

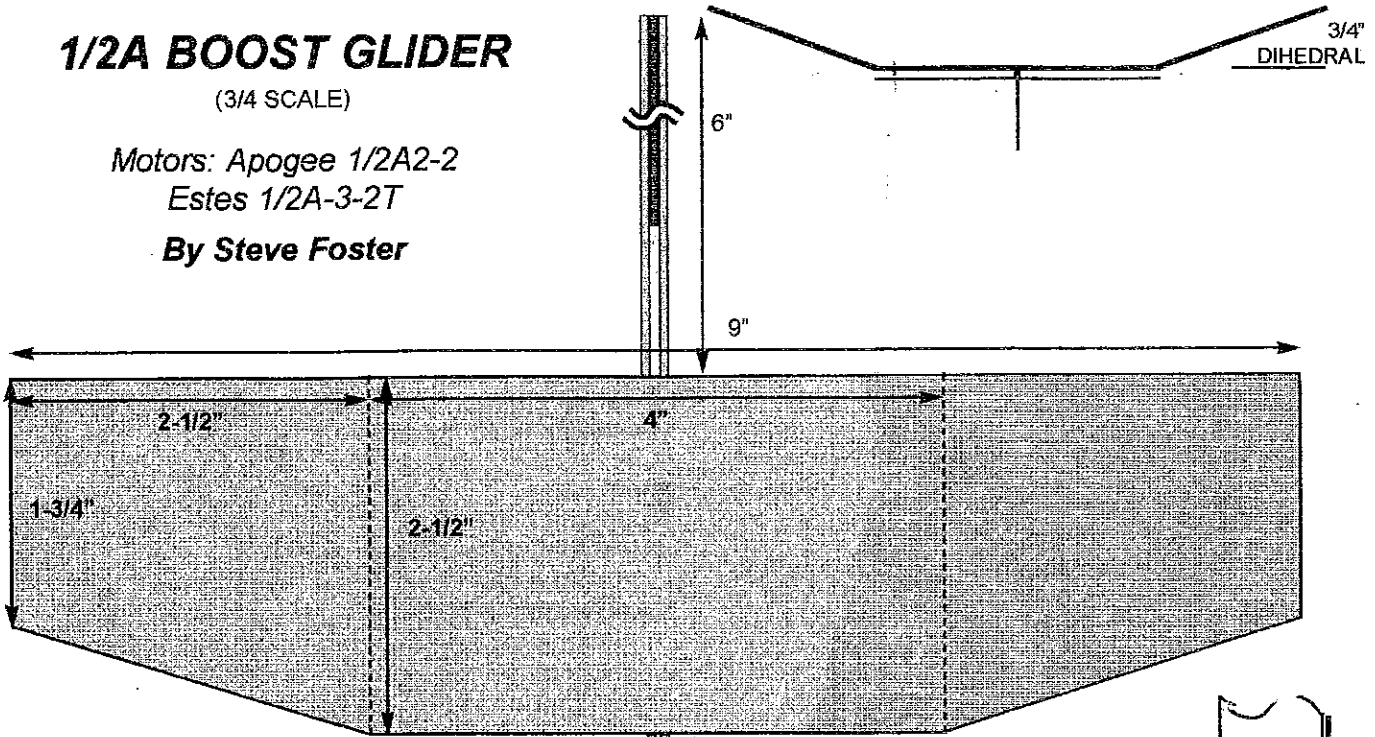
1/2A BOOST GLIDER

(3/4 SCALE)

Motors: Apogee 1/2A2-2

Estes 1/2A-3-2T

By Steve Foster



CONSTRUCTION:

FUSELAGE: (2) 1/16" X 1/8" X 16" Balsa strips, with rear trimmed and glued together, section in front of wing has 1/8" X 1/16" balsa "sandwiched" to match pod (NOTE: CAREFUL ATTENTION IS NEEDED TO MAKE SURE FUSELAGE IS NOT TWISTED DURING CONSTRUCTION).

WING: 1/8" OR 3/16" CONTEST Balsa, TISSUED, WITH AIRFOIL SHAPE, HIGH POINT 3/8" FROM LEADING EDGE, SHAPE ENTIRE WING BEFORE CUTTING FOR DIHEDRAL

STAB & RUDDER: 1/32" Balsa, TISSUED

POD: (2) 1/32" Balsa ON OUTSIDE, WITH 1/16" Balsa & SPRUCE (LIFTING PIECE) "SANDWICHED" IN THE MIDDLE). BOTTOM OF POD SHOULD BE ABOUT 1-3/4" FROM FRONT OF WING. (NOTE: GLIDER SHOULD FALL OFF POD WHEN HELD UPSIDE DOWN)

TRIMMING: WHEN TEST GLIDING IF MODEL STALLS ADD SMALL AMOUNTS OF CLAY TO THE FRONT BOTTOM OF THE FUSELAGE.

LAUNCH LUG

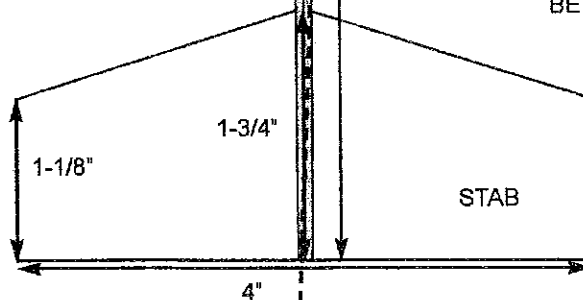
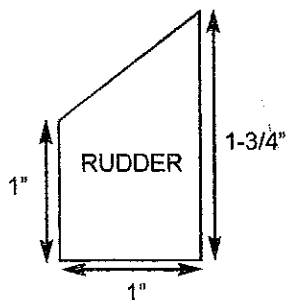
POD:
(actual size)
MOTOR TUBE
10.5 mm OR
13 mm X 6"

7.5"

ANGLE OF RUDDER
TO INDUCE TURN
DURING GLIDE &
ROLL DURING
BOOST PHASE

WIRE & SPRUCE
SANDWICHED II
BETWEEN BALS

ELASTIC: 1/8"
SECURED AT
BOTTOM,
RUN INTO
TOP OF
NOSE CONE



1-3/4" TO
FRONT OF
WING