

INNER LANDING SKID

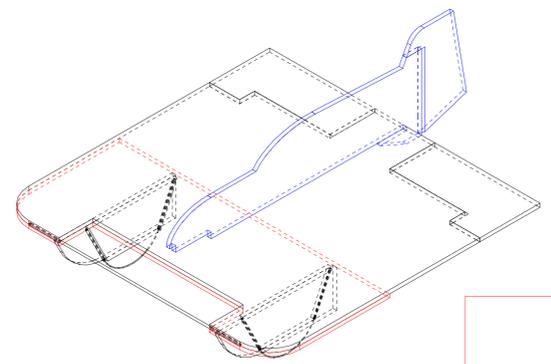
INNER LANDING SKID

FUSELAGE

RUDDER

CENTER OF GRAVITY

GRAY DASHED LINE REPRESENTS 18" X 36" SHEET OF EPP



KF STEP PANEL

OUTER LANDING SKID  
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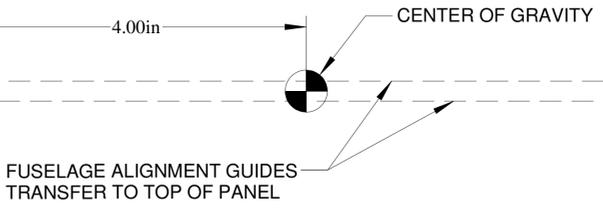
Here is a guide to building the Pbf.

1. Cut all foam pieces
2. Hinge all control surfaces
3. Laminate lower KF piece
4. Optional: do your cool paint job now
5. Install fuselage
6. Install foam skid assemblies
7. Hook up electrics, check operation, center servos
8. Install electrics
9. Install control rods and horns
10. Install leading edge tube
11. Install wire hoop landing gear

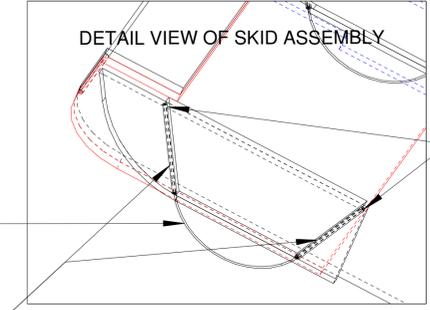
For the maiden flight:  
 Check cg and control movements  
 I use +/- 45 degrees and 75% expo on all surfaces to start  
 Elevons should be slightly up; 1/16" or 1/8", rudder straight  
 Launch nose high, about 45 degrees and 1/3 throttle. It should float away and climb slowly.

Trim cg and controls as required.

And don't forget the most important thing - Have fun!



LANDING GEAR IS .032" MUSIC WIRE 9-3/4" LONG - 2 PIECES REQ.  
 FLEX BOTH ENDS OF WIRE AND INSERT INTO TUBES.  
 SPRING TENSION HOLDS WIRE IN PLACE.



PLASTIC TUBES GLUED TO INSIDE CORNER OF SKID ASSEMBLIES. RC CAR ANTENNA GUIDE CAN BE USED FOR TUBING. ALSO 1/8" NYLON TUBING IS SUITABLE

**NOTE: PLUGS REQUIRED**  
 THERE IS A 1/4" LONG PLUG IN THE END OF THE LANDING GEAR TUBES TO ACT AS WIRE STOPS. A PIECE OF WIRE WAS USED FOR THIS ON THE PROTOTYPE.

WING AND ELEVON PANEL

Parts list

- 1 sheet 18 x 36 1.3# 9mm epp foam.
- 1/16" (1.5mm) carbon rod for control rods.
- 1/8" x 14" carbon tube for leading edge/prop protector
- 1/32 music wire for control rod ends and wire hoop skids.
- Hot glue
- Welders glue
- 3M Spray 77
- Paint

Specifications:

- Wingspan: 18"
- Length: 18"
- AUW with a 2s 360 battery is 189 grams or about 6.7 oz.

Hardware Required:

- 24 gram motor: Blue Wonder motor - 1500kv
- Motor mount
- Prop: GWS 8x4 HD
- Prop saver
- ESC
- Servos: 3 - 5 gram servo
- Receiver
- Control horns 3 pieces
- EZ connectors 3 pieces
- Battery: 2s 360 battery

**PbF**

Designed by Leadfeather on RCGroups.com  
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