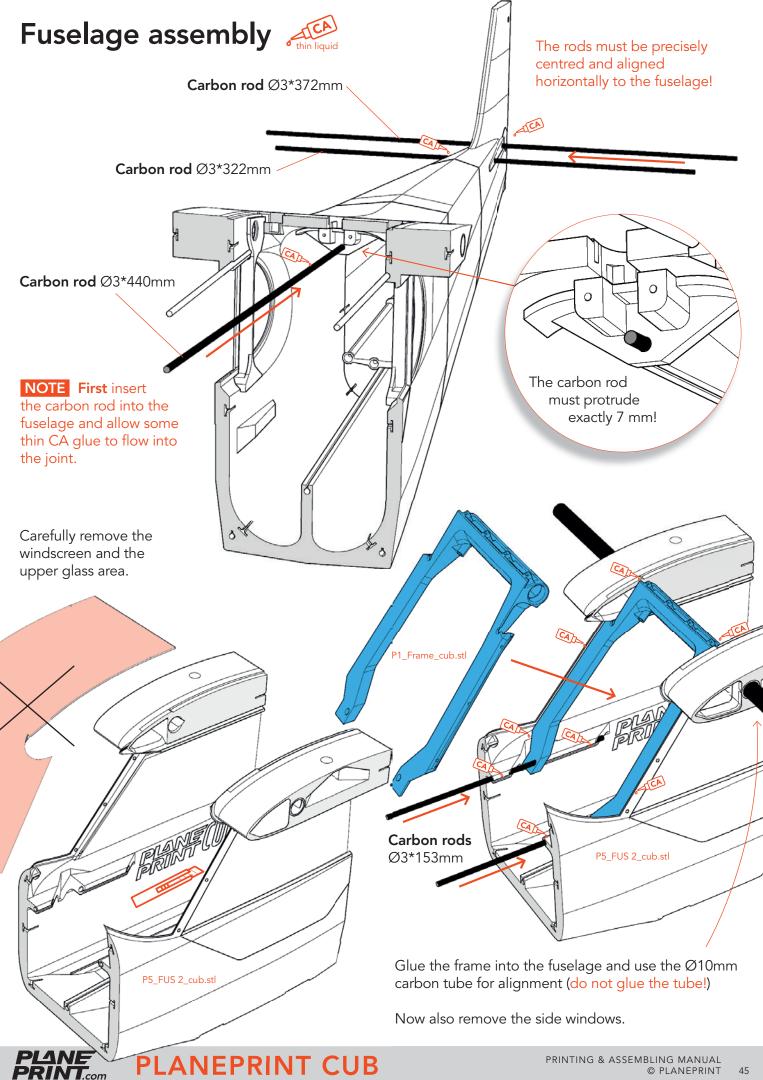
If you want to build the PLANEPRINT Cub with transparent foil windows, first carefully cut out the windows at FUS 3 with a sharp pointed knife. This works best if you cut over the same edge very often with little pressure until the window falls out.

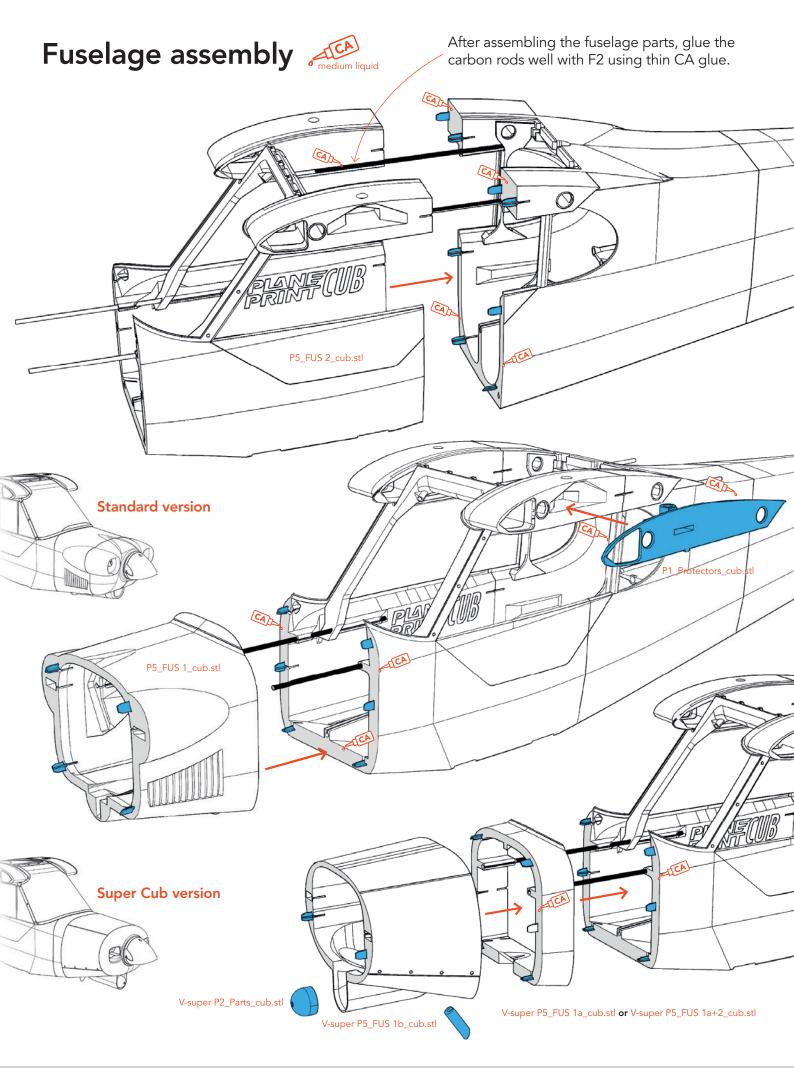
You can also leave the windows closed and paint them blue.

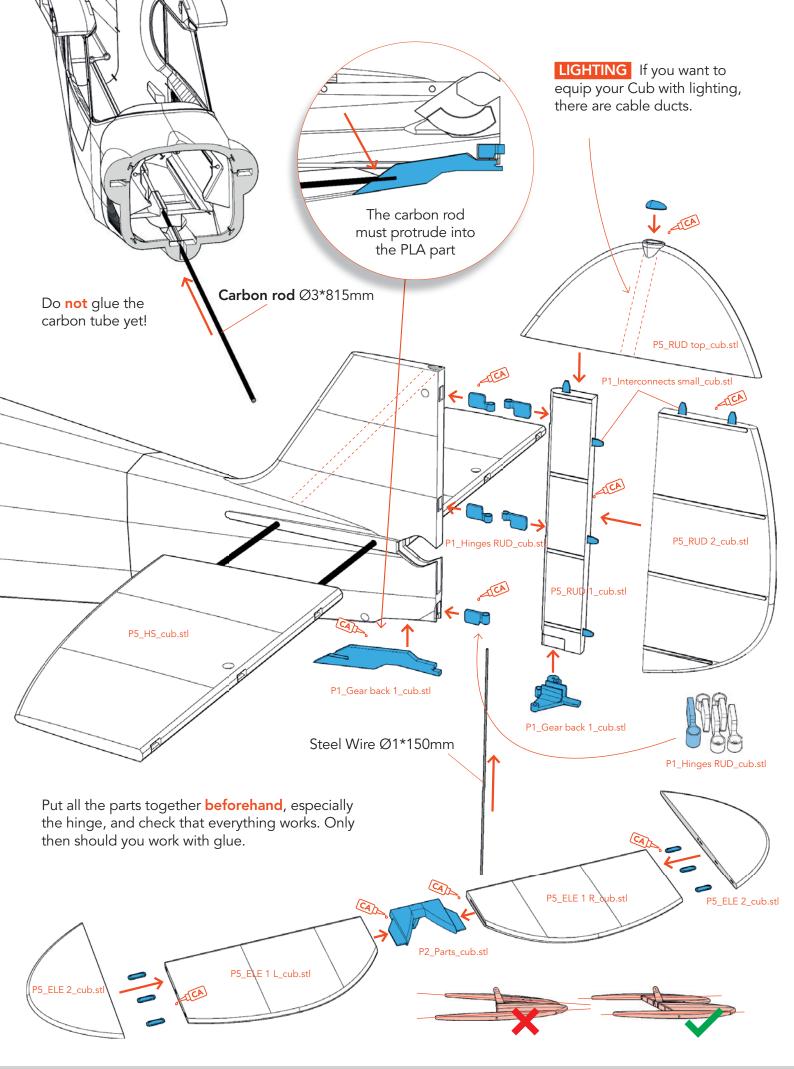


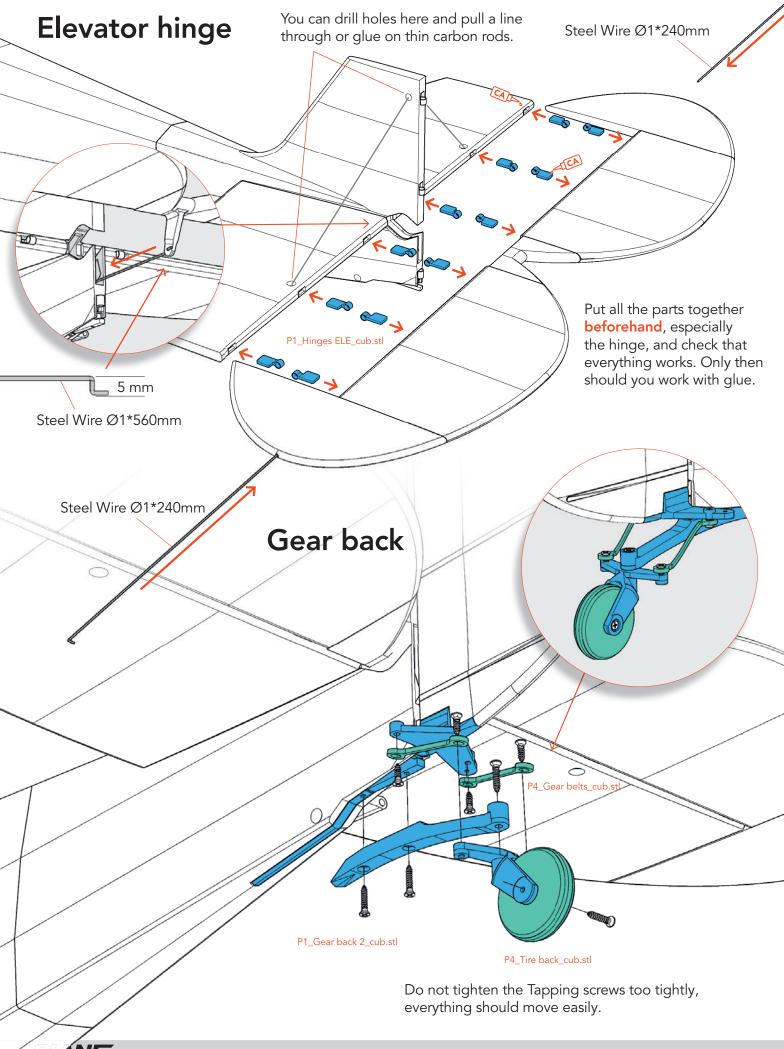


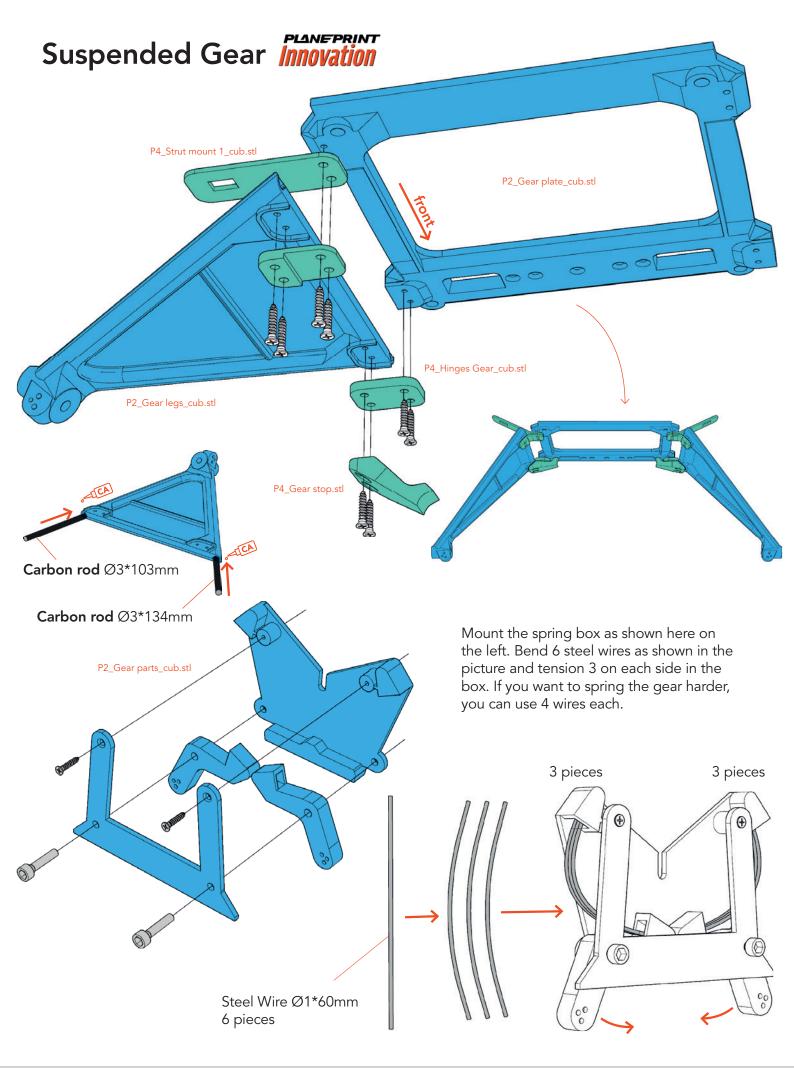
PLANEPRINT CUB

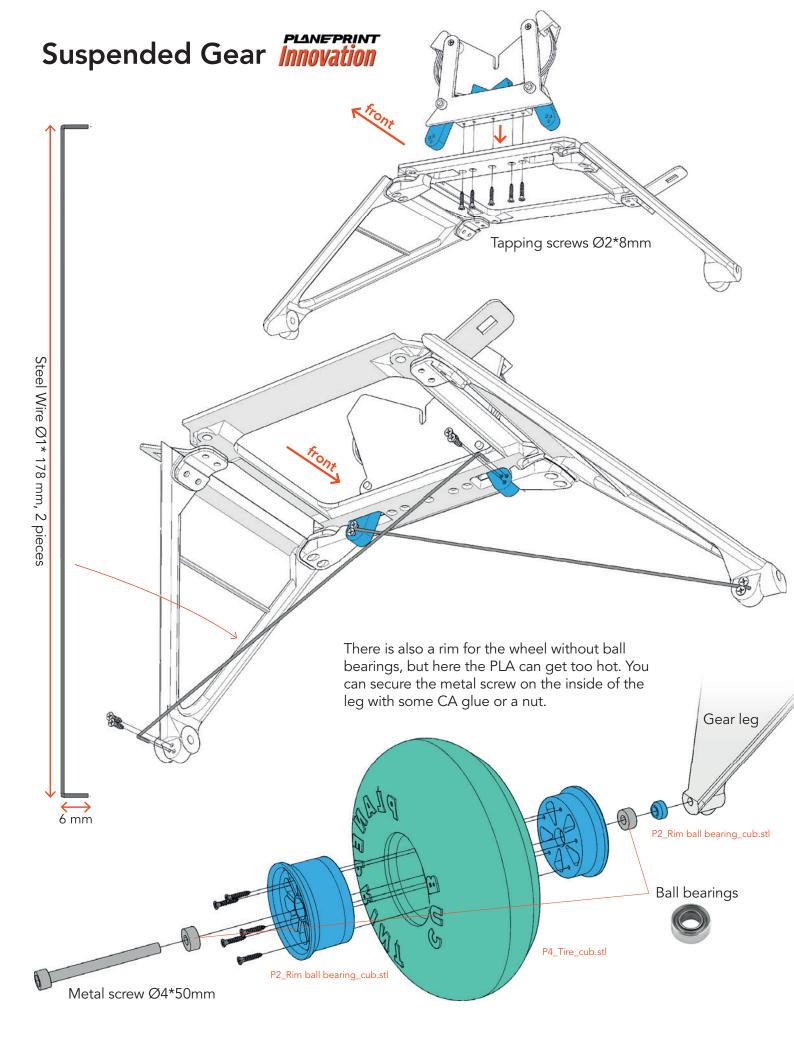


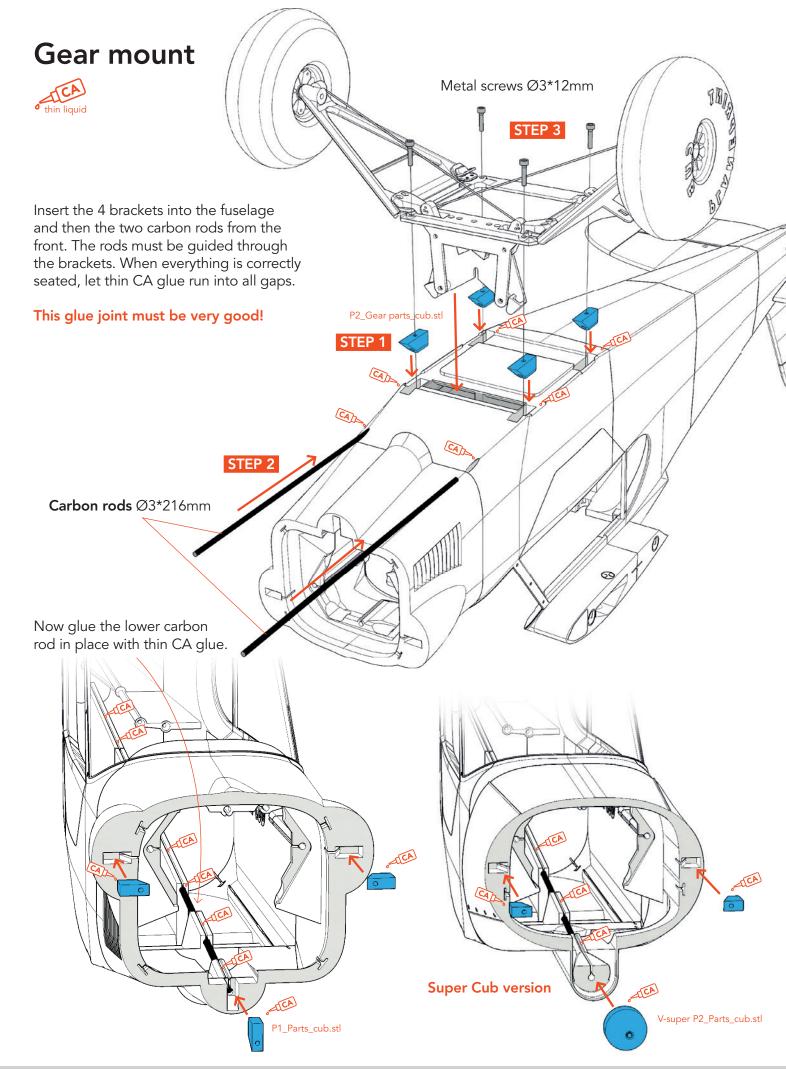


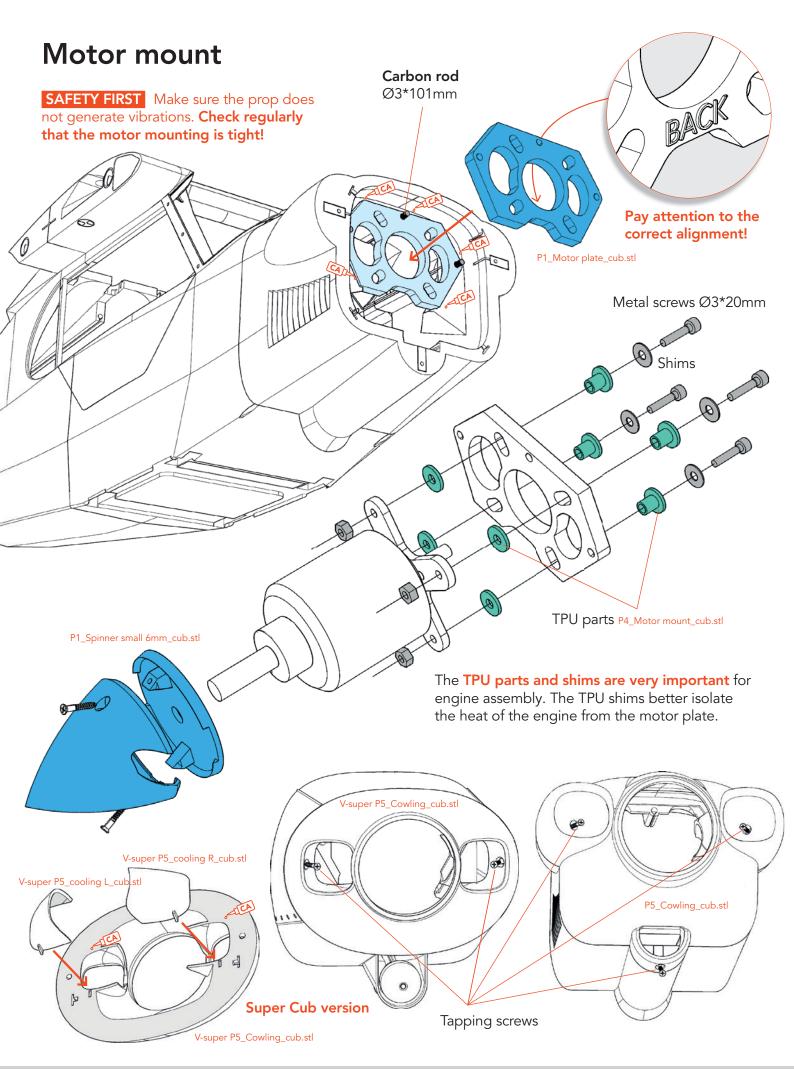


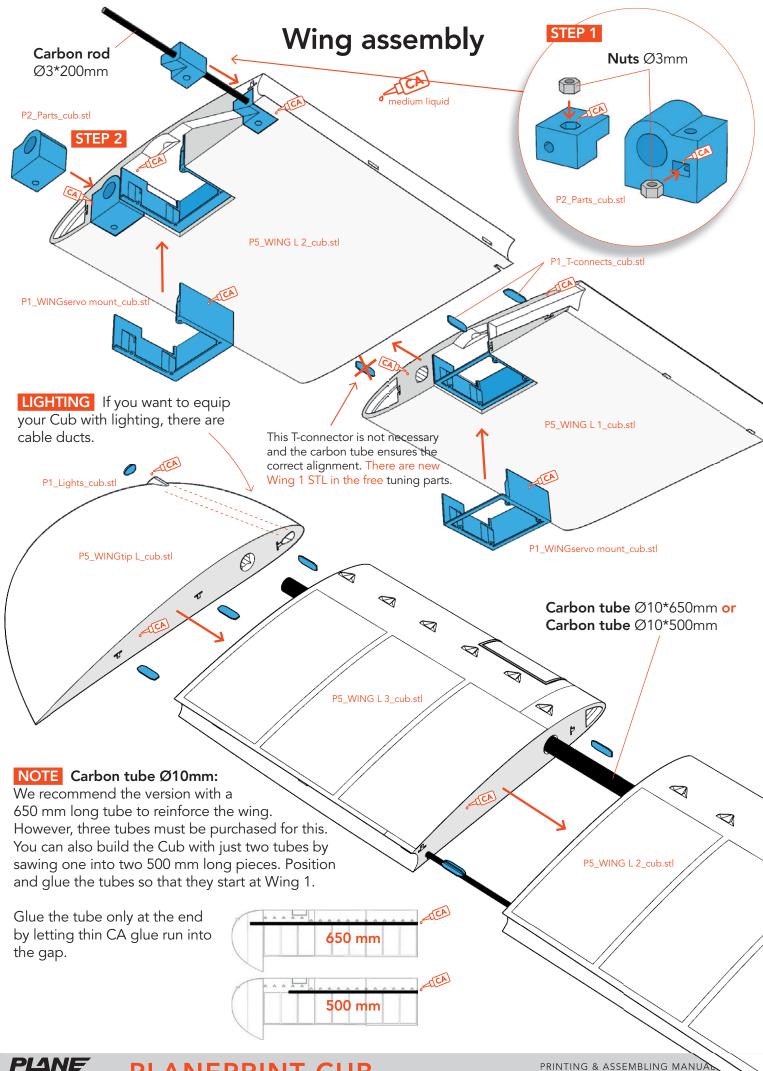


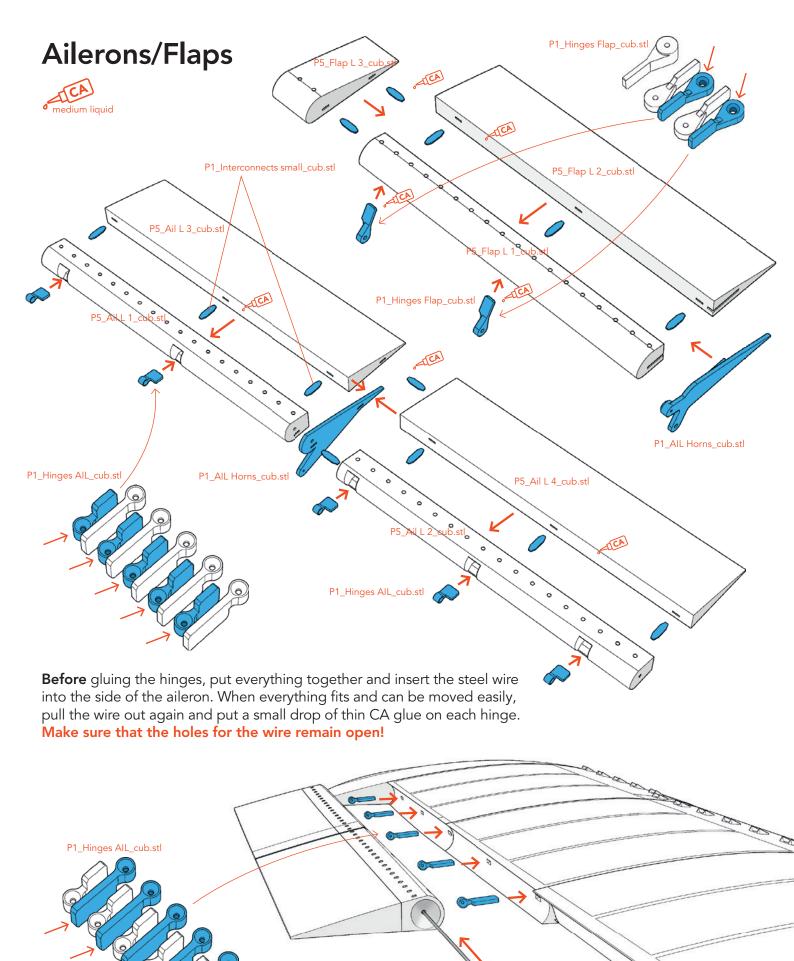






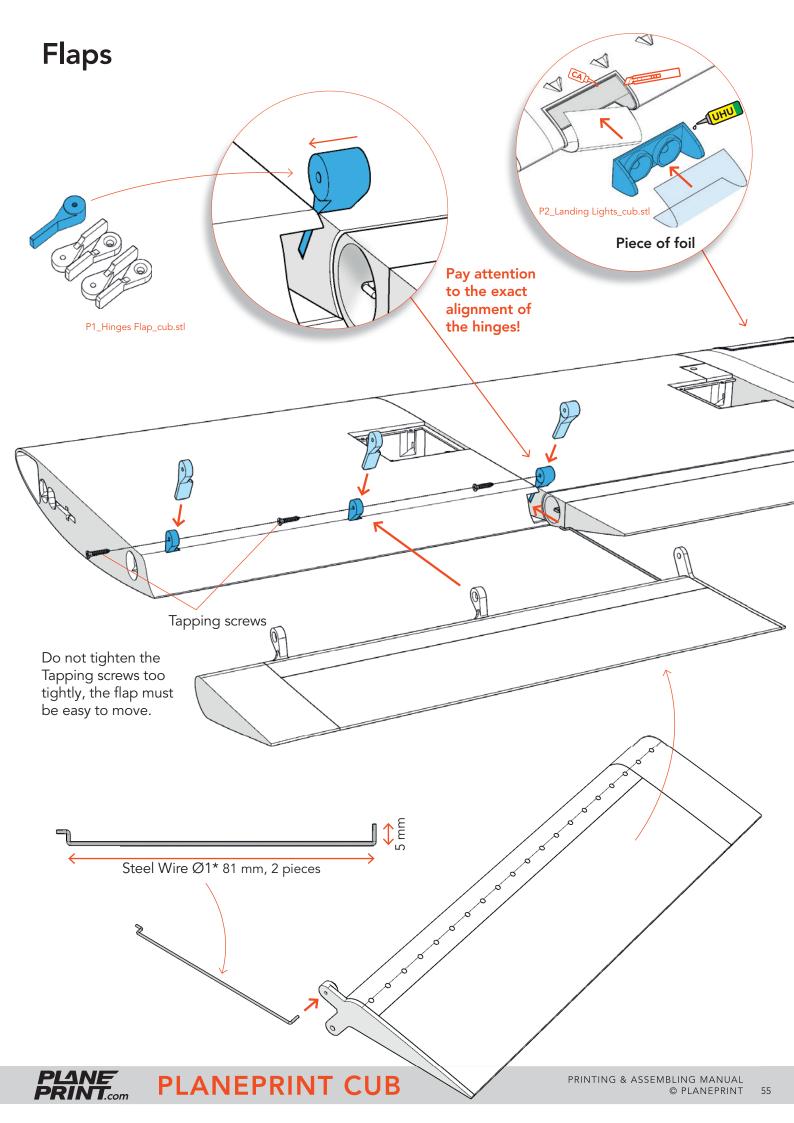


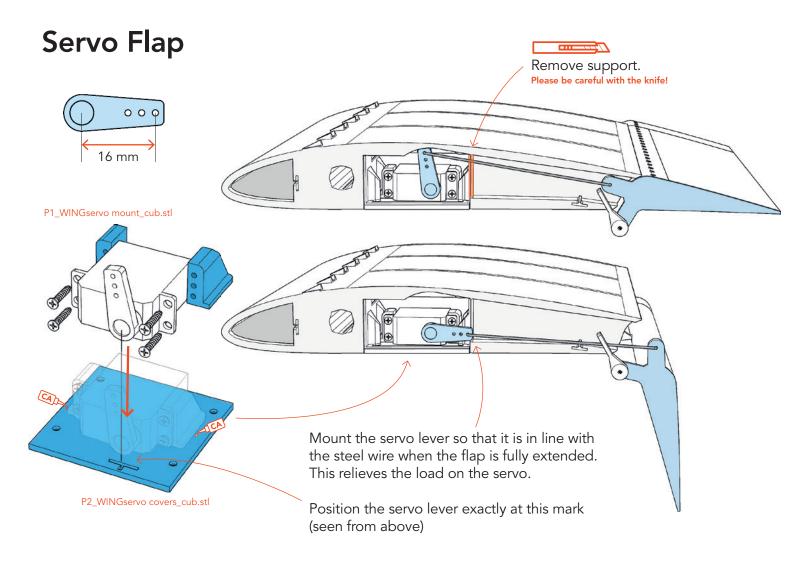




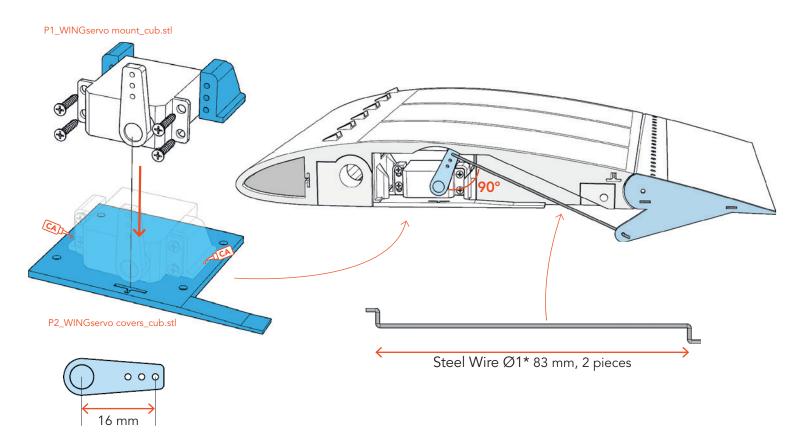
Steel Wire Ø1*385mm





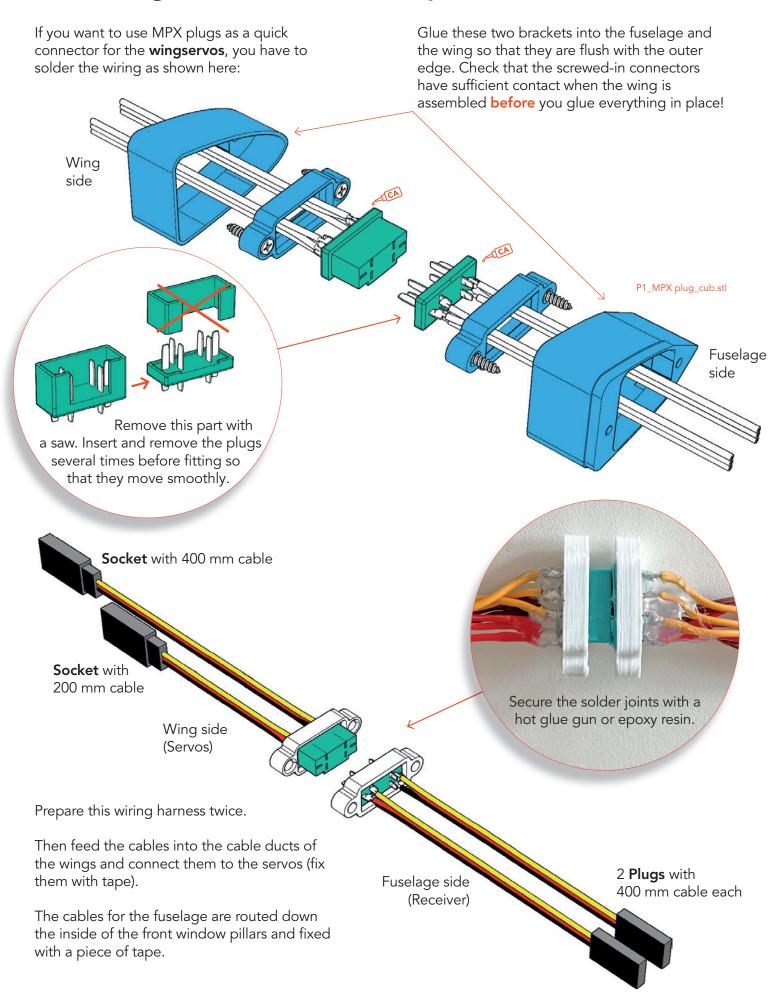


Servo Aileron

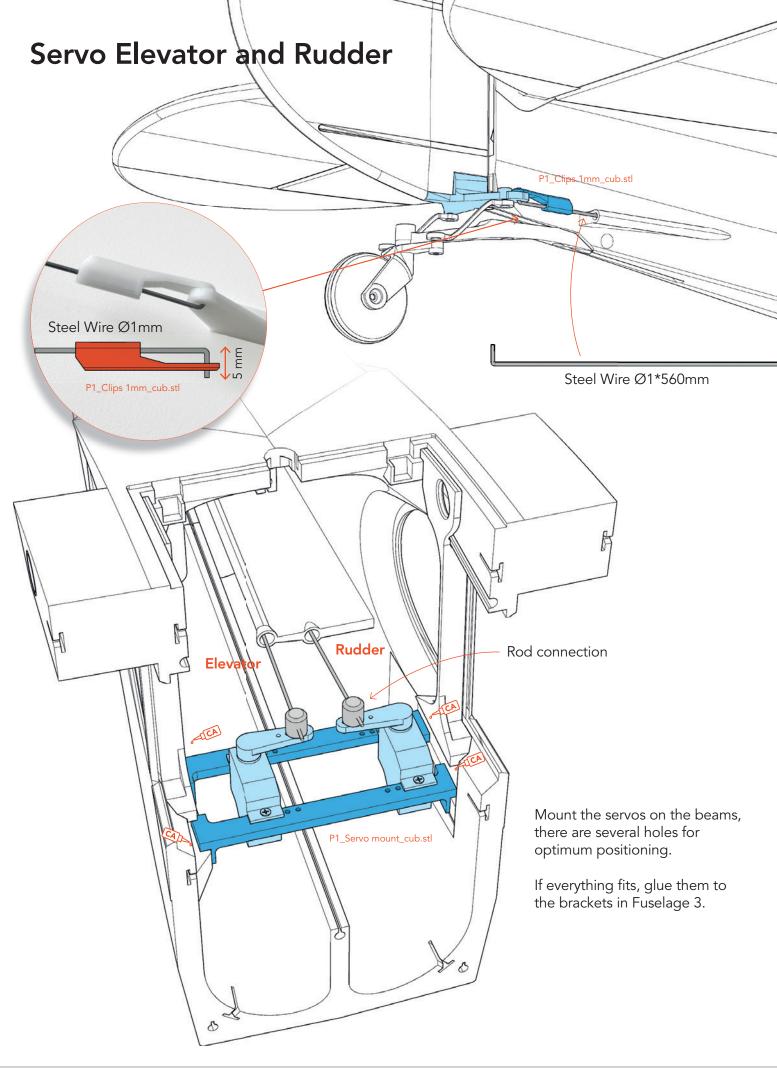


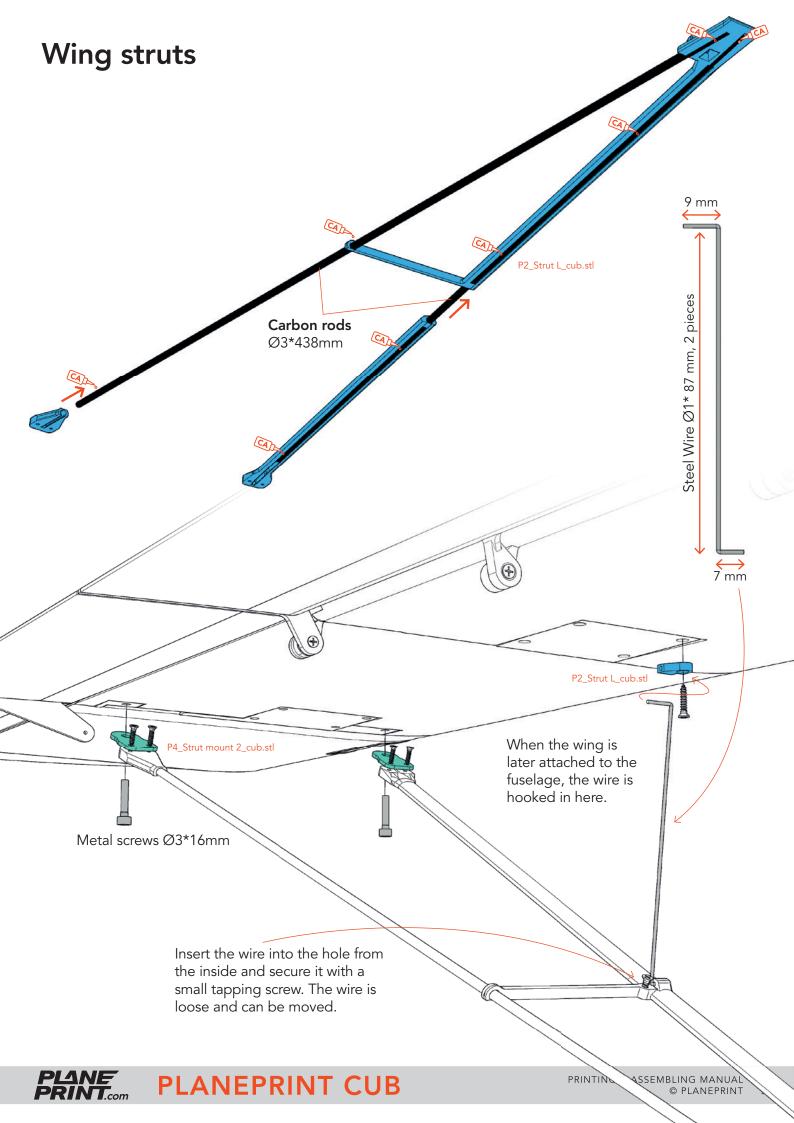


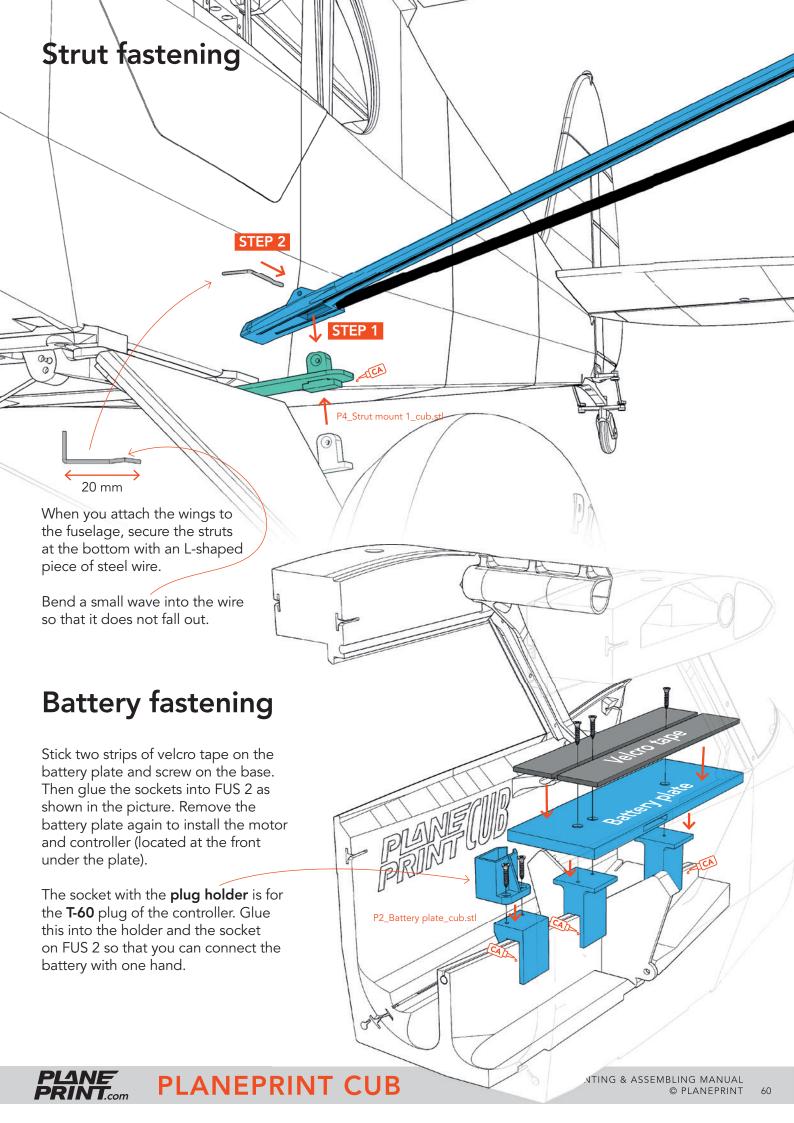
MPX Plugs – Ailerons and Flaps

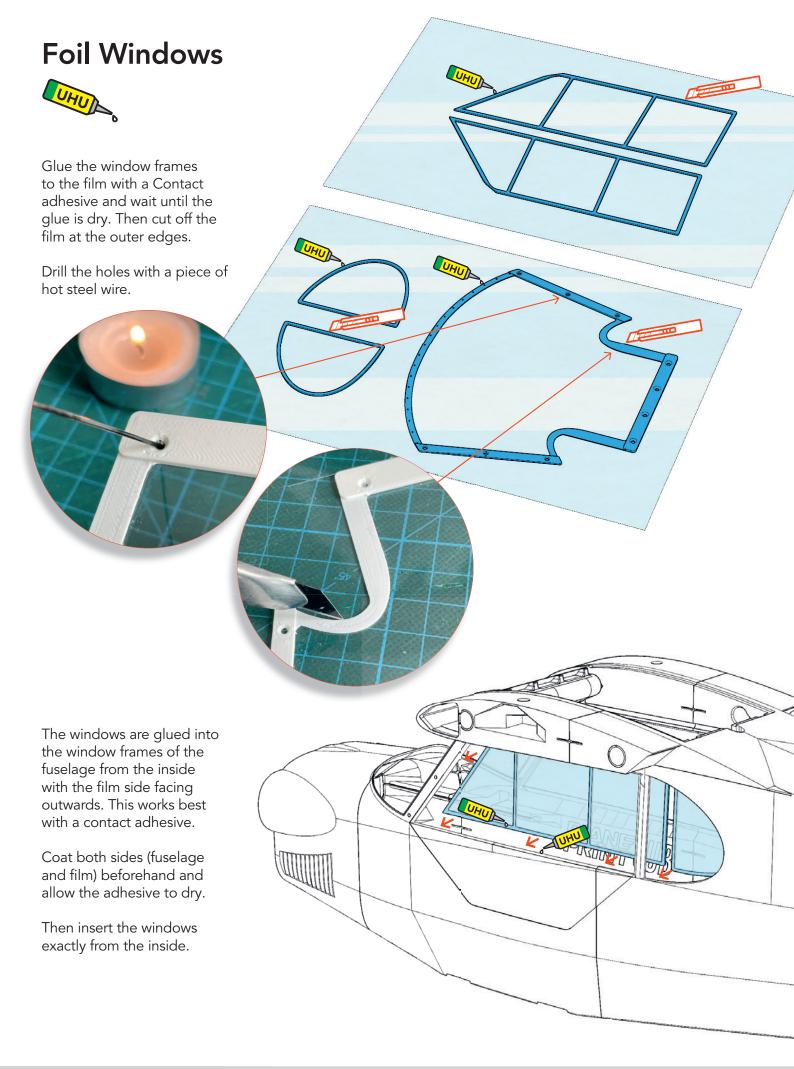


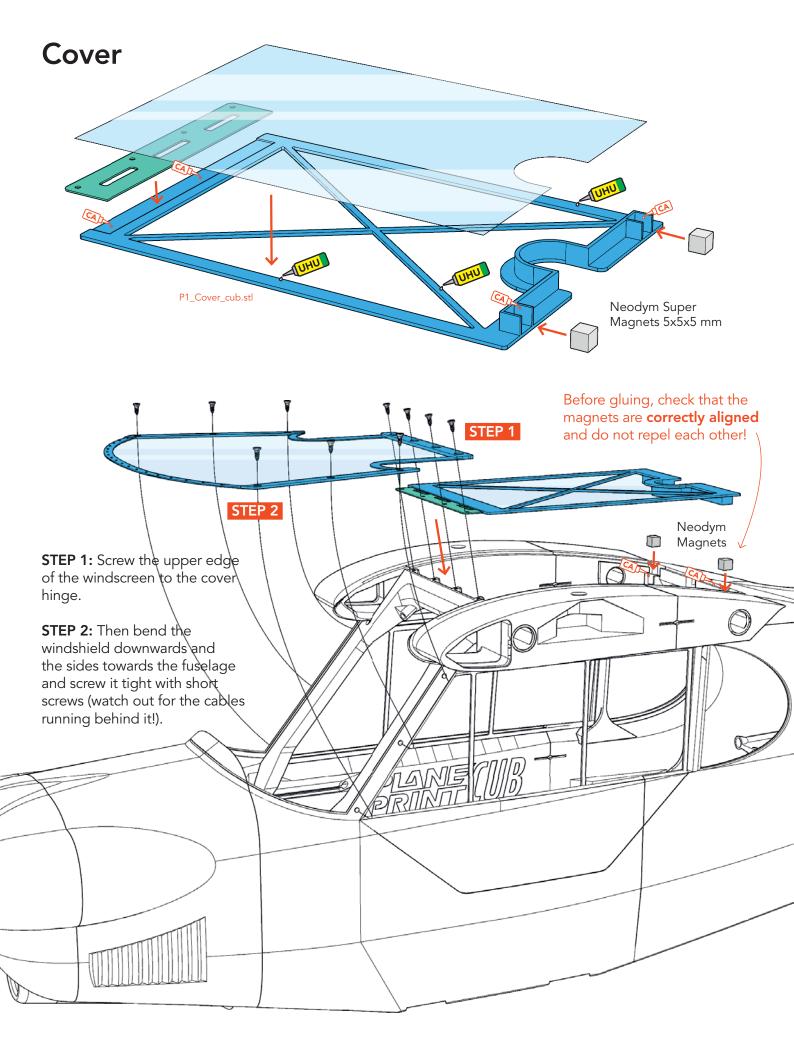


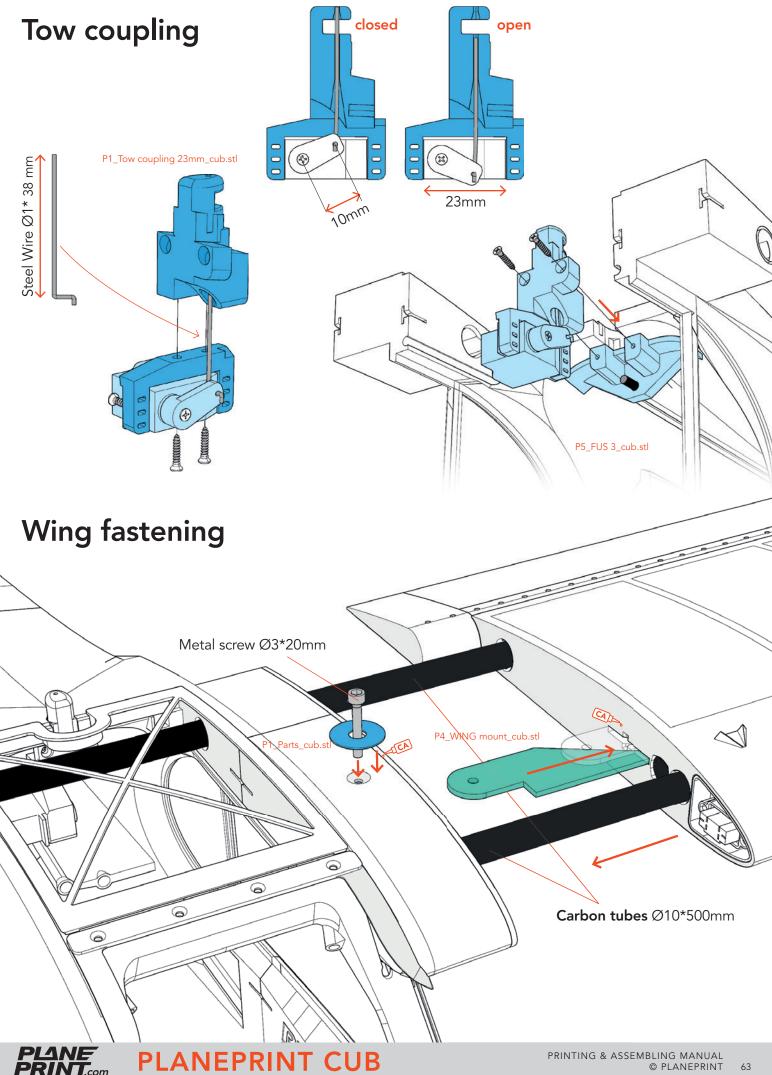








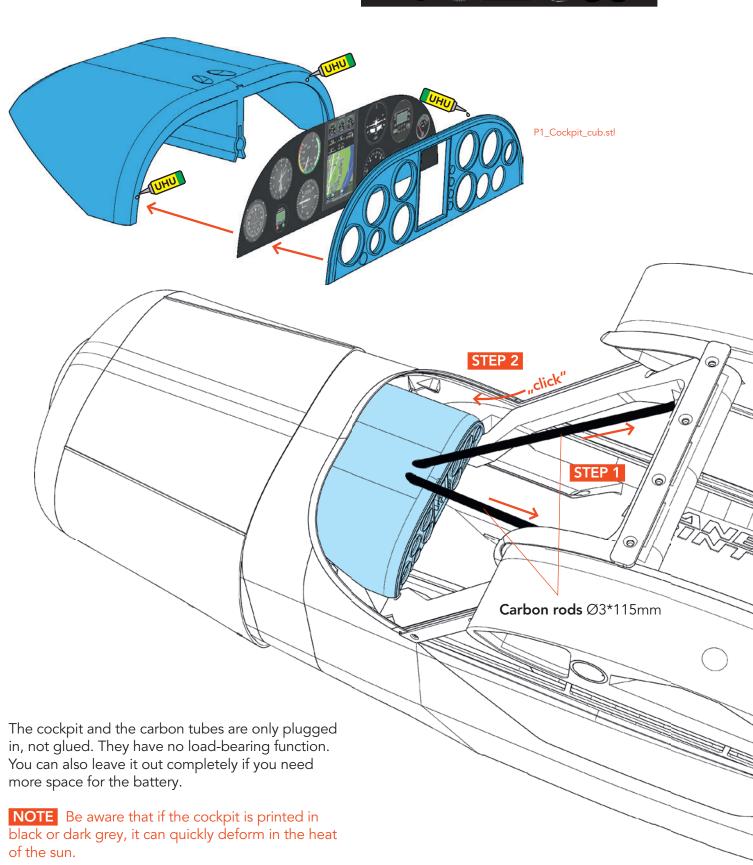


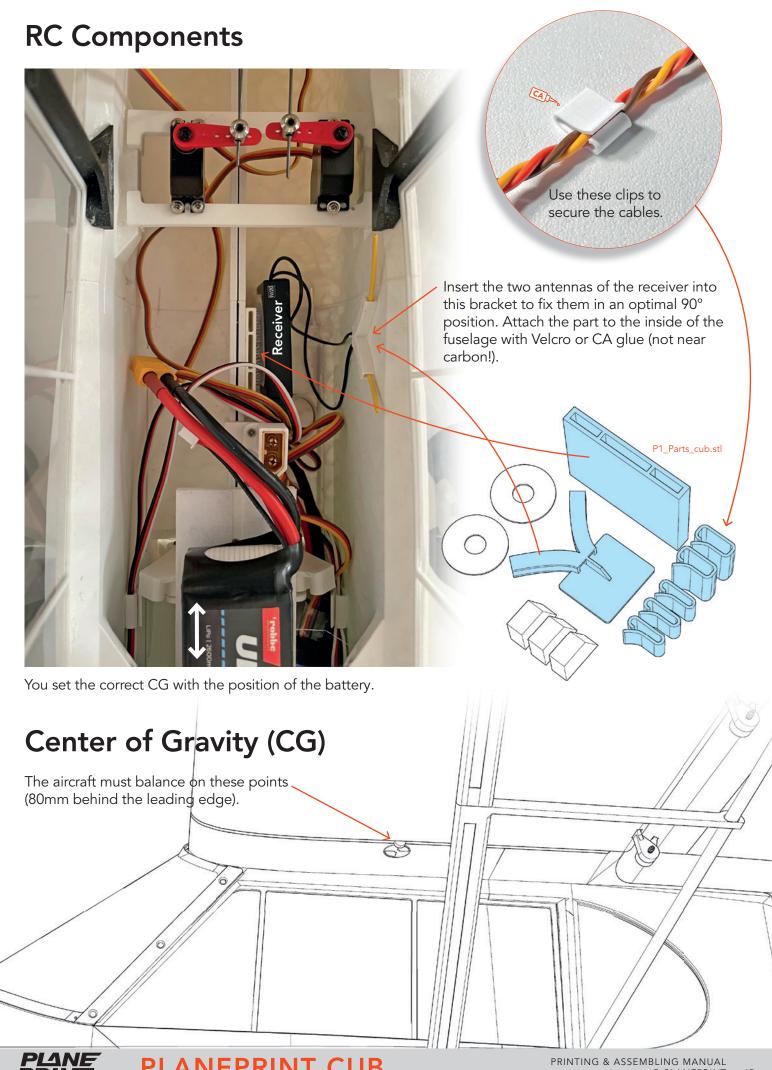


Cockpit

Print this page at 100% size and cut out the image.







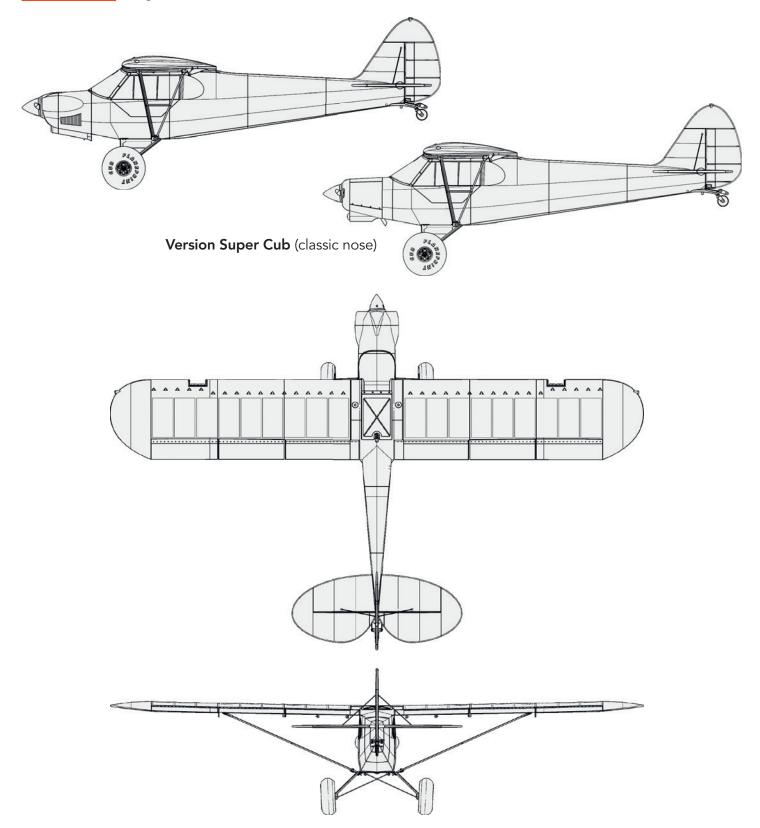
Technical specifications

WINGSPAN 1600 mm/63 inches

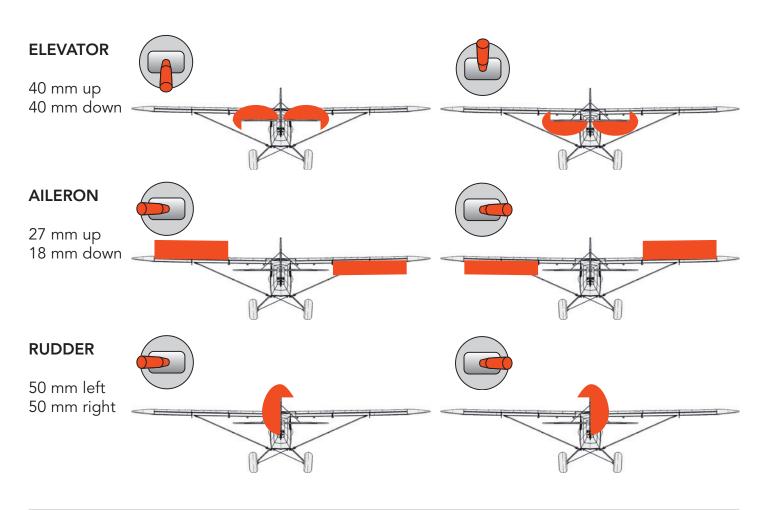
LENGTH 1100 mm/43 inches

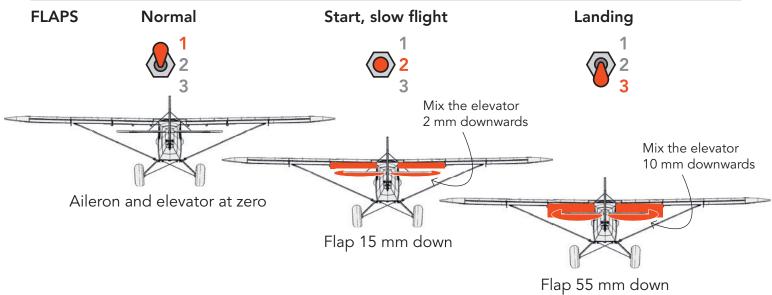
FLIGHT WEIGHT 2400 grams

WING LOAD 56 g/dm²

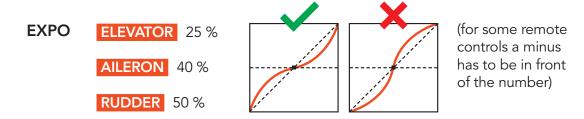


Control Direction Test Look at the aircraft from behind





NOTE The flaps must be aligned exactly the same in every position, otherwise the aircraft will not fly straight!



AGE RECOMMENDATION 14+

NOT FOR CHILDREN UNDER 14 YEARS. THIS IS NOT A TOY!

The STL data (or data processed from it, such as G codes) must never be passed on to third parties!

The purchase of the STL does not authorize the production of models for third parties.

By using the download data, an RC model airplane, called "model" for short, can be manufactured using a 3D printer. As a user of this model, only you are responsible for safe operation that does not endanger you or others, or that does not damage the model or property of others.

PLANEPRINT.com assumes no responsibility for damage to persons and property caused by pressure, transport or use of the product. Filaments, printing supplies, hardware or consumables that can not be used after faulty 3D printing will not be replaced by PLANEPRINT.com in any way.

When operating, always keep a safe distance from your model in all directions to avoid collisions and injuries.

This model is controlled by a radio signal. Radio signals can be disturbed from outside without being able to influence it. Interference can lead to a temporary loss of control.

Always operate your model on open terrains, far from cars, traffic and people.

Always follow the instructions and warnings for this product and any optional accessories (servos, receivers, motors, propellers, chargers, rechargeable batteries, etc.) carefully. Keep all chemicals, small parts and electrical components out of the reach of children.

Avoid water contact with all components that are not specially designed and protected. Moisture damages the electronics.

Never take an item of the model or accessory in your mouth as this can lead to severe injuries or even death.

Never operate your model with low batteries in the transmitter or model.

Always keep the model in view and under control. Use only fully charged batteries.

Always keep the transmitter switched on when the model is switched on.

Always remove the battery before disassembling the model.

Keep moving parts clean and dry at all times.

Always allow the parts to cool before touching them.

Always remove the battery after use.

Make sure that the Failsafe is properly set before the flight.

Never operate the model with damaged wiring.

Never touch moving parts.

We develop our models to the best of our knowledge and belief. We accept no liability for consequential damage and injuries caused by improper use or incorrectly printed parts. Please be careful when handling motors, batteries and propellers and only move your model with insurance and in approved places!

