

"LITTLE STINGER" STREAMER DURATION DESIGN

Nov. 1981 Honorable Mention SKILL LEVEL 2

Robert & Paul Drapeau
Bellingham, MA

PARTS LIST

A	3070 Body Tube	BT-5 (6")
B	8000 Nose Cone	BNC-5E
C	2321 Launch Lug	LL-2A (cut in half)
D	3050 Engine Block	JT-5C
E	2276 Shock Cord	SC-1
F	3164 Fins (3)	BFS-20
G	2281 Screw Eye	SE-3
H	2341 Streamer 1"	SM-1
I	Shock Cord Mount	

Fins: 1/16" Balsa, Round leading edge,
taper small trailing edge.

Paint: Body - Gloss Yellow
Nose - Black

Recommended Engine:

1/2A3-2T, 1/2A3-4T,
A3-2T, A3-4T (1st Flt.) A10-3T

Additional Materials:

White glue, sanding sealer, spray paint,
sandpaper, hobby knife, ruler, and a sharp pencil.

The LITTLE STINGER was inspired by the BUMBLE BEE winner of the January, 1980 design contest by Roger Smith of Brookville, Ohio. The LITTLE STINGER modifies the design by utilizing a BT-5 Body Tube for less bulk, Tri fins for less resistance, and a more rounded nose. The launch lug (LL-2A) is cut in half and trimmed back on each end.

For less drag, one piece is mounted near the nose and the other close to the tail. This provides launch stability. A basic shock cord can be used. The final model used in local competition used a parachute shroud line to provide more room for the streamer inside the body tube.

Using the A3-4T engine provided durations of about 43 seconds and a competition time of 42.51 placing it first in division on August 22, 1981 at the annual Needham (Mass) Park & Recreation Program.

