

**1/64" ply doublers on both
sides of fuselage (see side view)**

6mm Depro



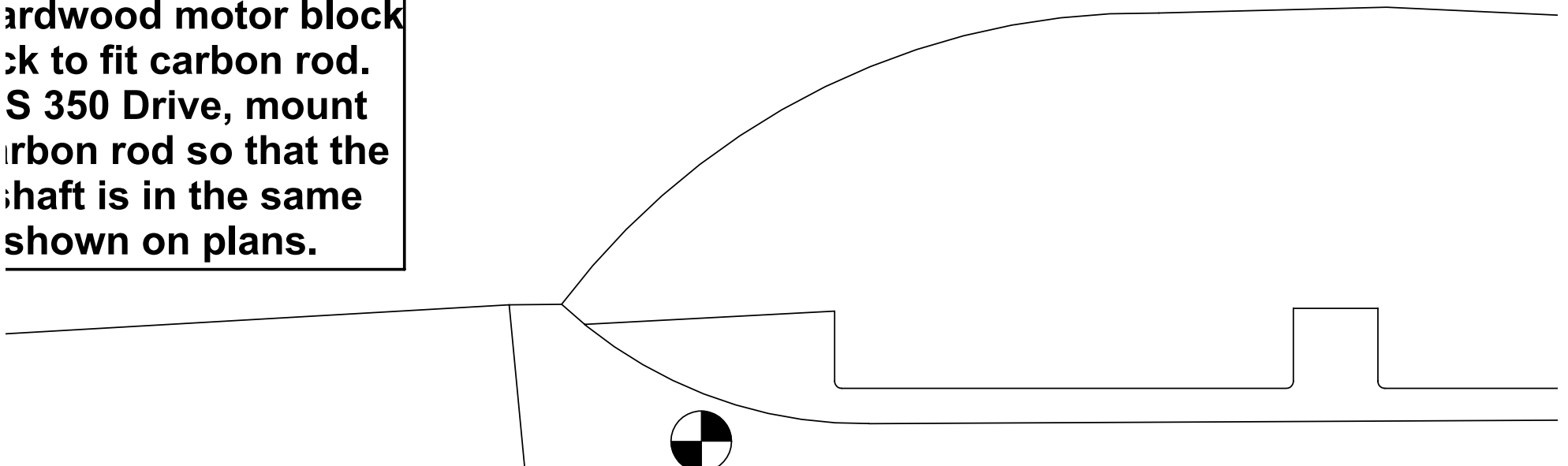
n Fuse

Molded Carbon Gear Legs

3/16" zipties

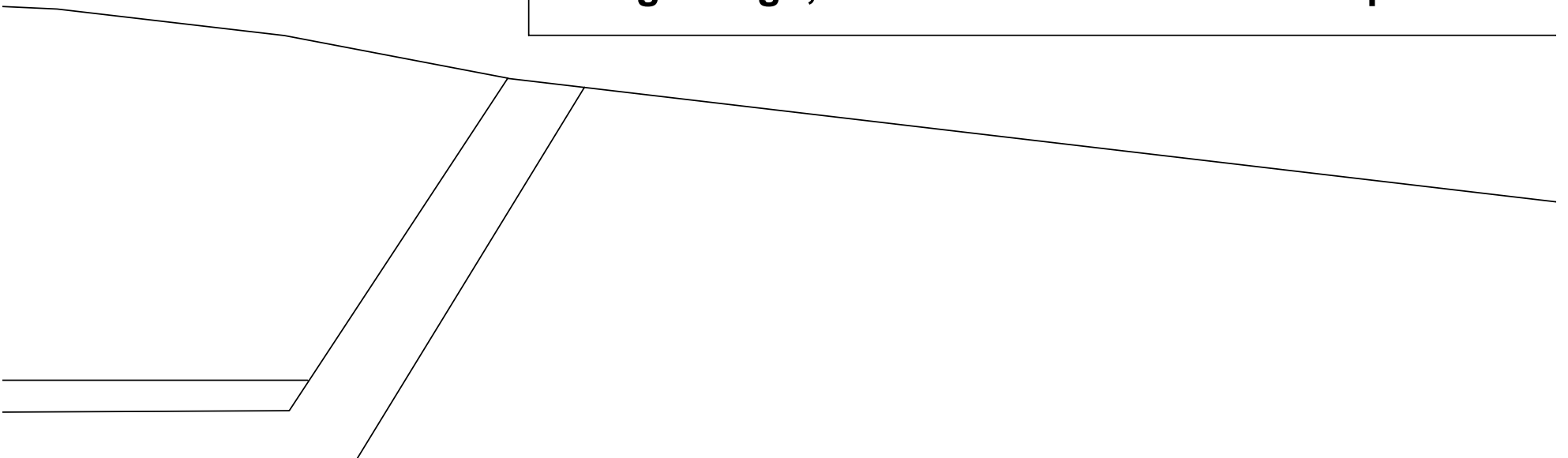
3/8"x3/8" H&B
Groove block
If using GW
block on Ca
prop/drive s
location as :

**Hardwood motor block
cut to fit carbon rod.
S 350 Drive, mount
carbon rod so that the
shaft is in the same
position shown on plans.**



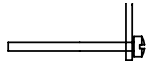
Notes on the fuse:

If you are going for all out light weight, consider leaving out the fuse spar. The side plates are strong enough for anything in flight, but will not be quite as tough for rough landings/crashes. Make sure to use 15-30 minute epoxy shoogoo for the main parts...5 min and foam CA are not strong enough, and will crack under the torque.

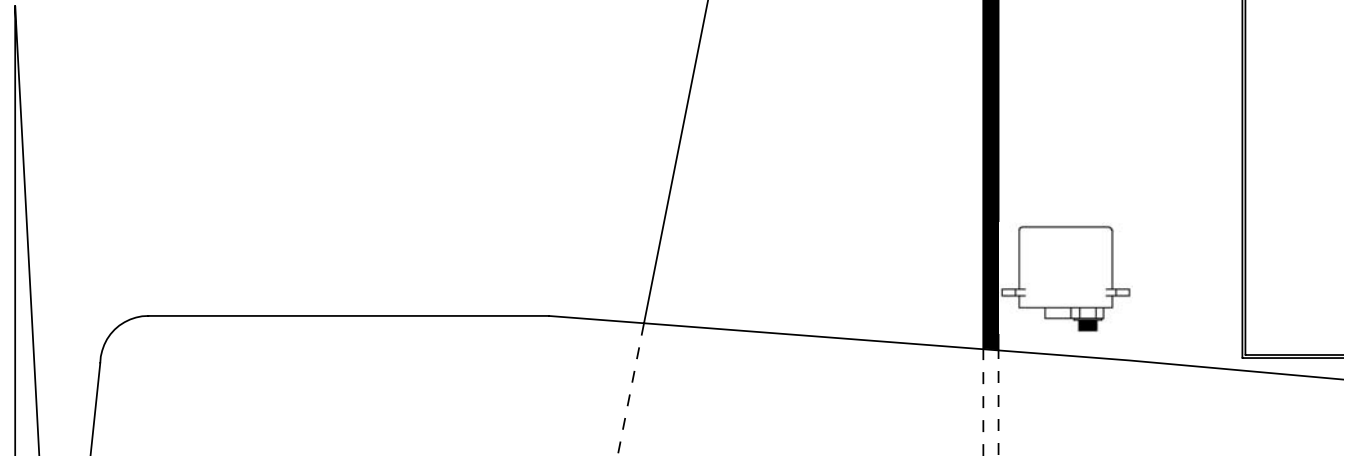
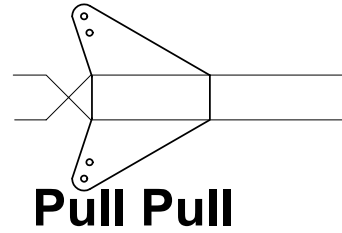
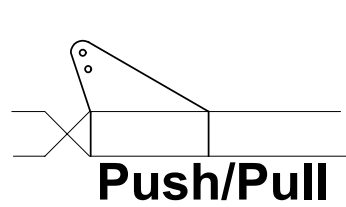


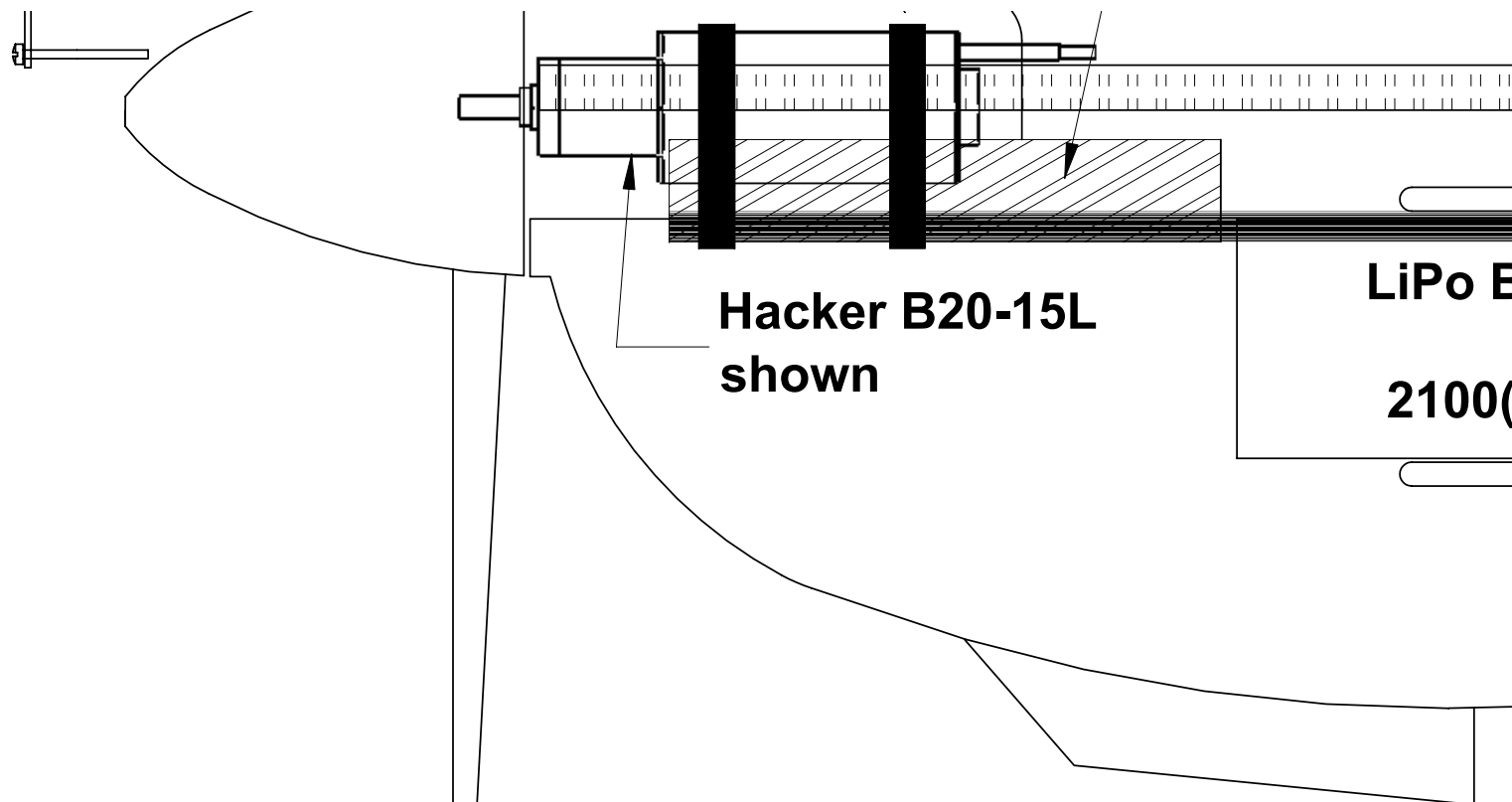


ng
for
ugh
xy or
iot



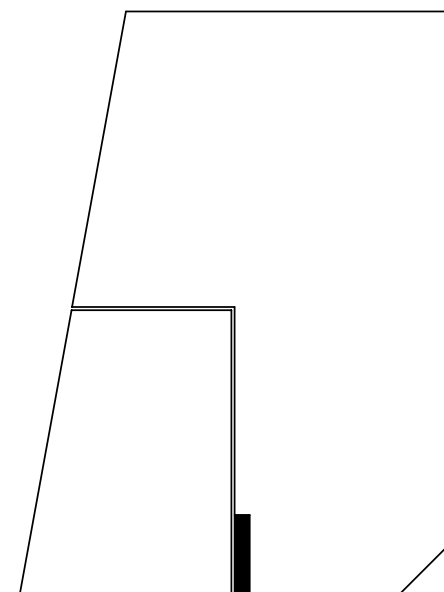
**Cut Control horns from 1/32"
ply or a plastic coffee can lid.**

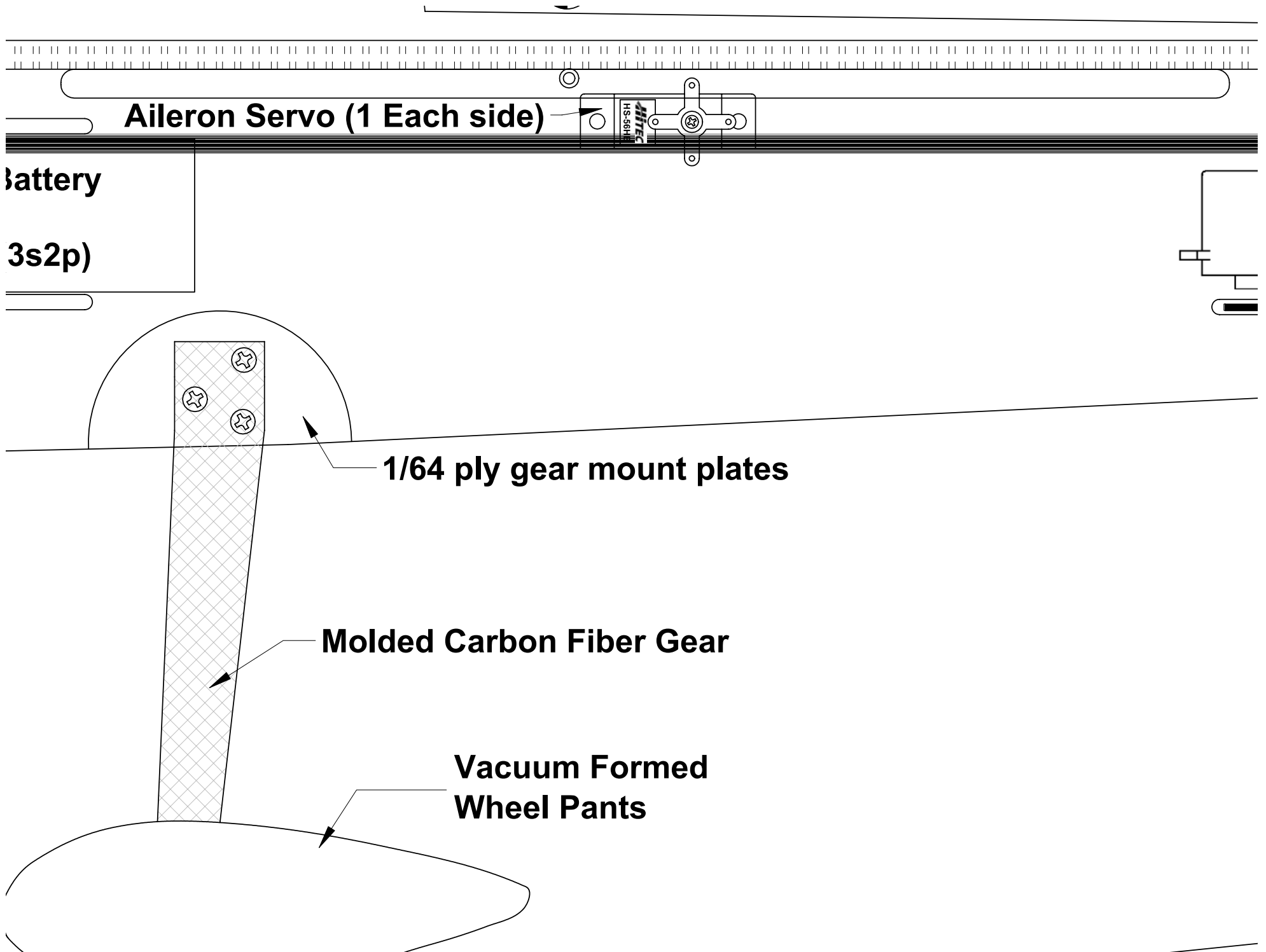


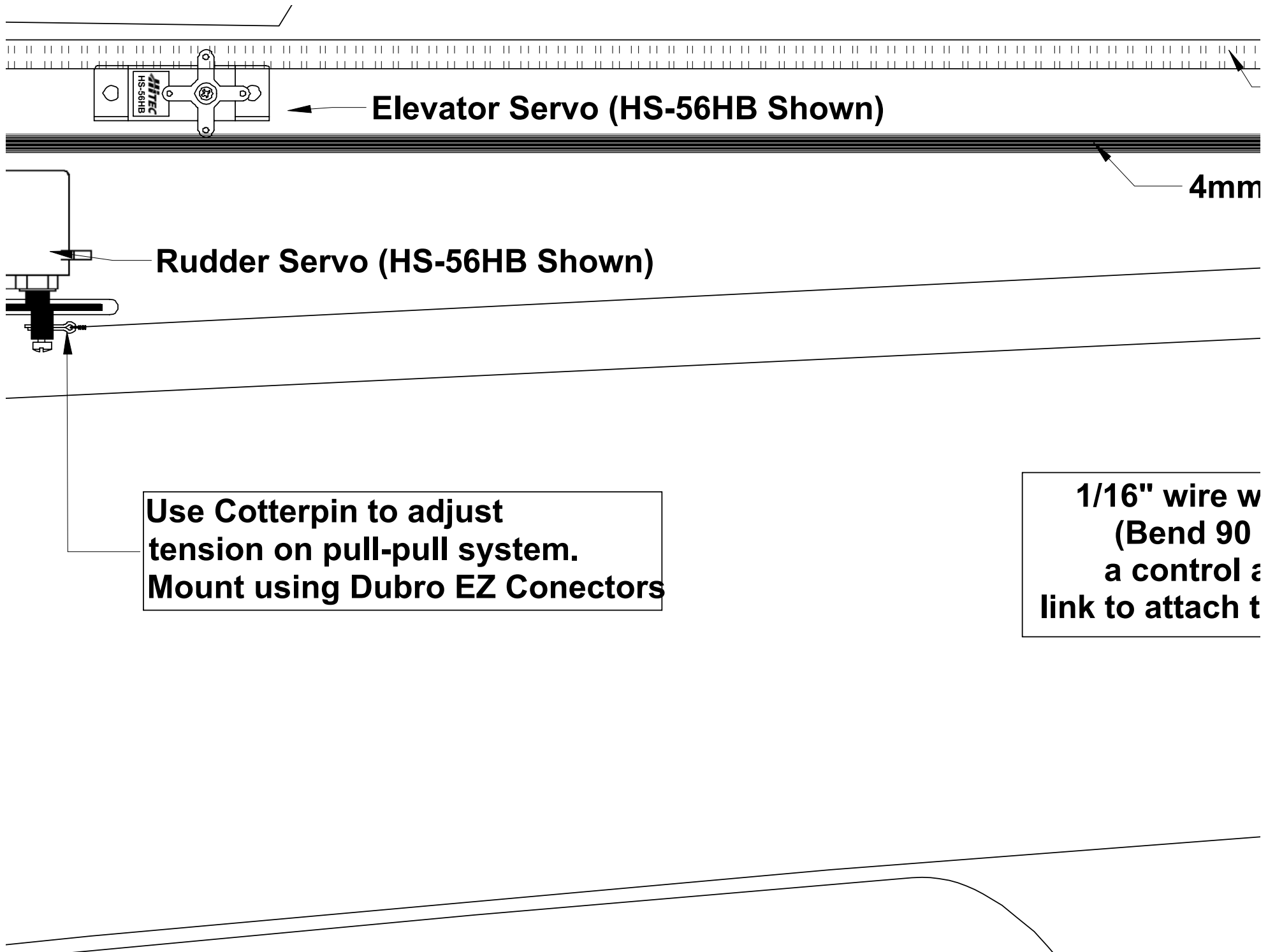


**Hacker B20-15L
shown**

**LiPo E
2100(**







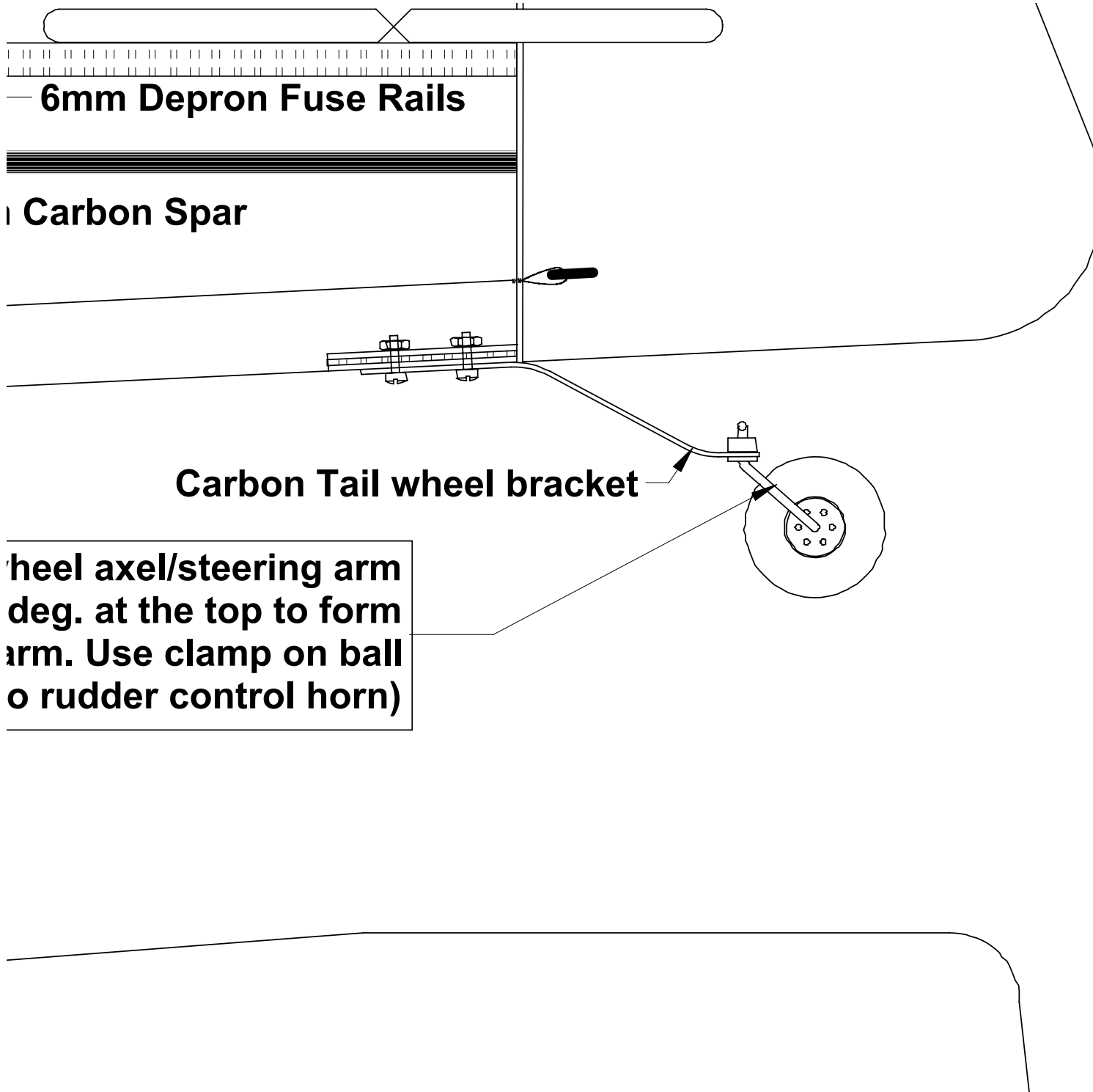
Elevator Servo (HS-56HB Shown)

4mm

Rudder Servo (HS-56HB Shown)

**Use Cotterpin to adjust
tension on pull-pull system.
Mount using Dubro EZ Conectors**

**1/16" wire w
(Bend 90
a control a
link to attach t**

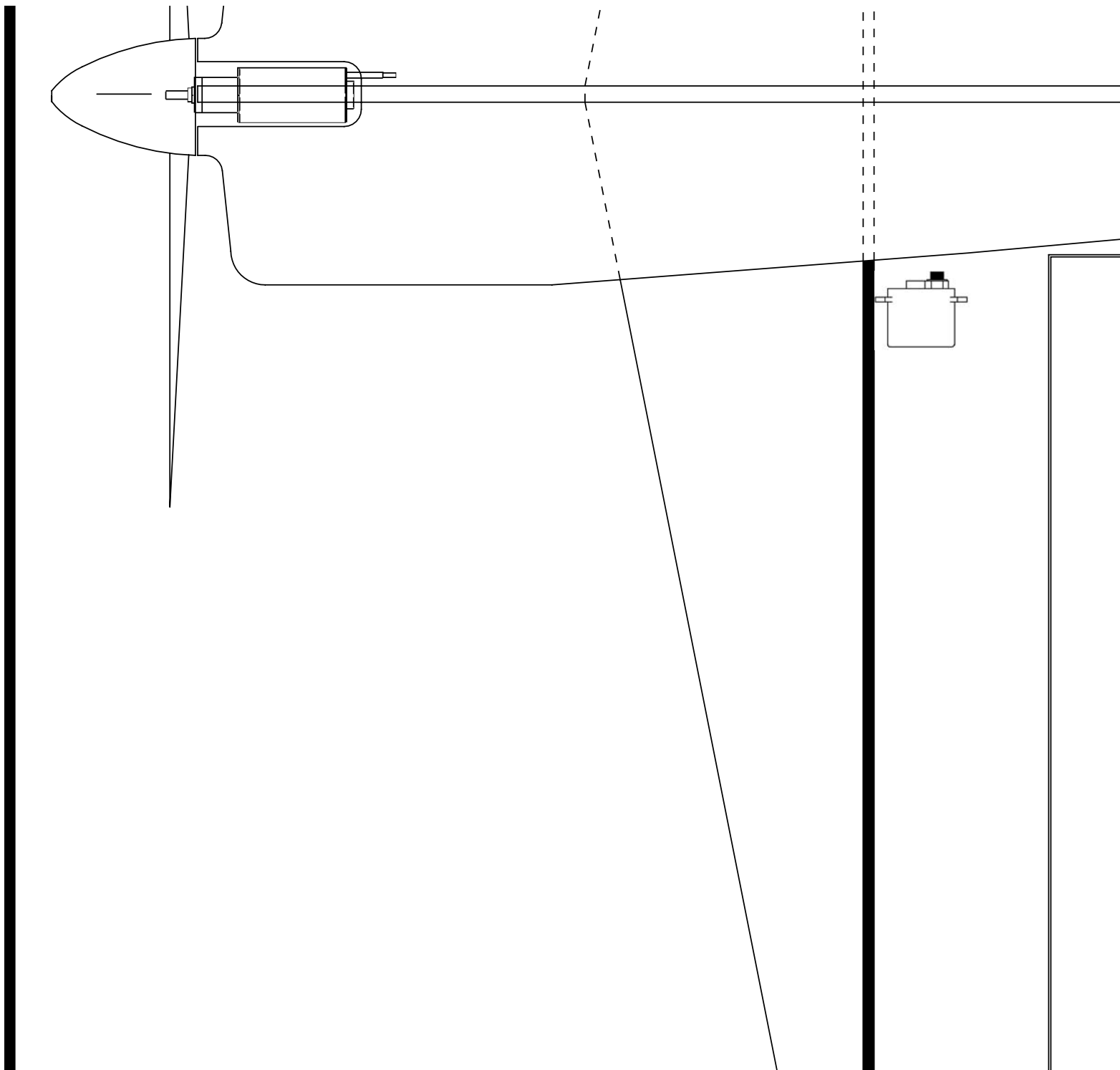


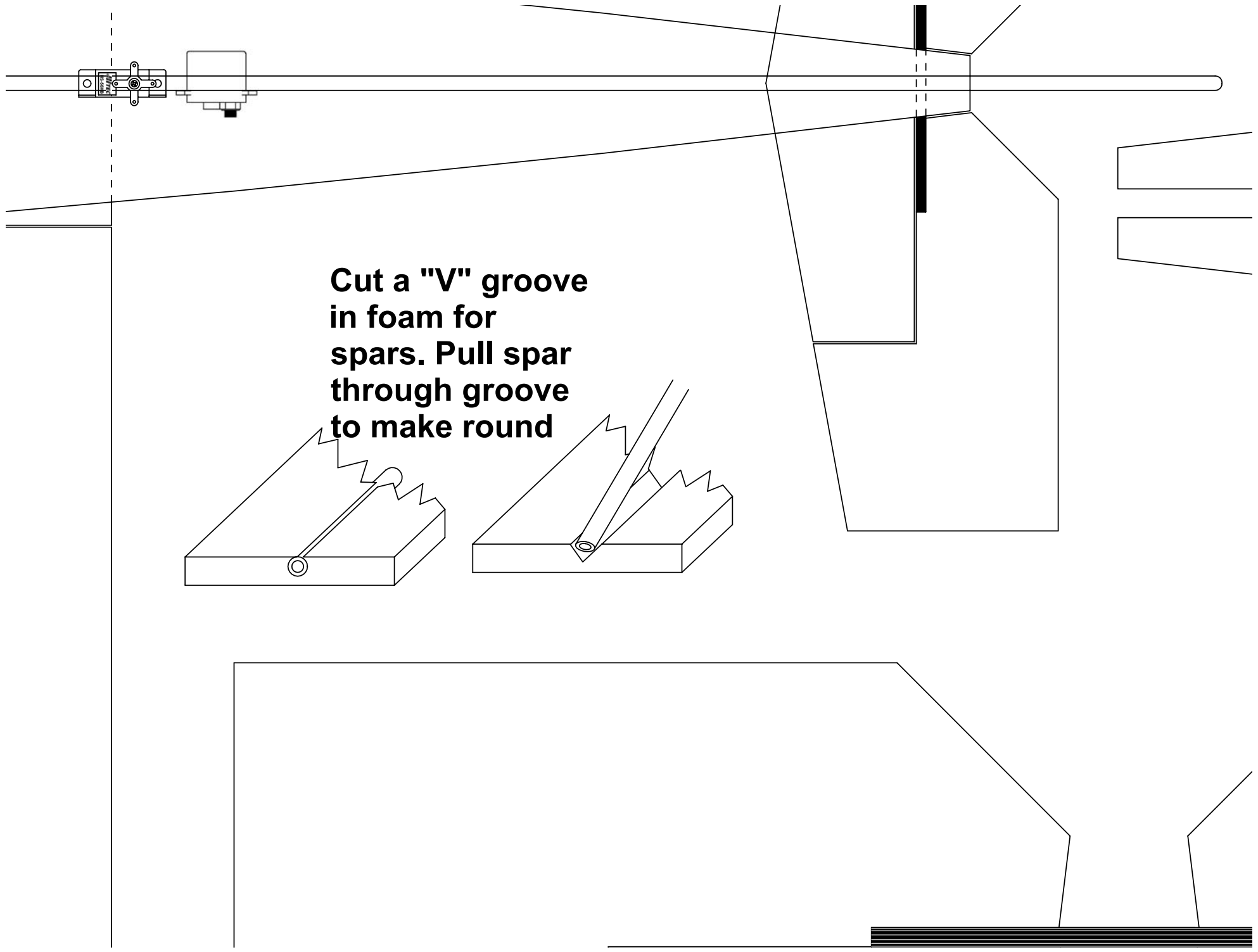
6mm Depron Fuse Rails

Carbon Spar

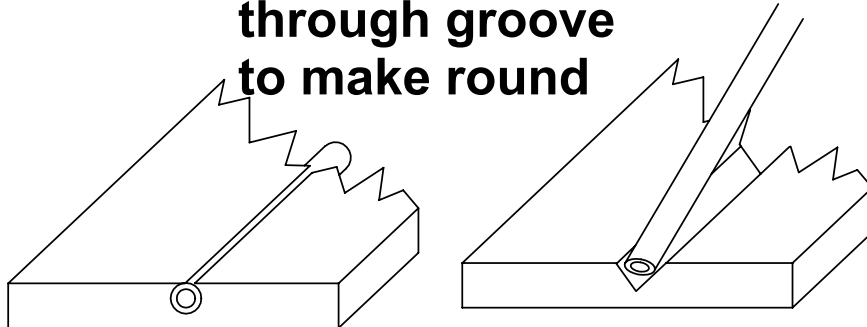
Carbon Tail wheel bracket

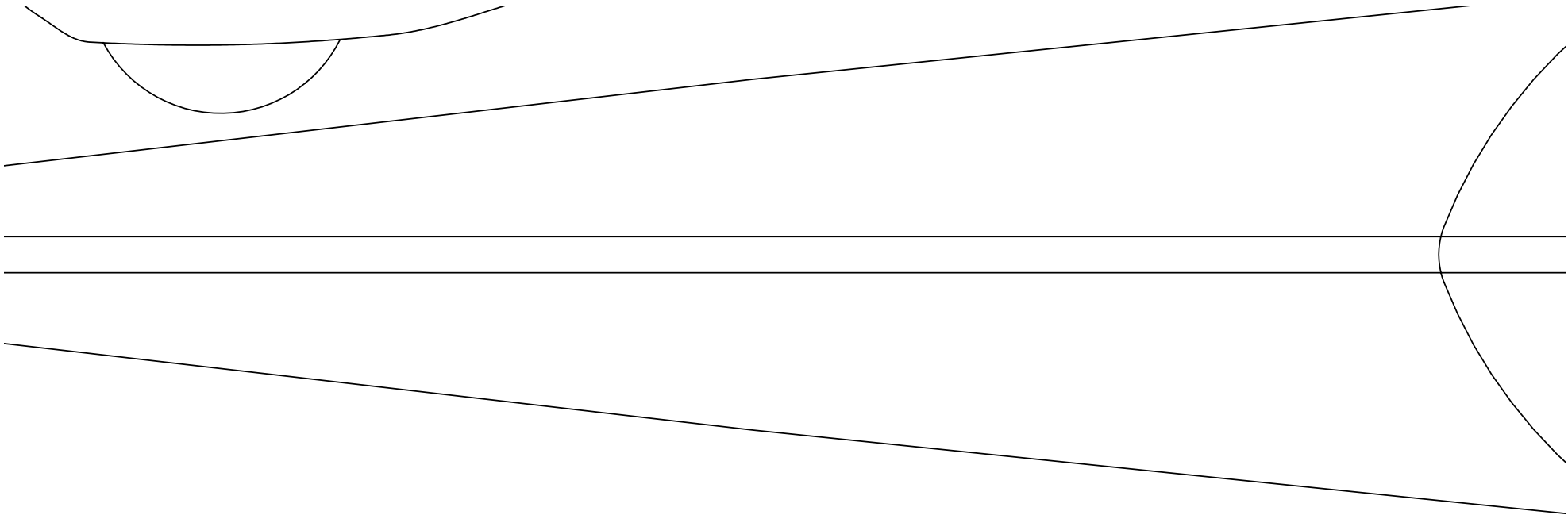
**Wheel axel/steering arm
deg. at the top to form
arm. Use clamp on ball
of rudder control horn)**





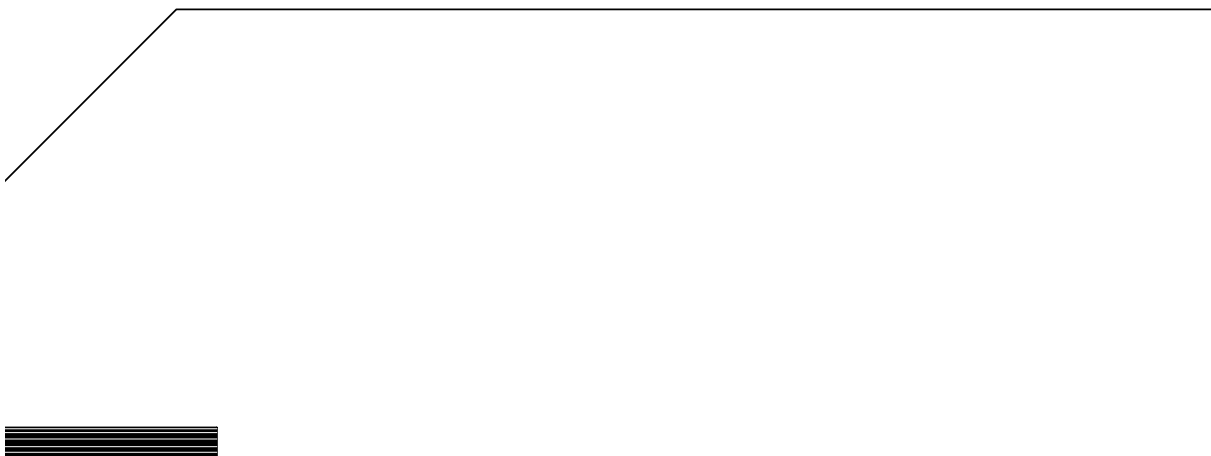
**Cut a "V" groove
in foam for
spars. Pull spar
through groove
to make round**





Motor/E

Motor Gearing Prop Battery
GWS EPS350C DS (6.6:1) C
GWS EPS350C DS (6.6:1) C
Hacker B20-26S 4:1 Planeta
Hacker B20-31S 4:1 Planeta
Hacker B20-15L 4:1 Planeta
Hacker B20-15L 4:1 Planeta
Hacker B20-18L 4:1 Planeta
Hacker B20-18L 4:1 Planeta
Razor RZ300 GWS/5.3:1 GV
Razor RZ300 GWS/5.3:1 GV
Razor RZ300 GWS/6.6:1 GV



Battery Info

Amp Draw Thrust

3WS 12x6 2s1p Lipo 9.5 17.1 oz.

3WS 11x4.7 3s1p Lipo 11.5 24.3 oz.

iry APC 11x4.7 3s1p LiPo 11 amps 22.1 oz.

iry APC 11x4.7 3s1p LiPo 7.7 amps 18.6 oz.

ry APC 11x4.7 3s2p LiPo 19.5 amps 38.5 oz.

ry APC 11x4.7 2s1p LiPo 10.8 amps 20.6 oz.

ry APC 11x4.7 3s1p LiPo 11.7 amps 27.7 oz.

ry APC 12x6 3s2p LiPo 19 amps 36.7 oz.

VS 11x4.7 2s1p LiPo 8.8 amps 15.7 oz.

VS 12x6 2s1p LiPo 9.9 amps 18.5 oz.

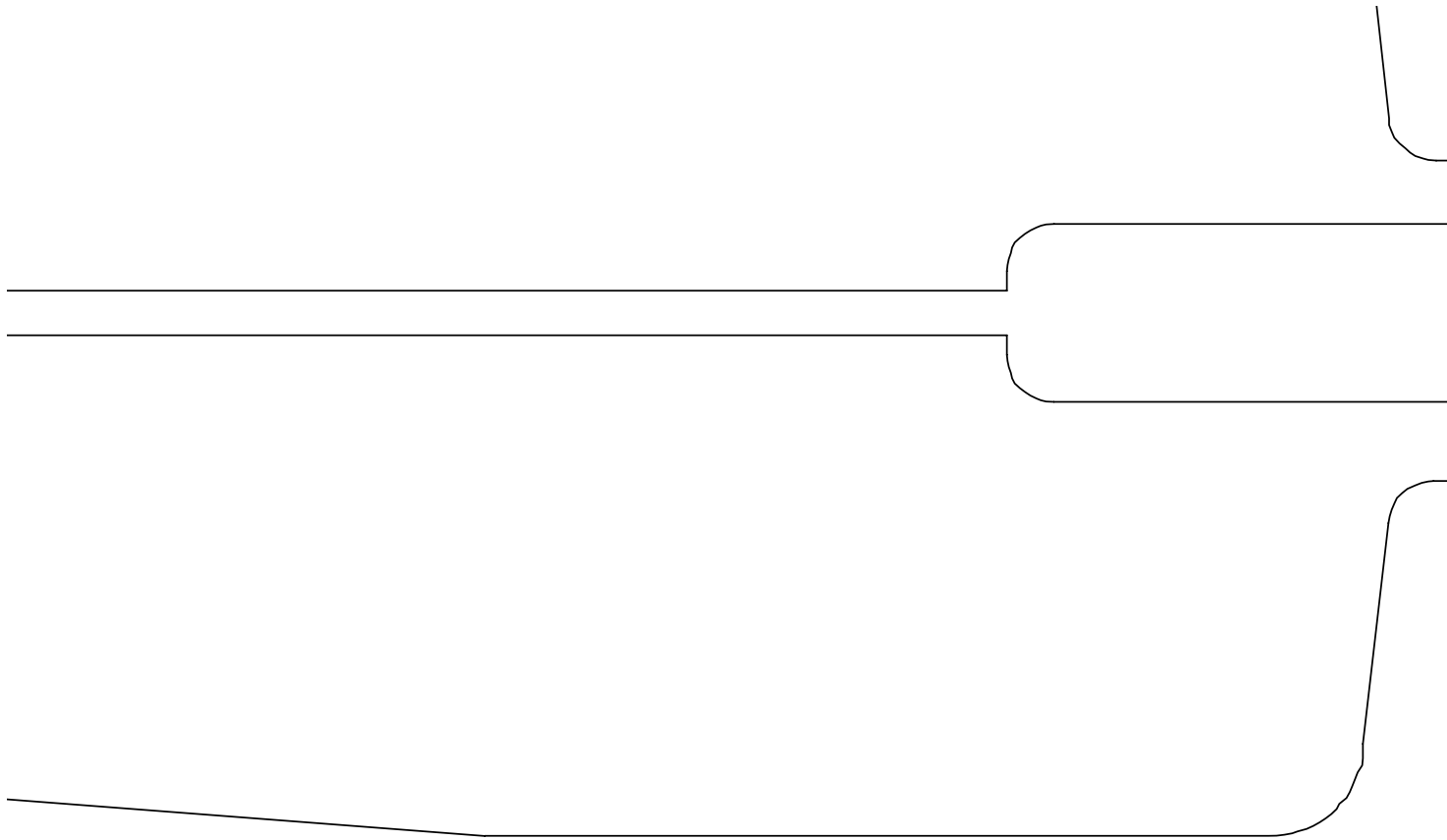
VS 11x4.7 3s1p LiPo 12 amps 26 oz.

6

5

4

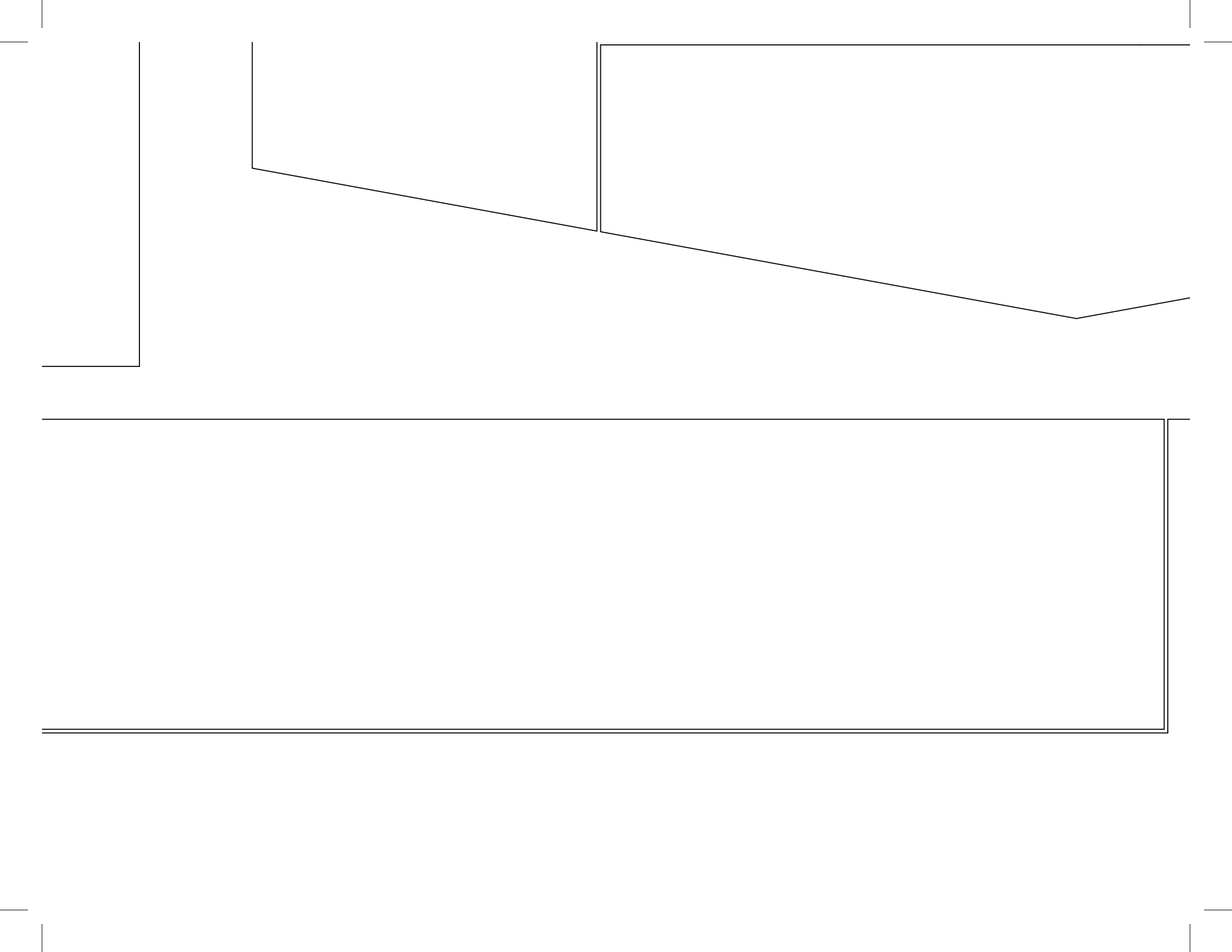
3



Motor stick instilation.

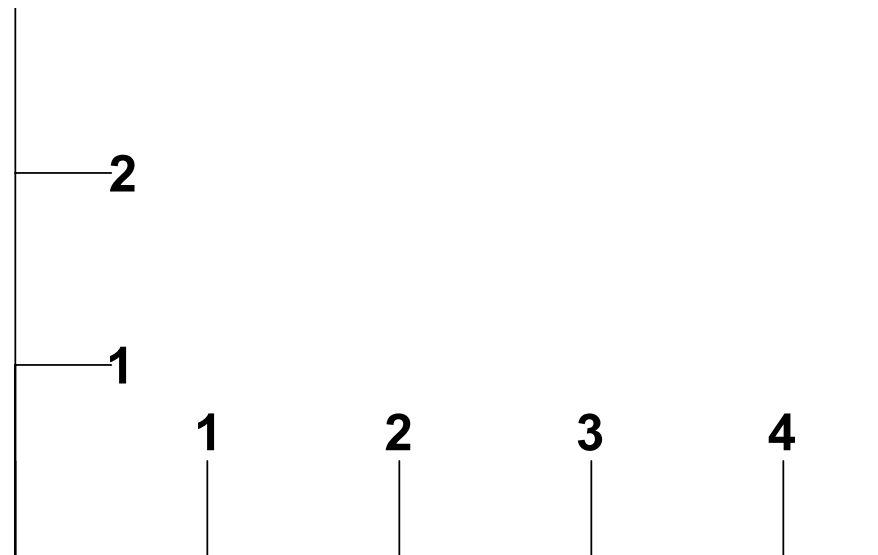
You will need to adjust the position of the Carbon rod and motor mount for your motor/gearbox combination. The carbon rod may be in a diferent location. that is OK.





Razor RZ350 GWS/6.6:1 GV
Razor RZ350 GWS/6.6:1 GV
Razor MicroHeli v2 GWS/6.6:1 GV
PJS 3D 500 Direct APC 10x
PJS 3D 550 Direct APC 10x
HiMax HA2015-3600 GWS/5.6:1 GV
HiMax HA2015-3600 GWS/6.6:1 GV
HiMax HA2015-4100 GWS/6.6:1 GV
HiMax HA2015-4100 GWS/5.6:1 GV
HiMax HA2015-5400 GWS/6.6:1 GV
HiMax HA2025-3236 3.6:1 F
HiMax HA2025-3236 3.6:1 F
HiMax HA2025-4236 4.3:1 F

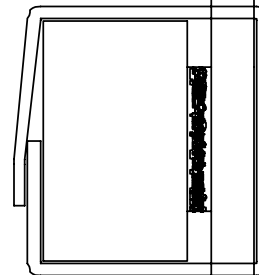
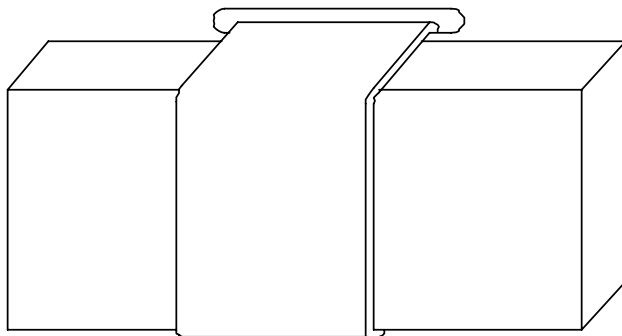
VS 12x6 3s1p LiPo 12.4 amps 27 oz.
 VS 11x4.7 3s1p LiPo 8.7 amps 21.2 oz.
 3:1 GWS 12x6 3s1p LiPo 8.9 amps 22.8 oz.
 4.7 3s2p LiPo 16.4 amps 21.9 oz.
 4.7 3s2p LiPo 13.8 amps 20.7 oz.
 5.3:1 GWS 12x6 3s1p LiPo 8.7 amps 20.5 oz.
 3.6:1 GWS 12x6 3s1p LiPo 6.5 amps 18.5 oz.
 3.6:1 GWS 12x6 3s1p LiPo 11.2 amps 26.4 oz.
 5.3:1 GWS 11x4.7 3s1p LiPo 11.6 amps 25.2 oz.
 3.6:1 GWS 12x6 2s1p LiPo 10.2 amps 17.8 oz.
 Planetary APC 11x4.7 3s2p LiPo 14 amps 29.3 oz.
 Planetary APC 12x6 3s2p LiPo 17 amps 32.2 oz.
 Planetary APC 11x4.7 3s2p Lipo 20.2 amps 38.1 oz.



5

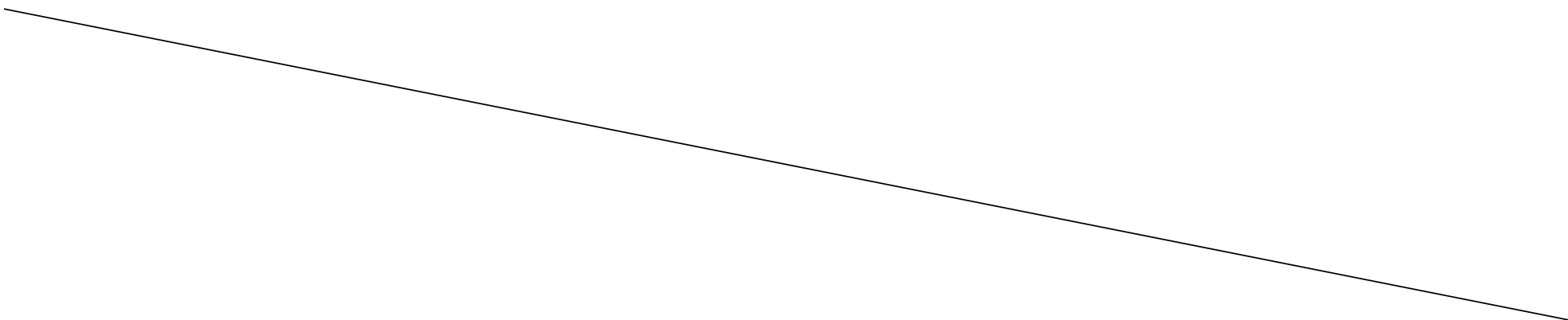
6

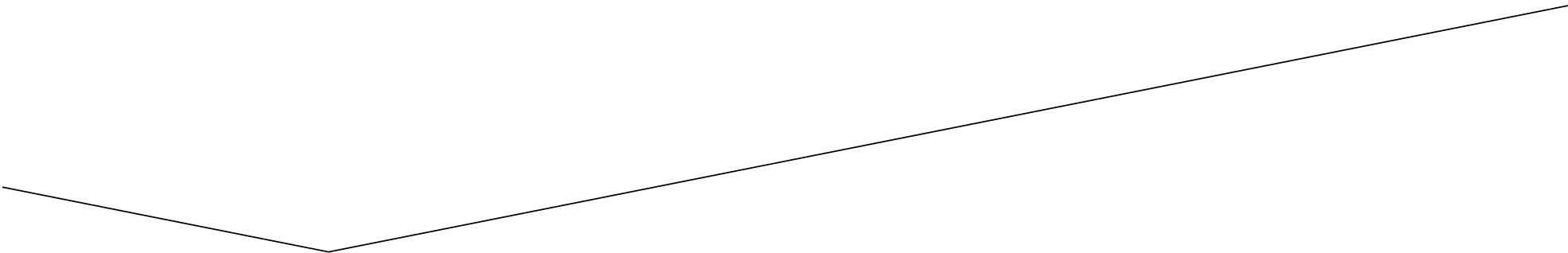
**Mount Battery Pack
with 1" Velcro strap.
Also use adhesive
Velcro on the side of
fuselage and back of
pack to secure in
place.**

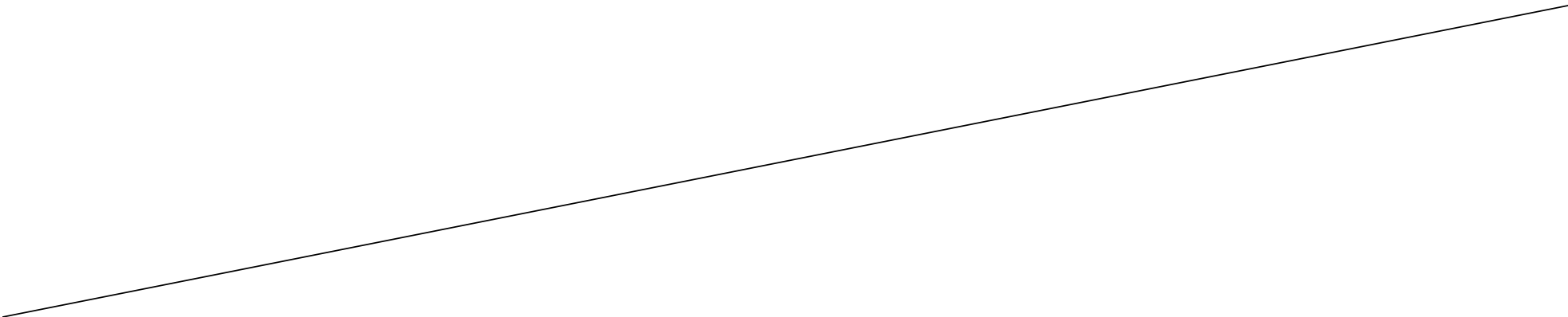




All hinging for control surfaces can be packing tape or actual hinges. I prefer robart hinge points epoxied in place for the added longevity and control freeness.







Specs:

3D FC

Weight	10.5-15.5 oz.
Thrust	24-39 oz.
Radio	4-5 Chanel
Area	303.4 in²
Loading	5.0-7.6 oz/ft²
WWW.3DFOAMY.COM	

CAP 222 (G 202)

FOAMY

Copyright © 2004 3DFoamy.com.

All rights reserved.

Designed and Drawn by Levi Jordan

Updated: 03/3/04.