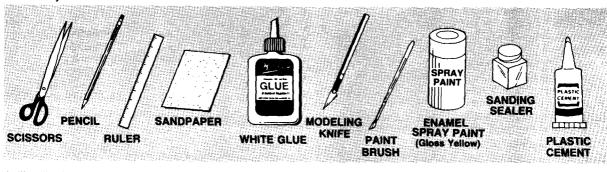
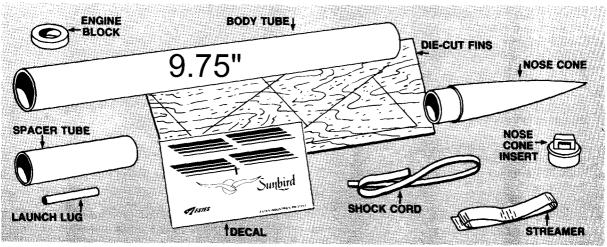


PARTS AND SUPPLIES

Locate the parts shown below and lay them out on the table in front of you. In addition to the parts included in the kit you will also need:





ROCKET ASSEMBLY

- A. Mark spacer tube 1/4 inch from one end.B. Apply a ring of glue to inside of
- body tube about 1 inch from rear of tube.
- C. Insert engine block into end of tube.D. Push engine block into tube with
- spacer tube until mark is even with end of tube.

 E. Remove spacer tube quickly before glue sets. Discard spacer tube.

A. Stand the body tube upright on the fin guide and mark all fin

positions.

B. Draw straight lines from marks approximately 2 - 3 inches down the body tube.

A. Fine sand balsa die-cut sheet.
 Carefully remove fins by freeing with a knife.
 B. Stack fins together. Sand all edges smooth. Round leading edges and trailing edges with

and tip edges square.

C. Glue fins on alignment lines one at a time. Let each dry several minutes before applying next one.

sandpaper. Leave root edges

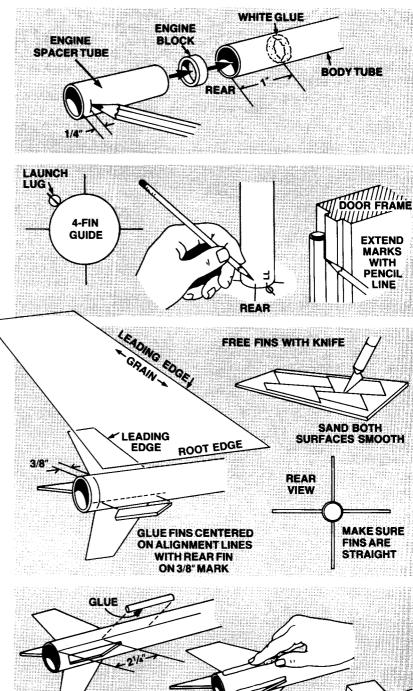
D. Adjust fins to project straight out from tube. Do not set rocket on fins while glue is wet.

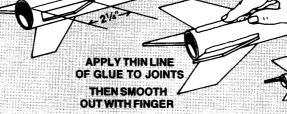
FINS MUST BE ATTACHED

CORRECTLY FOR STABLE FLIGHT!

A. Glue launch lug 21/4 inches from rear of rocket on its alignment line.

B. Apply a glue reinforcement to each fin/body tube joint.C. Support rocket as shown until glue dries.





Cut out shock cord mount from front of instructions

B. Crease on dotted lines. Spread glue on section 1 and lay end of shock cord into glue. Fold over and apply glue to back of first section and section 2. Lay shock cord as shown and fold over again.

C., Clamp unit together with fingers until glue sets.

A. Apply glue to back of shock cord mount.
B. Gently position mount down into front of body tube far enough from front edge of tube to allow nose cone to fit.
C. Press shock cord mount firmly

7
A. Cement nose cone and nose cone insert together with plastic

into position.

cement.

results.

B. When cement is dry, tie end of shock cord to nose cone loop with double knot.C. Tie shock cord around plastic

streamer with a double knot as shown.

D. Roll streamer up and put it into body tube along with shock cord and nose cone.

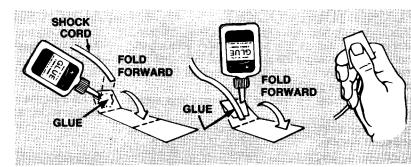
A. Apply sanding sealer to all wood parts with small brush.

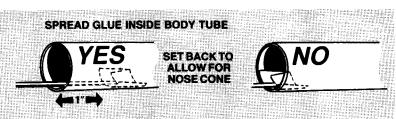
B. When sealer is dry, lightly sand

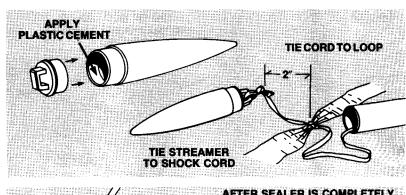
all sealed surfaces. Repeat sanding and sealing until balsa grain is filled and smooth.
C. When sealer and glue are completely dry, paint rocket with yellow spray enamel. Refer to instructions on spray can for best

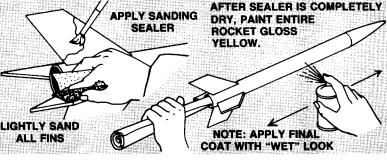
A. Apply decals as shown. Cut out each decal.
B. Dip decal in lukewarm water for 20 seconds and hold until it uncurls.

 C. Slip decal off backing sheet and onto model. Blot away excess water.











FLYING YOUR ROCKET

Choose a large field away from power lines, tall trees, and low flying aircraft. Try to find a field at least 250 feet square. The larger the launch area, the better your chance of recovering your rocket. Football fields and playgrounds are great.

Launch area must be free of dry weeds and brown grass. Launch only during calm weather with little or no wind

LAUNCH SUPPLIES

To launch your rocket you will need the following items:

-An Estes model rocket launching system

-Estes Recovery Wadding (No. 2274)

---Recommended Engines: 1/2A6-2, A8-3, B4-4, B6-4, B8-5, C6-3, C6-5.

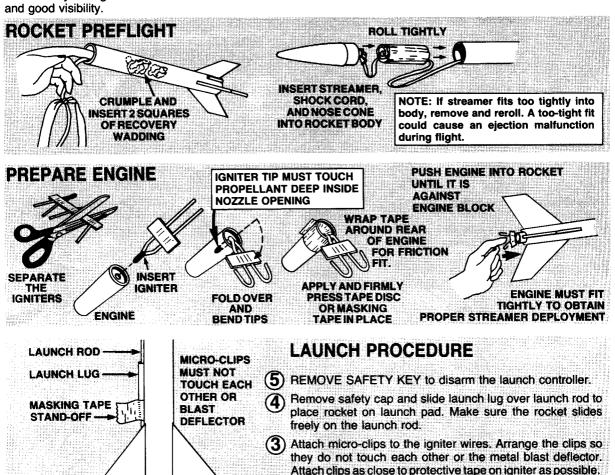
2) Move back from your rocket as far as launch wire will permit

BUTTON UNTIL ENGINE IGNITES

(1) INSERT SAFETY KEY to arm the launch controller. LAUNCH!!! PUSH AND HOLD LAUNCH

Remove safety key-Replace cap on rod.

Use A8-3 engine for your first flight, to become familiar with your rocket's flight pattern.



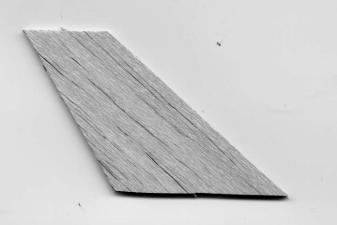
MISFIRES

BLAST DEFLECTOR

Failure of the rocket engine to function properly is nearly always caused by a failure to install the igniter correctly. This failure permits the igniter to heat and burn into two pieces without igniting the engine.

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(at least 15 feet).







ESTES INDUSTRIES PN 37253

Sunbird

FLYING MODEL ROCKET

SKILL LEVEL 1

Harrist S-Gebrus H-Atherist S-Gest

- Die-Cut Fins
- Streamer Recovery
- Sport Flyer

Length: 13 in. (33 cm) Dis: 736 in. (18 7 mm) Weight: 64 oz (18 2 g) Engine Types: 12A6-2 A8-3 (First Figot), 84-4 B6-4, 88-5, C6-3, C6-5 C6-7

FLIGHTS UP TO UP TO 1,200 FEETI

Hacommended for spec 10 to adult. Adult supervision suggested for floors under 12 years of age when flying model rockets. This is a hobby kit requiring assembly. Engines, leurch, system, glue and finishing supplies are not included.



#1936



