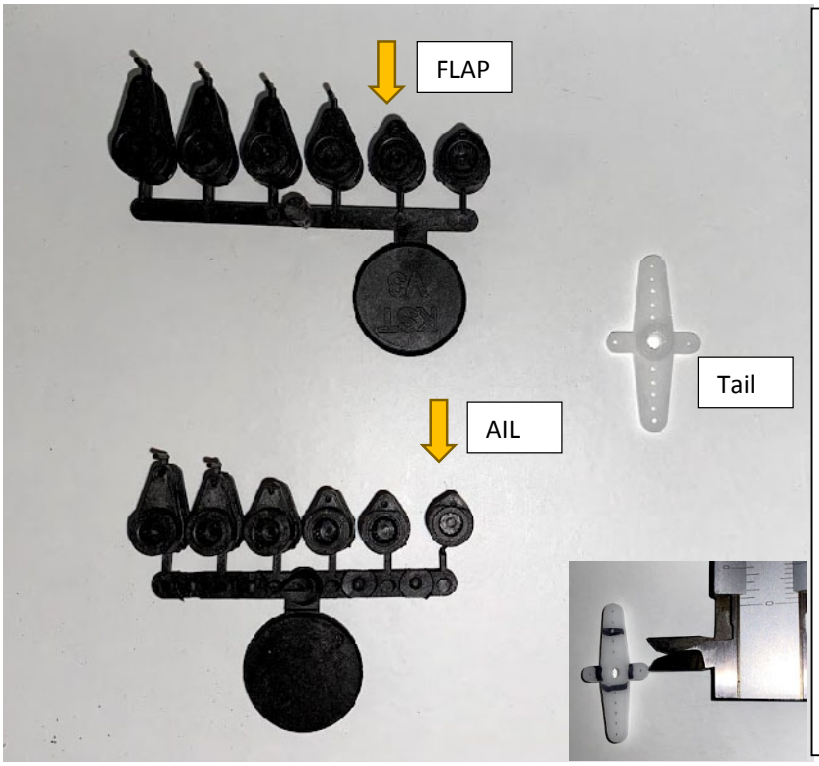
Eternity F5J

Short Manual – V1 09/21

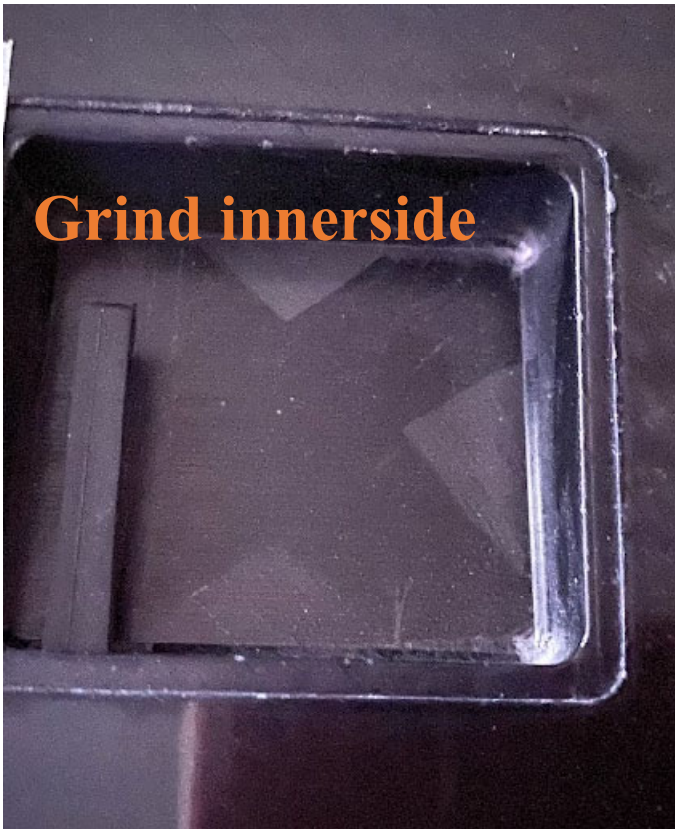


For Ailron, the smallest one for your Servo.

For Flap and X10 the second was good with 130% way down, but it also gone the 3 one with 100% way. But if you take smaller Servos as X10mini, choose the smaller one.

Tail Servos need the second hole at 6-8mm.

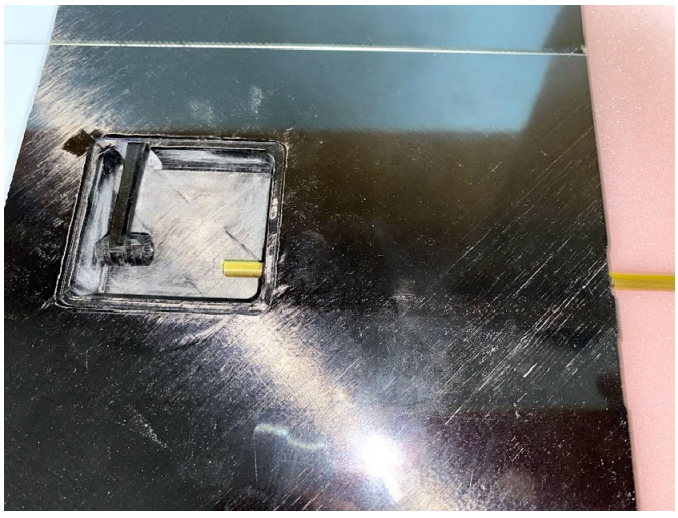
Make sure that you make all lever in 90 degree angle on your servos, and prepare the servoframes that it will be fit in the servo bays. The movement way from the linkage are 5mm for Ailron and 8mm for Flap for the full way.



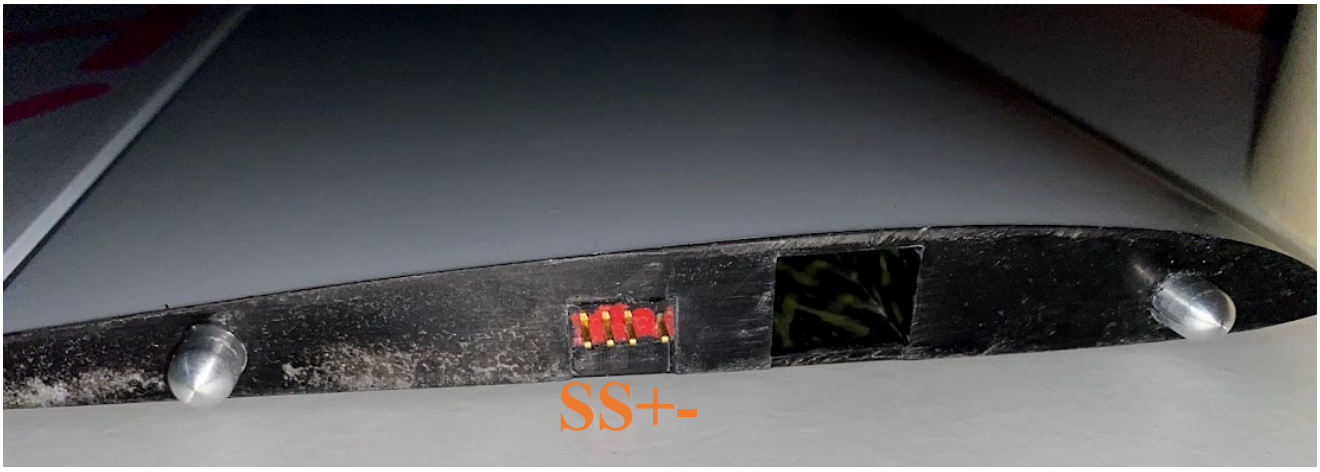
Grind the inner side from the servo bays.The servo connection from the middle wing are ready glued in the mould, you have only glue in the inner part from the fuselage and from the tip wings.

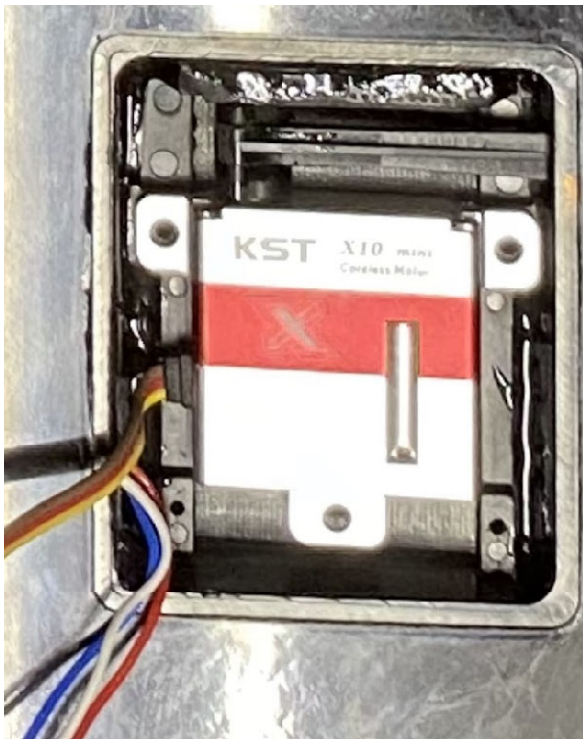
It will be need to drill a hole in the connection holder from the tip wing and extend the hole tot he servo bay.

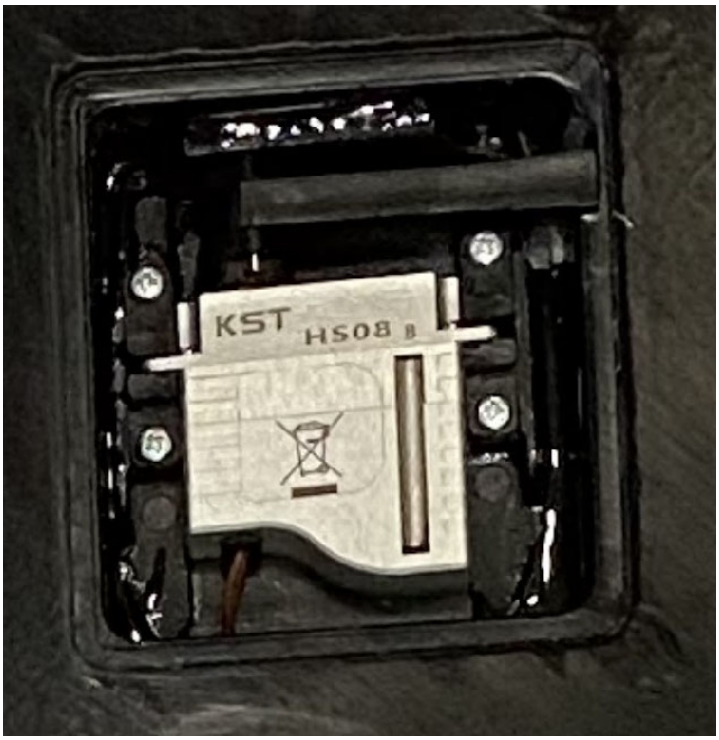
You can take a brass pipe with 3-4mm for example.



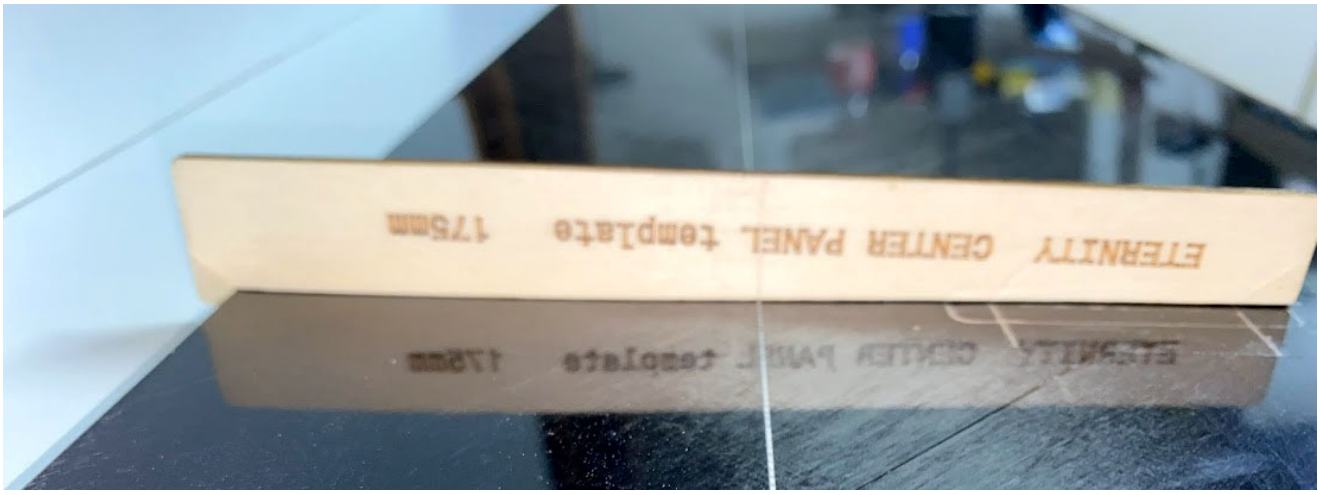
It is necessary to mount the IDS Servo mount before you install the Servobays







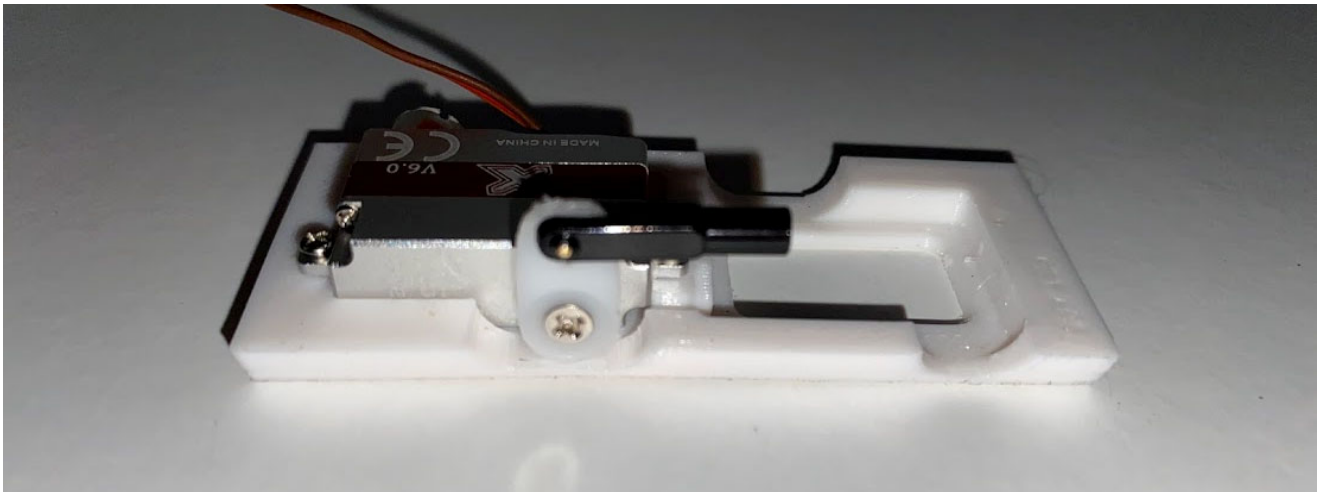
Glue the Servotrays in and make sure that it glued in well all arround. You have for wing Setup pattern teaching for Flap and Ailron. With the X10 and the second servo horn, you have ca 20% offset, with smaller servos more (40-55%)

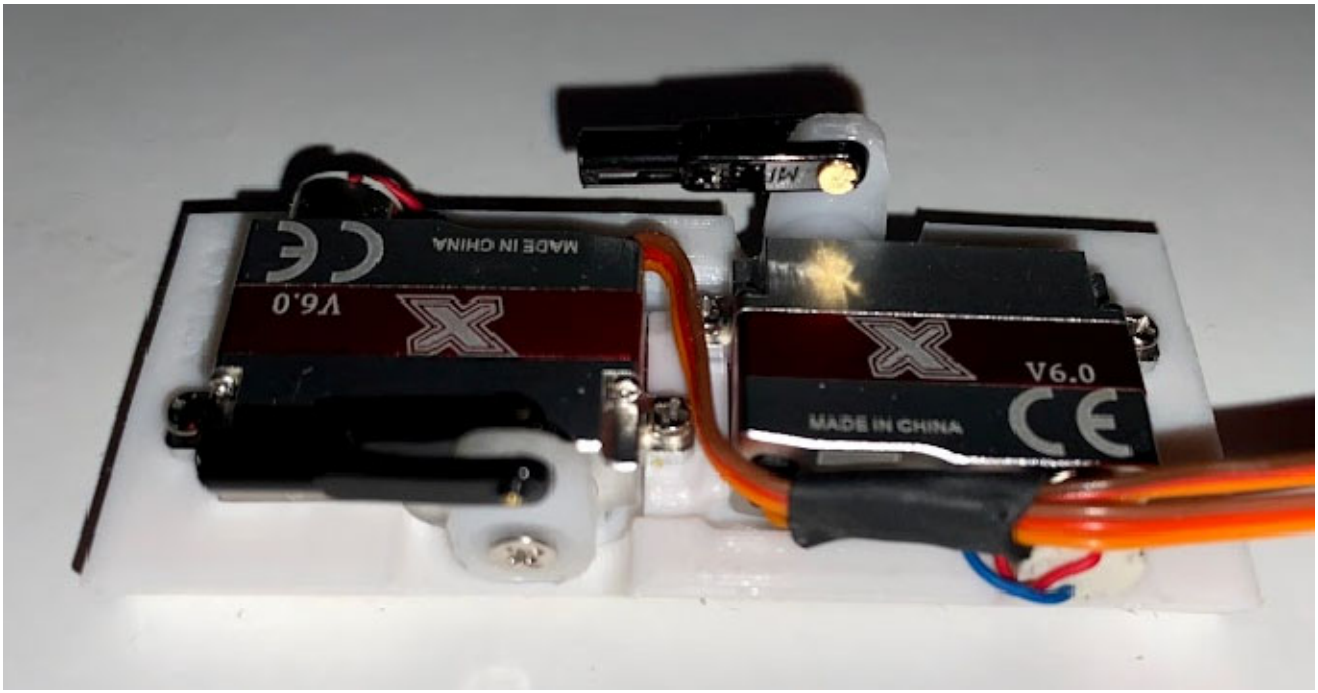


Now you can fix the servo bay covers with tesa or something you prefer.

You can now glue the fuselage servo connection in position and the motormount.

This was need to drill with your prefered powersystem.


V6.0
MADE IN CHINA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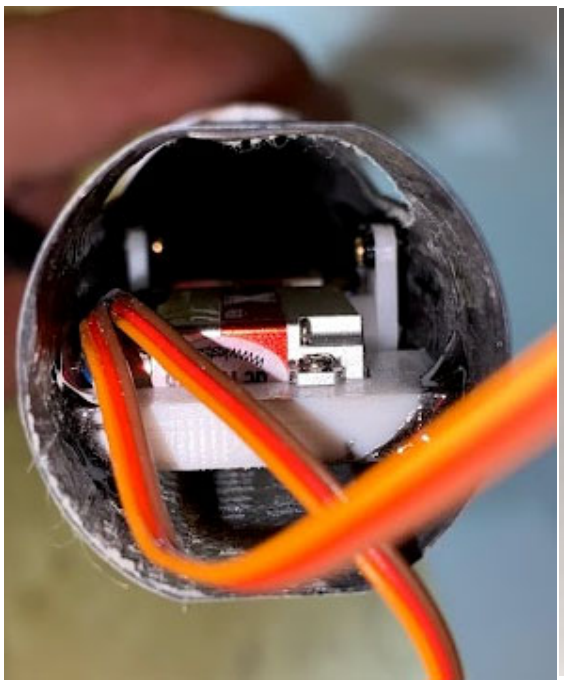

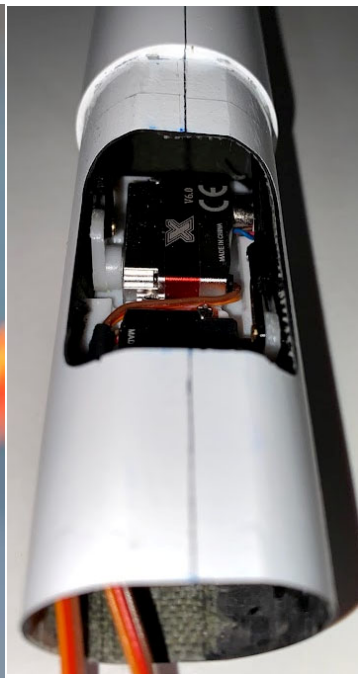

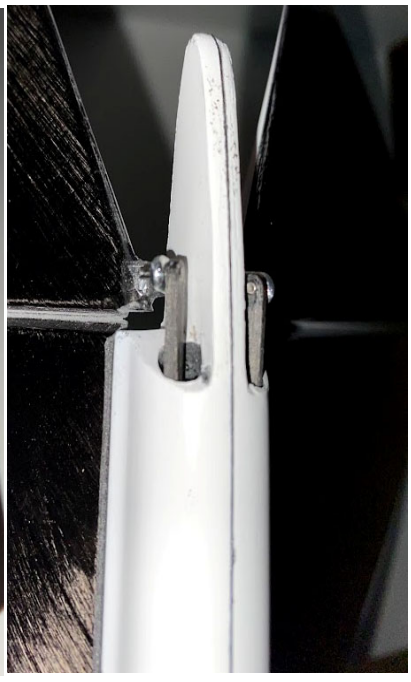

You see on the pictures below the tail servo mount. The linkage must be shorten tot he right lenght and grind. Be carefully that the Vtail pushrods have the right angle to go in the ruder hole.

Eternity V tail

Eternity	Aileron		Flaps	
flight mode	offset	deflection	offset	flap/aileron
normal	0	-10/+18	0	-4/+8
speed 1	+1	-10/+18	+1	-4/+8
speed 2	+1,5	-10/+18	+1,5	-4/+8
thermal 1	-1	-10/+18	-1	-4/+8
thermal 2	-3	-10/+18	-4	-4/+8
Advance MIX	**Snap Flap 60%exp**		**Ruder to Flap/Aileron ***	
flight mode	aileron	flap	flap inside in circle	aileron inside in circle
normal	-6/0	-8/0	-1/0	alignet to flaps
speed 1	-6/0	-8/0	-1/0	alignet to flaps
speed 2	-6/0	-8/0	-1/0	alignet to flaps
thermal 1	-6/0	-8/0	-1/0	alignet to flaps
thermal 2	-6/0	-8/0	-1/0	alignet to flaps

Infinity EVO V	Elevator		Rudder	
flight mode	offset	deflection	deflection	ail to rud
normal	0	-11/+8	-10/+12	-6/+6
speed 1	**	-11/+8	-10/+12	-6/+6
speed 2	**	-11/+8	-10/+12	-6/+6
thermal 1	**	-11/+8	-10/+12	-6/+6
thermal 2	**	-11/+8	-10/+12	-6/+6

Buterfly aileron +9

All measurement are mm up or down from "O" (reference dimples on Fuselarge)
*eg: rudder to left=flap + aileron left down and flap right no move
** trimed to be comfortable for flight
CG: V tail 98 - 102 mm from leading edge wing