36”

150-270mAh
NIMH FLAT BATT

BERG 4L RX

WING BOTTOM SECTION

1.25” BACK FROM LE

CG

CARBON FLAT SPAR (1mm x 5.7mm x 32”) or 2.25” dia CARBON TUBE

7”

2”

INSTRUCTIONS

1) Cut out top and bottom panels out of fan-fold-foam or depron 6mm with an exacto knife.

2) Glue leading edges of panels together with foam safe ca glue, gorilla glue, epoxy or goop.

3) Cut and insert a spar into the bottom panel 1.25” back from the leading edge. Tape carbon spar in place with a piece of tape on top and bottom of spar.

4) Glue 1/8: x 1/4“ wide x 36” long wood step under the top sheet of foam to creat the “KF” airfoil.

5) Cut out and glue tail fin onto an 11” flat or tube spar. Tape spar to bottom of wing.

6) Form leading edge with a hot iron at 350-375 degrees. Push the iron down and “smash”, don’t try and drag it.

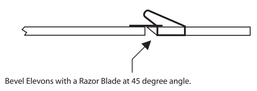
7) Bevel elevons at a 45 degree angle with a razor blade for hinge clearance.

8) Use BLEN DERM, packing, or vinyl tape to attach elevons to plane.

9) Foam safe CA glue the control horns into place.

10) Install electronics, trim, balance and test fly. Set throws to 10% on elevator and 30% for ailerons.

HINGE DETAIL



Bevel Elevons with a Razor Blade at 45 degree angle.

TOP “KF” AIRFOIL STEP

3”

6”





OPTIONAL STRIP OF FOAM TO COVER ELECTRONICS

1/8”THICK x 1/4”WIDE x 36” HARDWOOD or BALSA STRIP
GLUE STRIP BETWEEN SHEETS

PRESS JAGGED “LE” WITH A MONO-COAT IRON
SET AT AROUND 350-375 DEGREES

5”

8”

CARBON FLAT SPAR (1mm x 5.7mm x 11”) or 2.25” dia CARBON TUBE
GLUE TAIL FIN TO SPAR WITH CA GLUE, GOOP or GORILLA GLUE
THEN TAPE OR GLUE TO UNDERSIDE OF WING

THE revert

$2 ACROBATIC SLOPER

MADE FROM FFF or DEPRON 6mm FLAT FOAM

design by:	TROY CHURCHILL
maiden:	5/5/07
revision:	A1
wingspan:	36”
root chord:	7“
elevons:	2” at widest
weight AUW:	4.5-8oz
balance:	1.25” from LE