Pulsar 3600

F5J Electric Sailplane 3,6 m span.

Specifications:

Wing span	3620 mm
Length	1540 mm
Wing Area	80,5 sq. dm
Airfoil	AG 25 mod.
Weight (less R/C gear)	920 g
Flying Weight (Hacker Motor)	1,550 g
Control Surfaces:	Ailerons, Rudder, Elevator, Flap, Motor.

The three piece wing which is extremely light but very strong, is built with a Kevlar/carbon wove n cloth D- box le ading edge, with ca rbon cappe d r ibs and a car bon tra iling edge. The ailer ons, f laps and rudder are pre-hinge d with integral shrouds f itted to the f laps m aking crow bra king a ver y effective way to lose height and achieve accurate spot.

Recommended Equipment.

Motor	Kontronik KIRA 480-50 + 5,2:1
	Hacker A20-6XL 10 Pole EVO + 4,4:1
Controller	Phoenix 80
	MasterSpinn 70 Opto
Battery pack	3 LiPo 1800 - 2200 Ah
Propeller	folding 13” x 8” (Kontronik)
	folding 15" x 10" (Hacker)
Spinner	42 mm
Servo	2 x 9 mm for elevator and rudder,
	4 x 13 mm for flap and ailerons.

Recommended Control Travel:

Elevator	+ 8 mm/ - 8 mm
Rudder	+ 30 mm/- 30 mm
Flap	Full down
Ailerons (Take Off and Landing)	+ 5 mm/ - 5 mm
Ailerons (Glide)	+ 3…4 mm/ - 3..4 mm
Centre of Gravity (CG)	90 – 105mm

Recommended Set Up

1. The centre of gravity should be 98 -100 mm from a forward edge.

2. **Very impotent!** Establish flaps and ailerons in zero (0) position. F or this purpose it is necess ary to make a pattern and to check with its help a back side of a wing.

3. **Very impotent!** Start model from a hand. It should glide and thus the elevator should be in zero (0) positi on on the stabilizer . It is reached b y means of linings from thin fibergla ss between a forward or back edge of the stabiliz er and a tail be am (Figure 1) . Only after this proced ure it is possible to do rise on the motor.

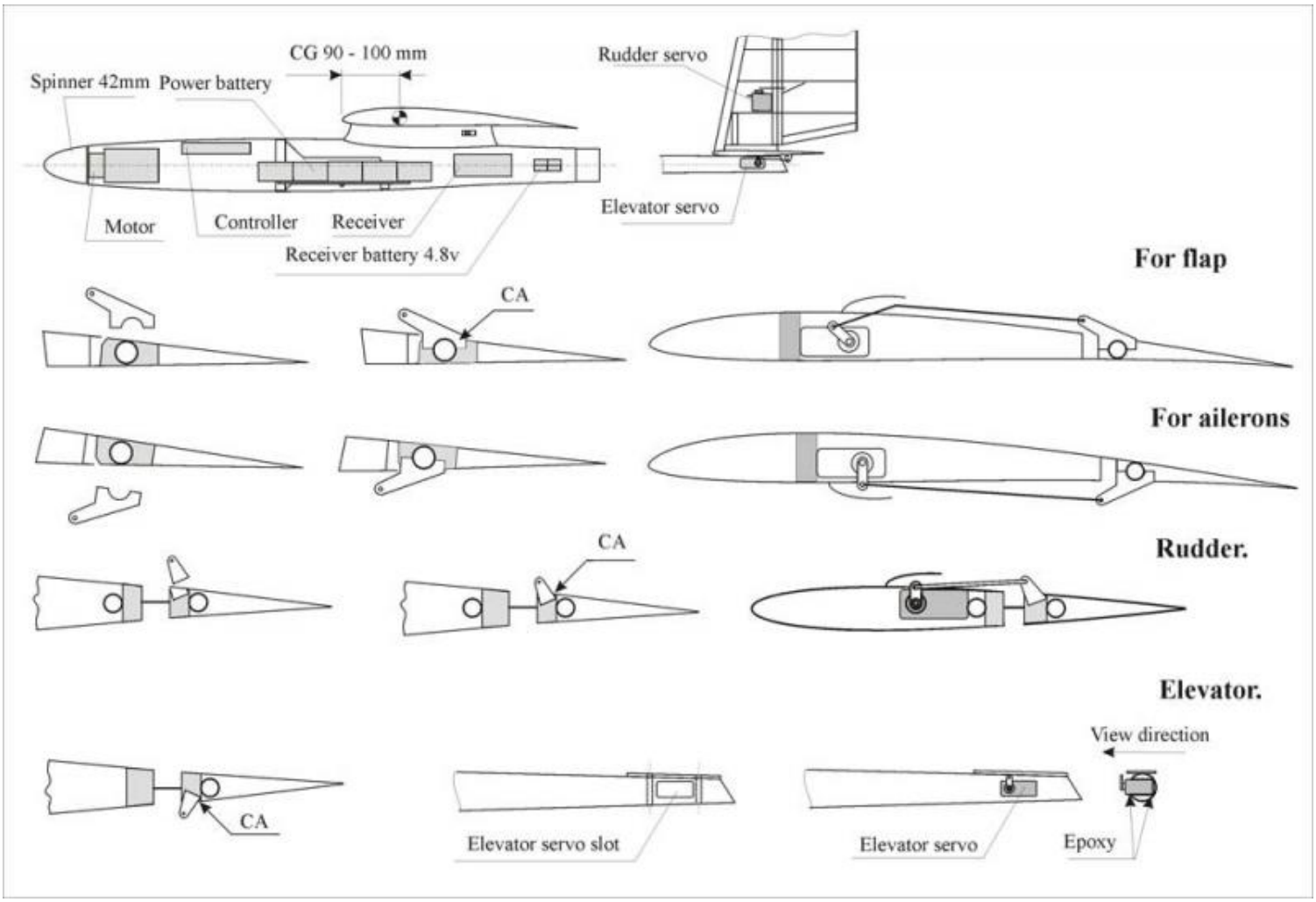
4. Establish differential on ailerons.

5. Establish to an exponent on ailerons and an elevator.

6. Establish following deviations:

Take Off	flaps and ailerons up 2 - 4 mm, elevator down 1 - 2 mm.
Gliding	all zero (0).
Speed flight	flaps and ailerons up 2 - 3 mm
Thermik flight	flaps and ailerons down 2 - 3 mm.

7. A good idea is Dual Rate on Ailerons with max travel +/- 12mm


CG 90 - 100 mm
Spinner 42mm
Power battery
Rudder servo
Motor
Controller
Receiver
Elevator servo
Receiver battery 4.8v
For flap
CA
For ailerons
CA
Rudder.
Elevator.
View direction
CA
Elevator servo slot
Elevator servo
Epoxy

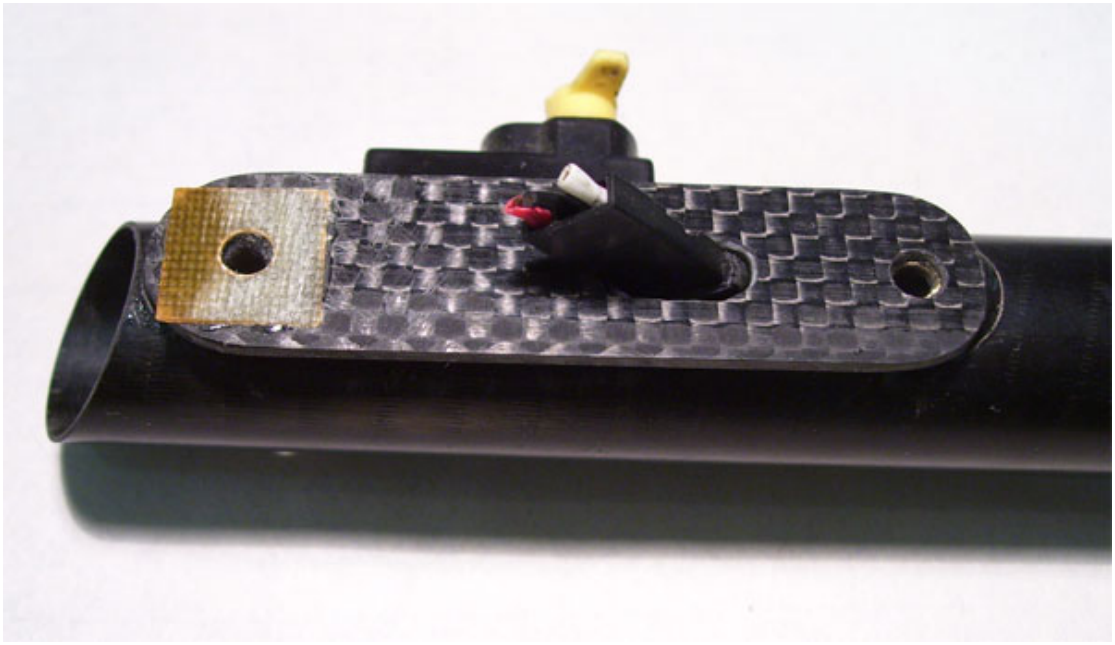
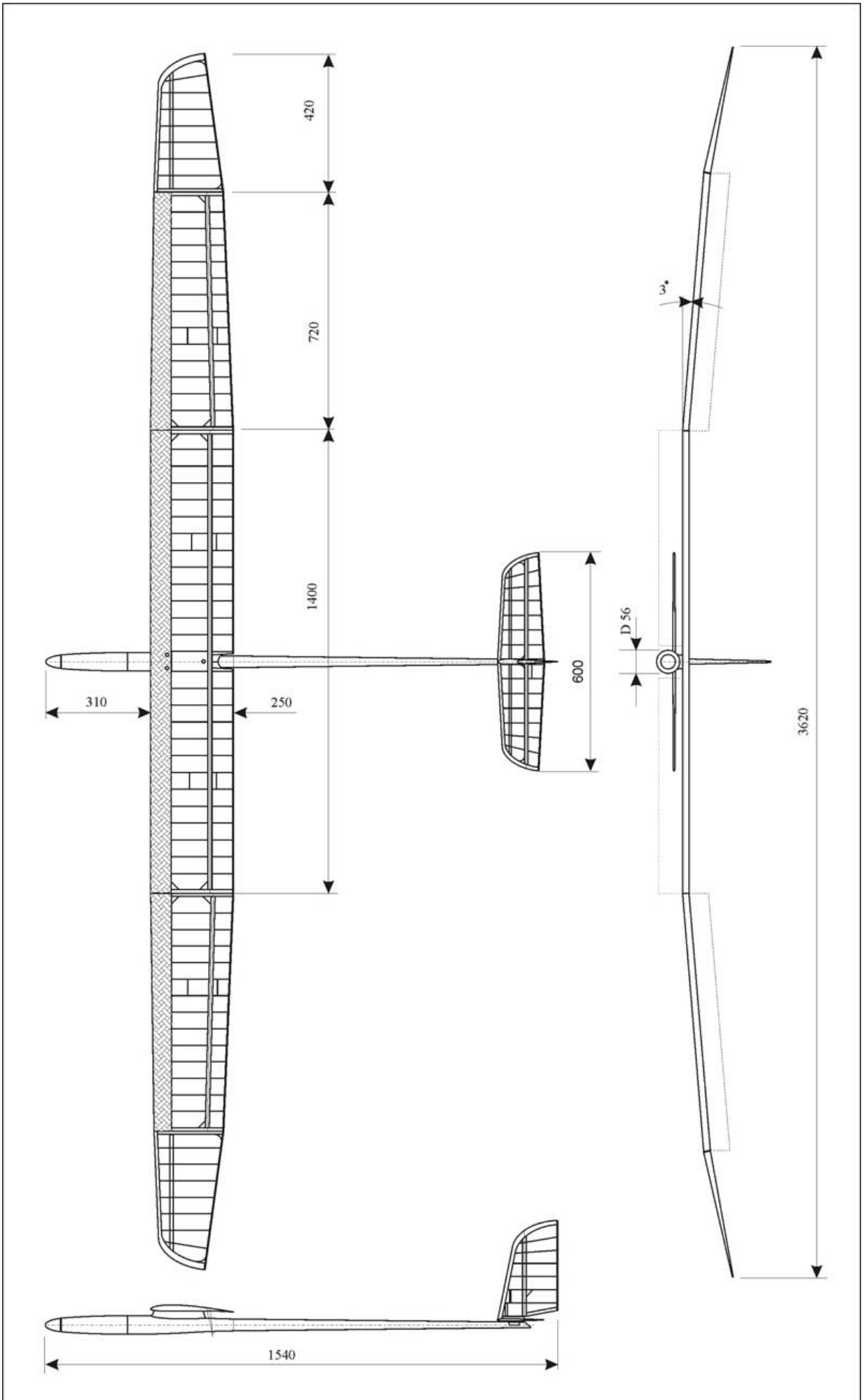
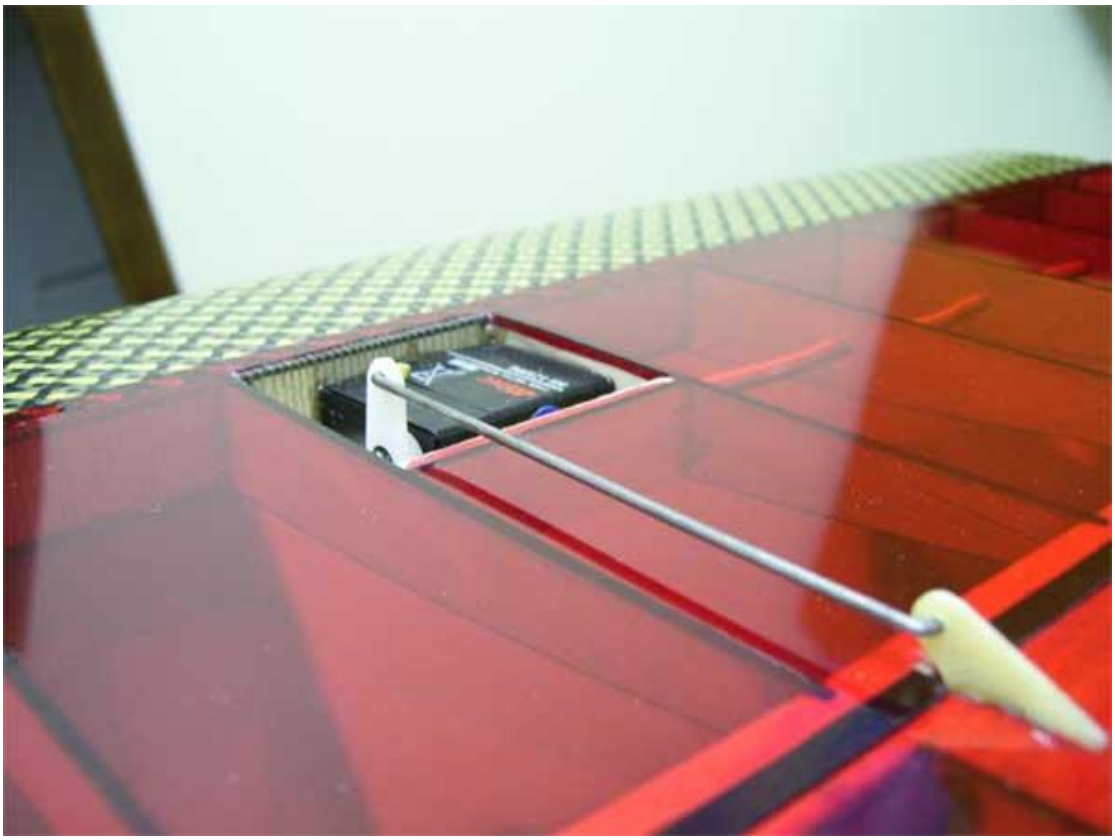
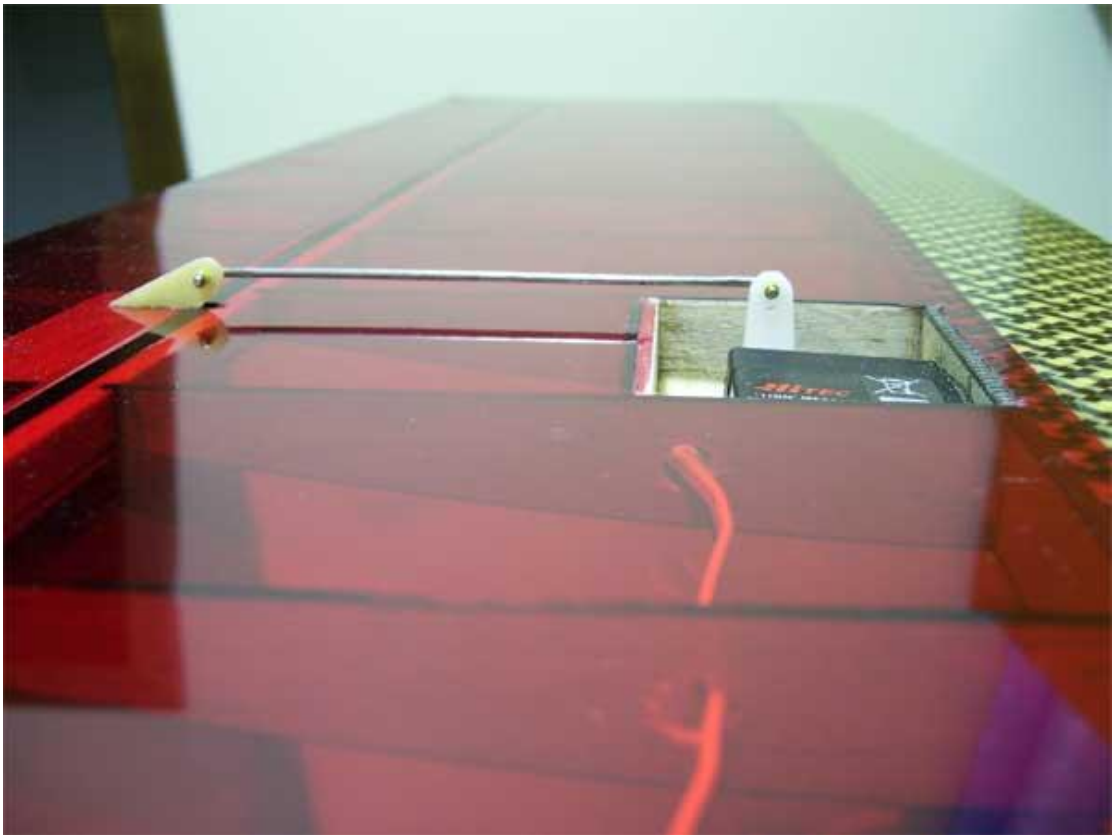
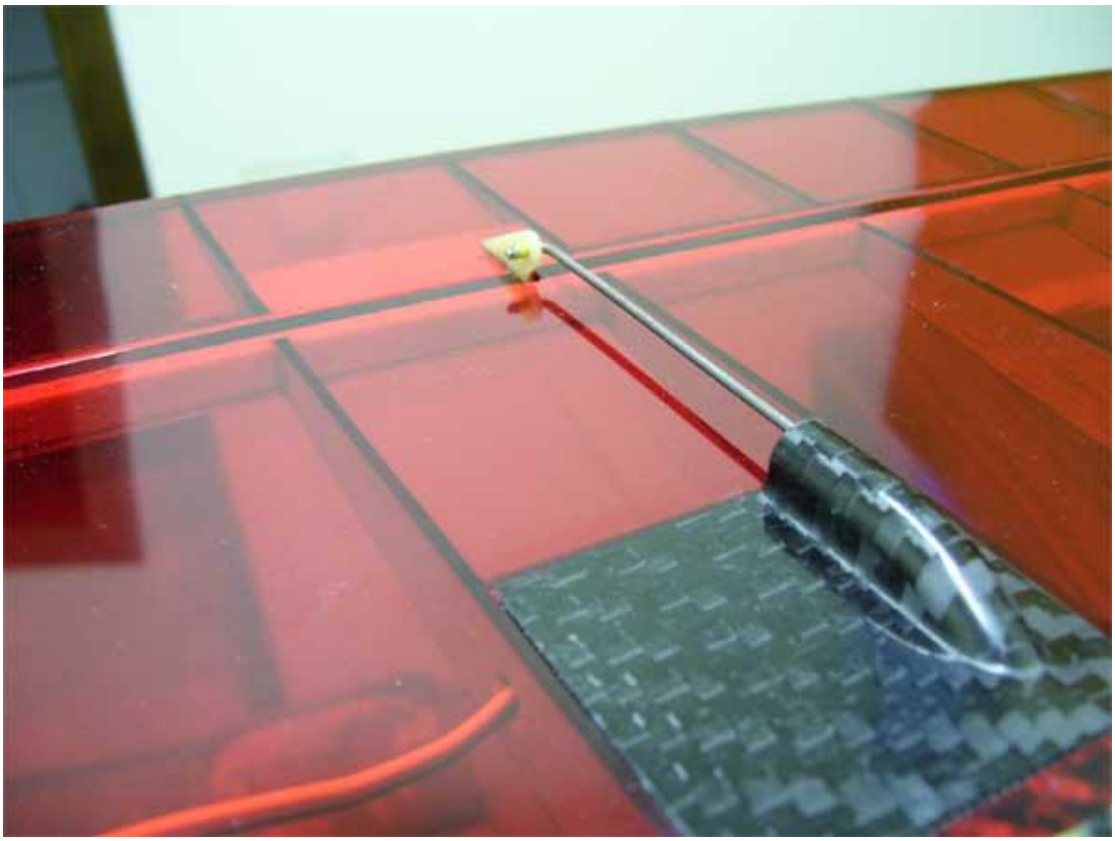


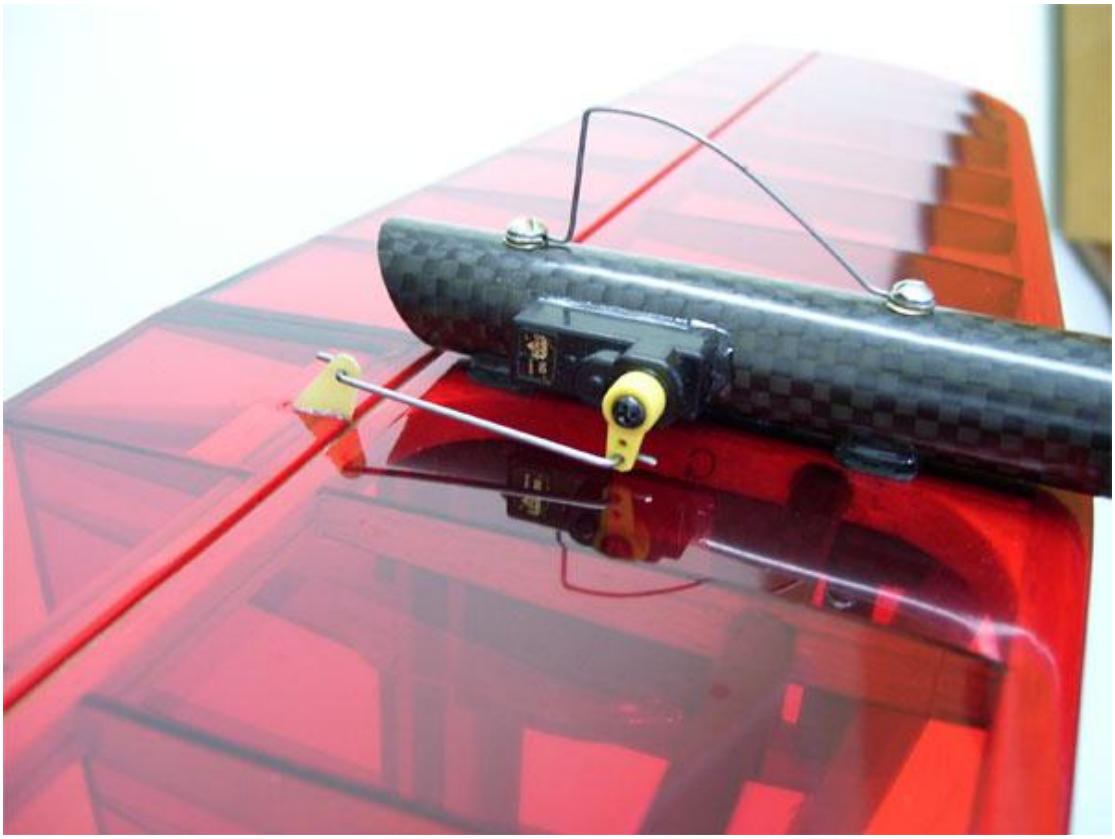
Figure 1


420
720
1400
600
310
250
3°
D 56
3620
1540

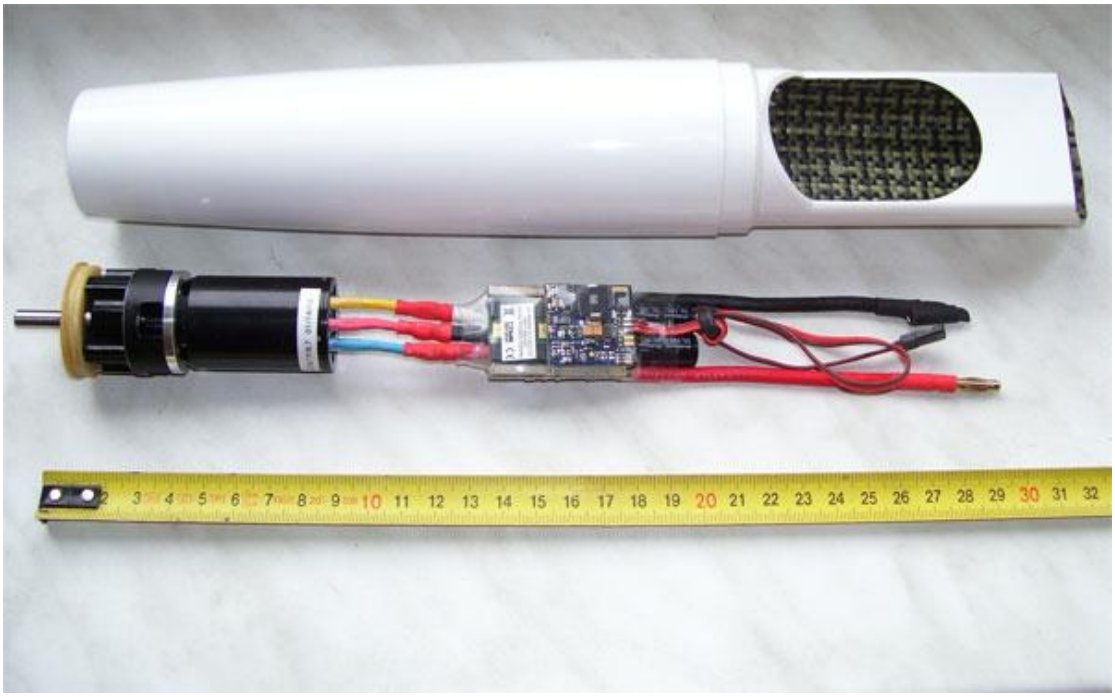









1
2
3
4
5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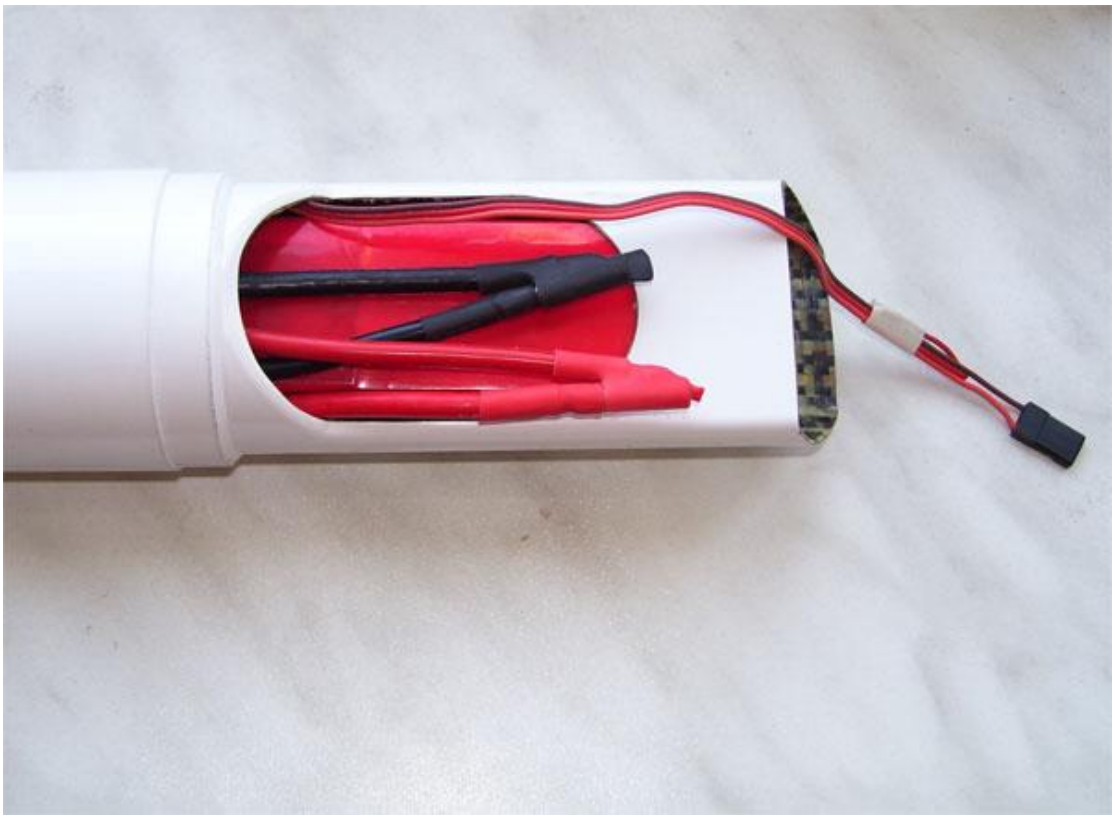


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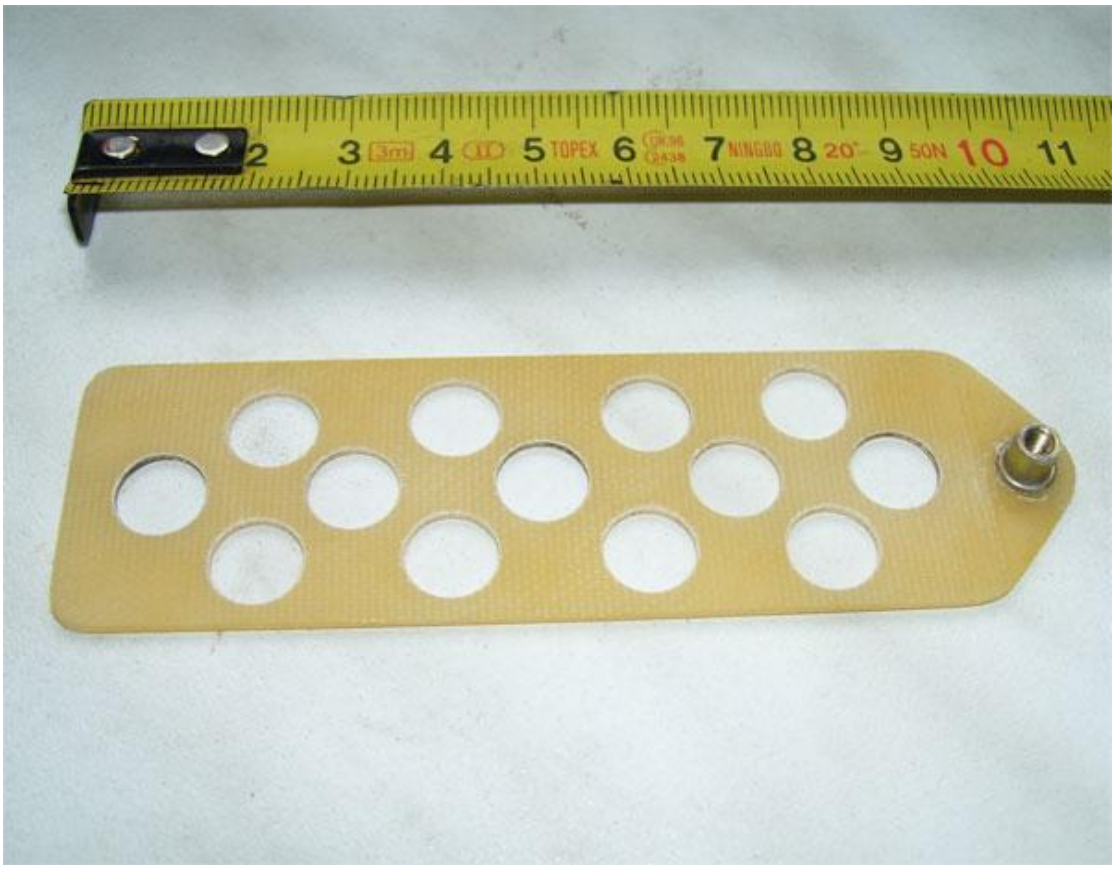
2 3 4 5 TOPEX 6 7 NINGBO 8 9 10 11