

THIS IS NOT A TOY

HAWK

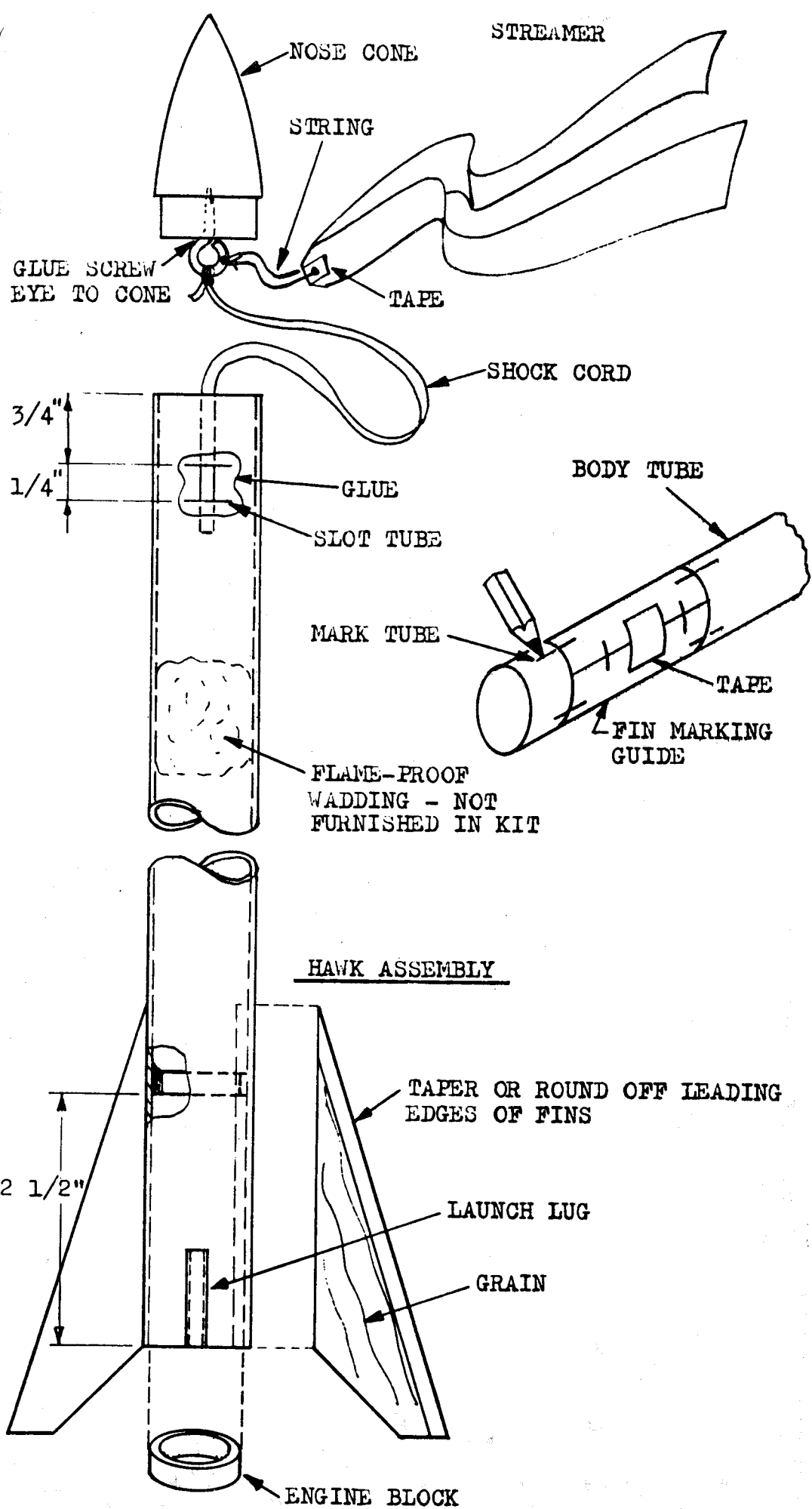
Specifications:

Length ----- 11.0"

Body Dia. ----- 0.71"

Recommended Engines, A-8-3,
B-4-2, B-6-2

Streamer Recovery



STREAMER

NOSE CONE

STRING

GLUE SCREW
EYE TO CONE

TAPE

SHOCK CORD

3/4"

1/4"

GLUE

BODY TUBE

SLOT TUBE

MARK TUBE

TAPE

FIN MARKING
GUIDE

FLAME-PROOF
WADDING - NOT
FURNISHED IN KIT

HAWK ASSEMBLY

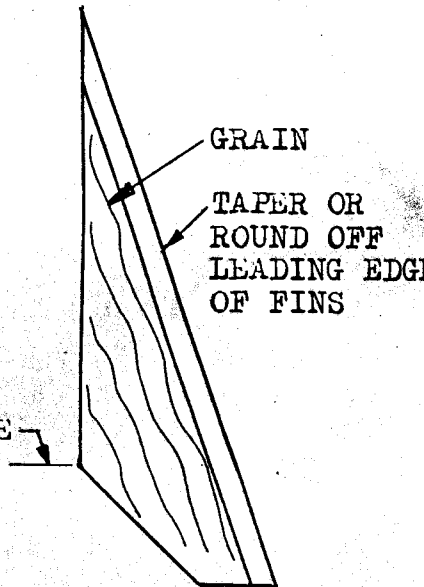
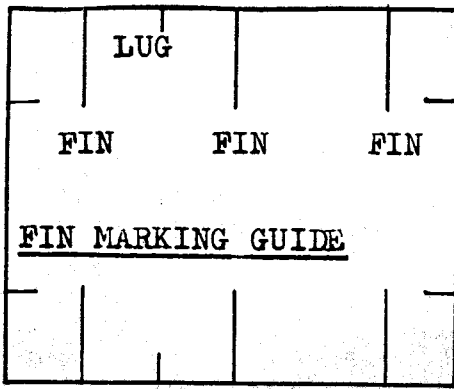
TAPER OR ROUND OFF LEADING
EDGES OF FINS

2 1/2"

LAUNCH LUG

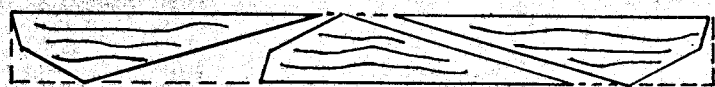
GRAIN

ENGINE BLOCK

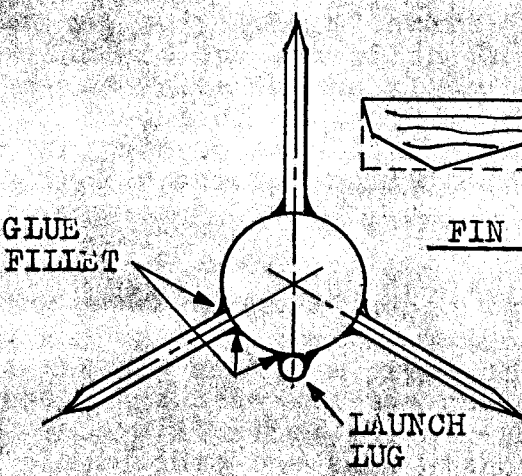


ALIGN WITH
BOTTOM OF TUBE

FIN PATTERN



FIN SHEET CUTTING DIAGRAM



FIN ALIGNMENT GUIDE

PARTS LIST

- | | |
|----------------|------------------|
| 1 - BODY TUBE | 1 - ENGINE BLOCK |
| 1 - NOSE CONE | 1 - STREAMER |
| 1 - SHOCK CORD | 1 - SCREW EYE |
| 1 - FIN SHEET | 1 - LAUNCH LUG |

MATERIALS REQUIRED FOR CONSTRUCTION

White glue, Sharp knife, Fine sandpaper, Masking tape, String (6" long), Spray paint & Decorating tape.

NOTE: Wadding required for launching- not furnished in kit.

HAWK - ASSEMBLY INSTRUCTIONS

- 1 - Cut out fin marking guide, wrap around body tube near one end, tape in place and mark off fin and launch lug spaces. Remove the guide and draw connecting lines through the marks about 5" along the tube.
- 2 - Cut out the fin pattern and trace the outlines on the balsa fin sheet as shown on fin cutting diagram. Taper or round off the leading edges before gluing fins to body tube.
- 3 - Using white glue only - glue the fins and launch lug to the body tube centerlines. Before the fins are completely dry, check alignment with fin alignment guide.
- 4 - Glue screw eye to nose cone.
- 5 - Cut two small slots in the body tube, $\frac{1}{4}$ " apart and $\frac{3}{4}$ " from top of tube. Insert one end of the shock cord through the slots. Add glue to the slots and shock cord. Add a small amount of glue to the short piece of cord inside the tube to keep it flat and prevent snagging on streamer during engine blow-out.
- 6 - Tie shock cord to screw eye.
- 7 - Fold a piece of masking tape (about 2" long) around the creased or folded end of the streamer material. Make a small hole and tie one end of a piece of string (6" long) through the hole and the other end to the screw eye. This will allow the streamer and shock cord to be placed into the tube without pushing out the nose cone.
- 8 - Place a ring of glue 2 $\frac{1}{2}$ " into the rear of body tube. Mark a used engine casing 2 $\frac{1}{2}$ " from one end. Push the engine block into the tube with the casing (using a twisting motion) up to the mark. Remove the casing quickly. Wipe off any excess glue from inside the body tube.

FLIGHT INSTRUCTIONS:

- A - Place a small wad of flameproof wadding about 3" into front of body tube.
- B - Secure engine in tube using a wrap or two of tape.
- C - Place rocket on launch rod in vertical position.
- D - Insert ignition wire into engine. Always use electric ignition system (6 or 12 volt battery).

KEEP MODEL ROCKETRY ONE OF THE BEST SPACE AGE HOBBIES
BY OBEYING ALL SAFETY RULES.