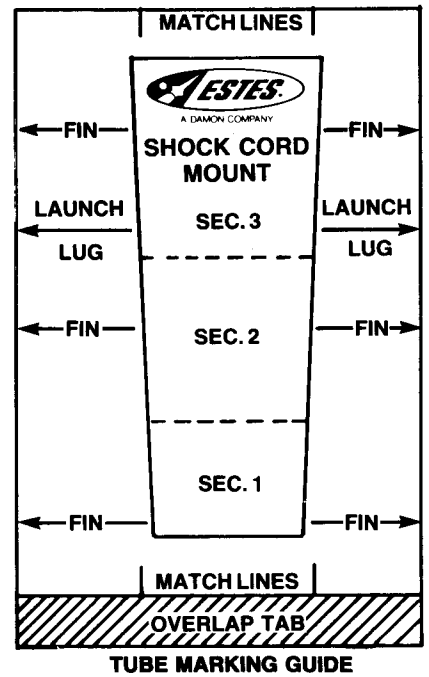
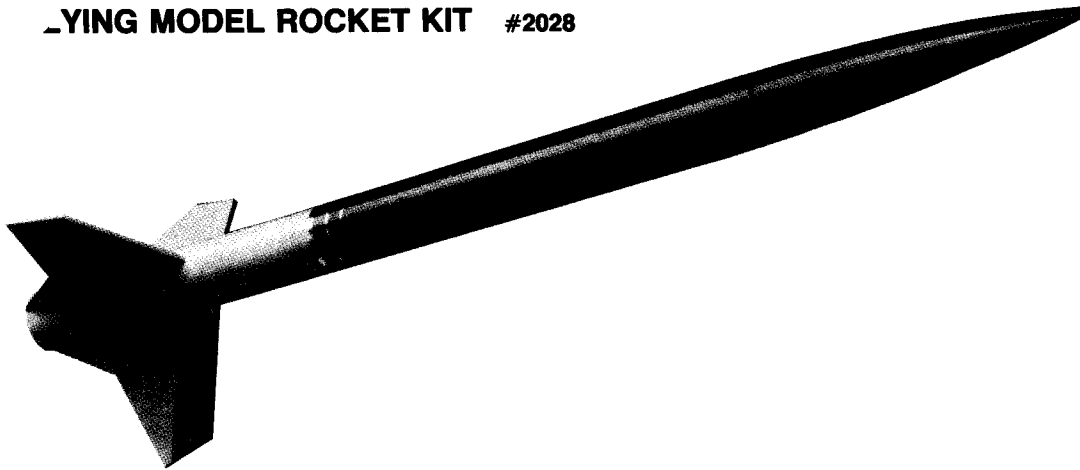




ESTES INDUSTRIES
1295 H Street
Penrose, CO 81240

CAJUN™

FLYING MODEL ROCKET KIT #2028



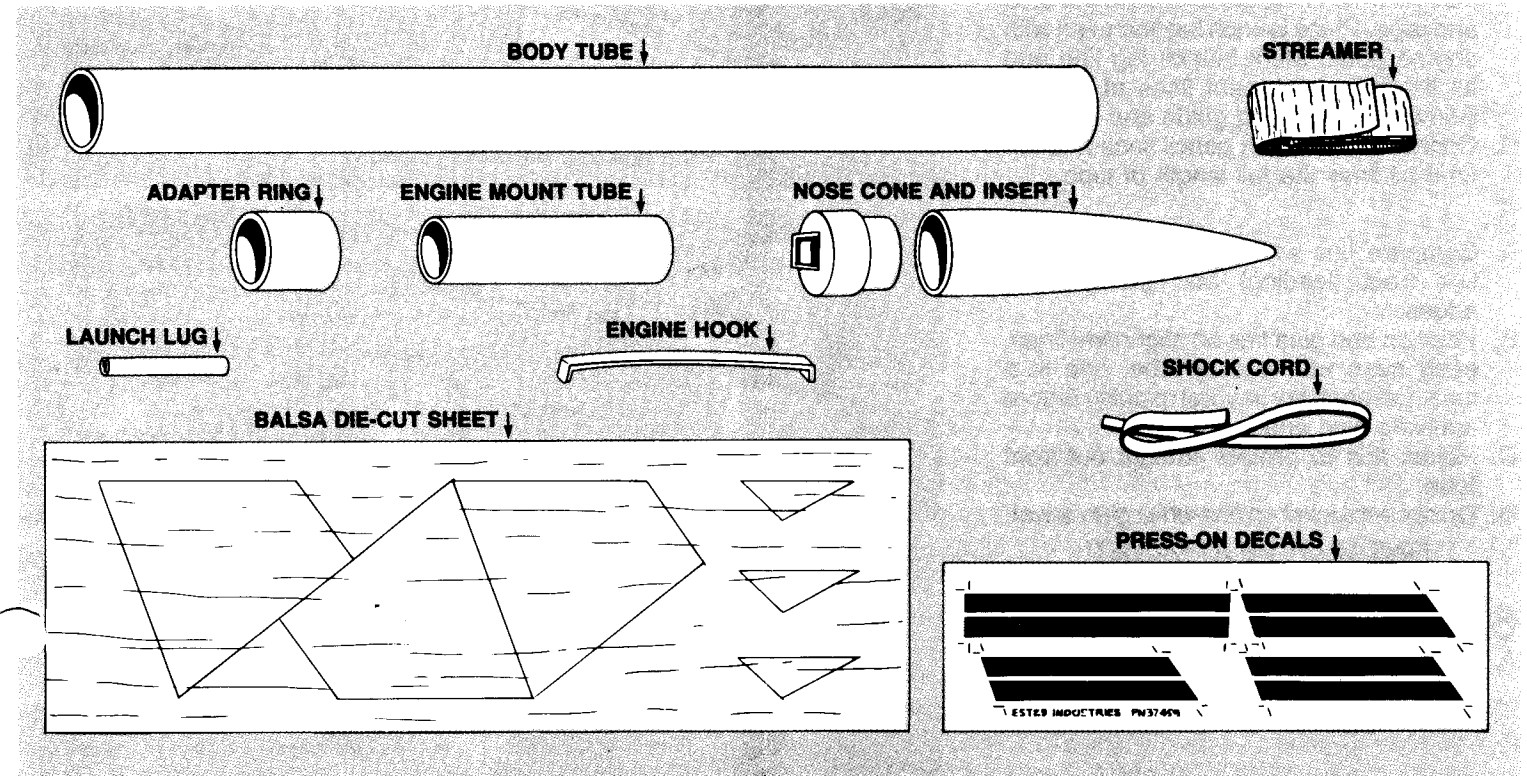
PARTS AND SUPPLIES

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:



ASSEMBLY TIP

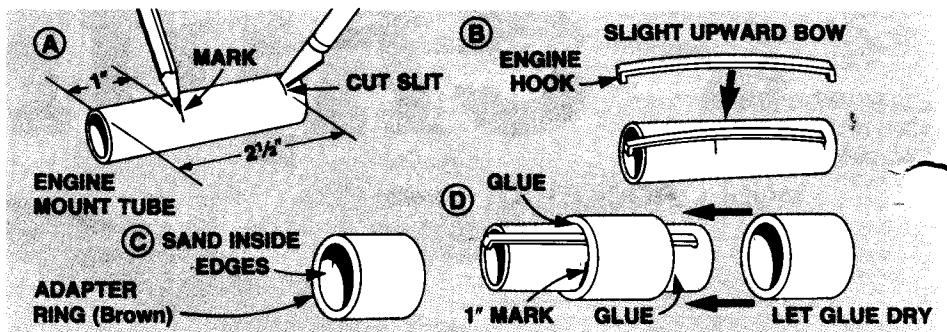
Read all instructions before beginning work on your model. Make sure you have all parts and supplies. Test-fit all parts together before applying any glue. If any parts don't fit properly, sand as required for precision assembly.



ROCKET ASSEMBLY

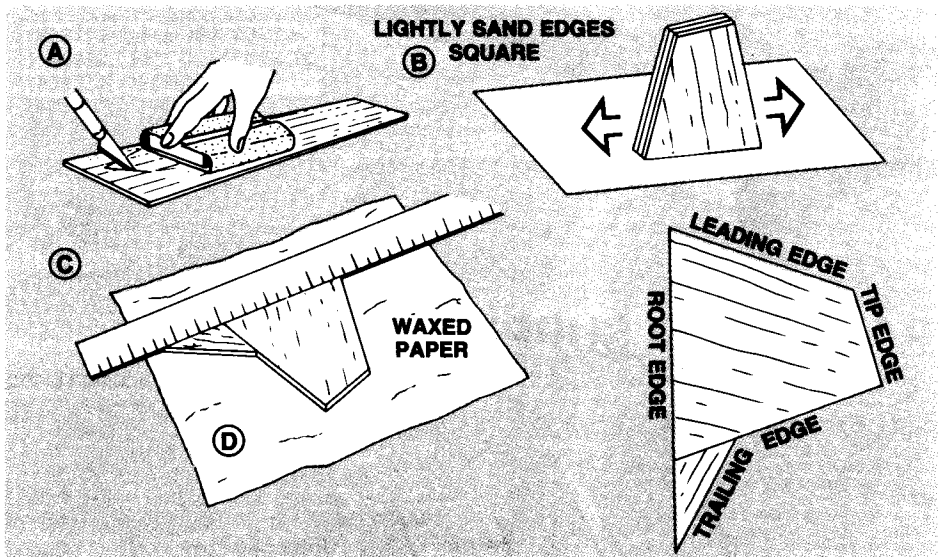
1.

- A. Mark engine mount tube 1 inch and 2½ inches from one end. Cut 1/8 inch long slit at 2½ inch mark.
- B. Insert one end of engine hook into slit.
- C. Sand inside edges of adapter ring.
- D. Slide adapter ring onto tube to the 1 inch mark as shown. Then glue both ends of ring to tube.



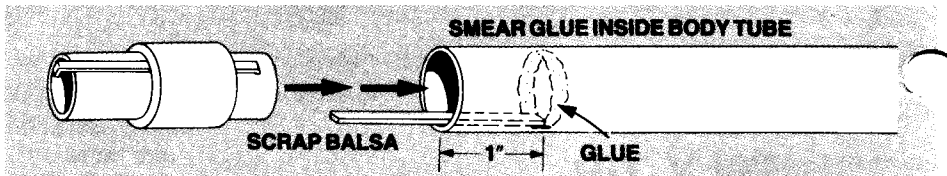
2.

- A. Fine sand balsa die-cut sheet. Carefully remove fins by freeing edges with sharp knife.
- B. Stack fins together. Sand all edges smooth and square.
- C. Assemble fin parts over a piece of waxed paper, on a flat surface. Apply glue to edge of part to be joined.
- D. Press parts together. Use a ruler to make sure bottom edges of parts are straight. If not, adjust parts to make edge straight. Wipe away excess glue and let dry.
- E. Assemble other fins in same manner.



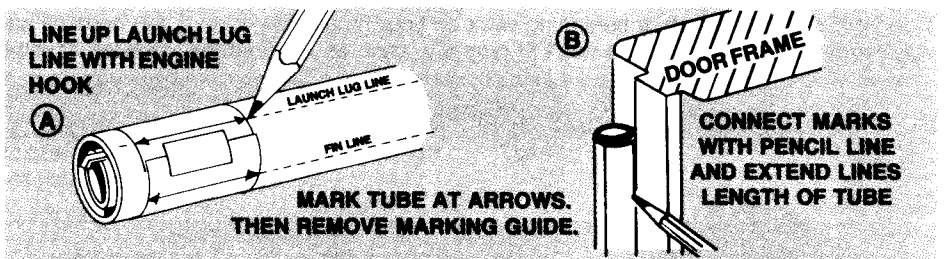
3.

- A. Using a piece of scrap balsa, smear glue inside body tube 1 inch from one end.
- B. Push engine mount in until tube ends are even. Engine hook should protrude from end of body tube.



4.

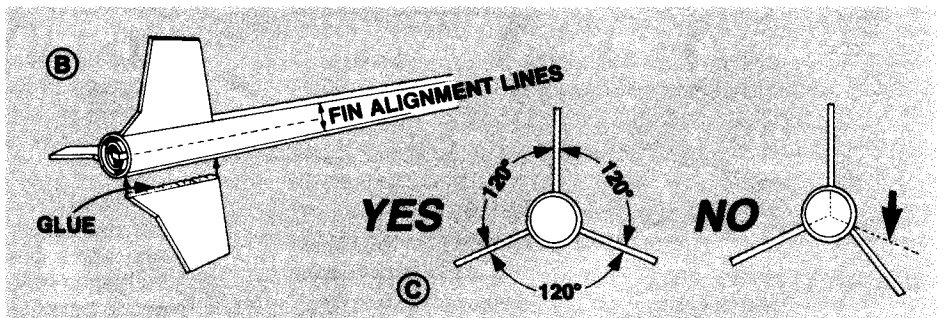
- A. Cut out tube marking guide from front of instructions. Wrap guide around the tube and tape. Place launch lug line even with engine hook. Mark launch lug line and all three fin alignment lines at arrows. Remove fin marking guide and save.
- B. Connect marks with pencil lines and extend all lines the full length of tube.



5.

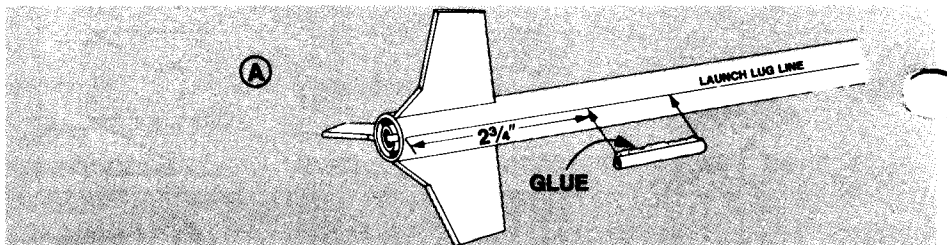
- A. Compare fins with pattern in step 2 to find front (leading) and gluing (root) edges.
- B. Position and glue fins on alignment lines, each even with end of tube, one at a time. Let each dry several minutes before applying next one.
- C. Adjust fins to project straight out from tube.
- D. Do not set rocket on fins while glue is wet.

FINS MUST BE ATTACHED CORRECTLY FOR STABLE FLIGHT!



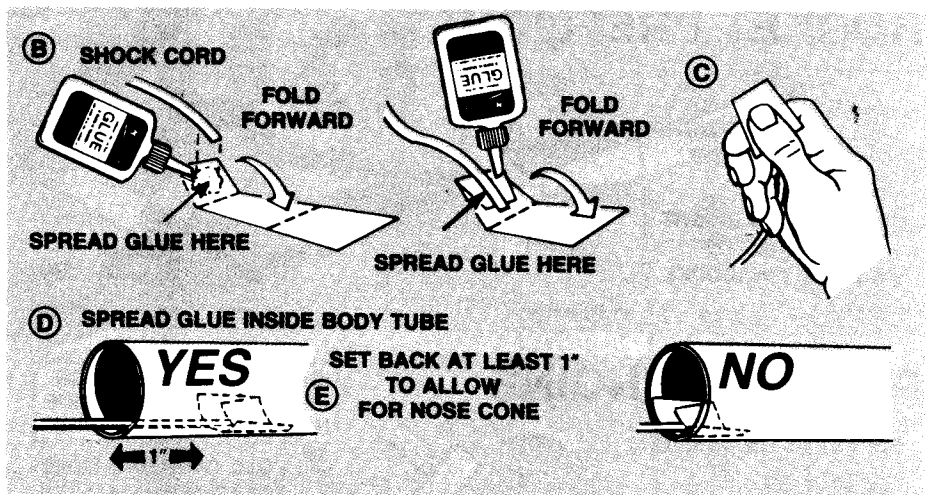
6.

- A. Glue launch lug on launch lug line 2¾ inches from fin end of body tube.



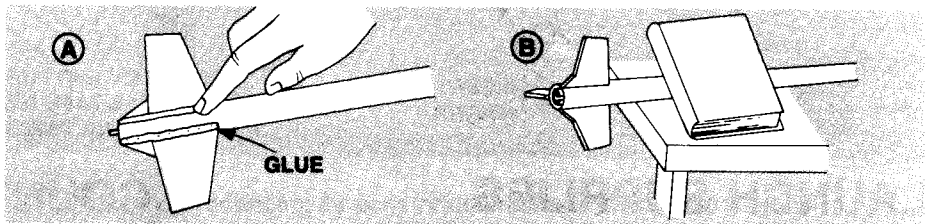
7.

- Cut shock cord mount from tube marking guide.
- Crease on dotted lines by folding. Spread glue on section 1 and lay end of shock cord into glue. Fold over and apply glue to back of first section and exposed part of section 2. Lay shock cord as shown and fold mount over again.
- Clamp unit together with fingers until glue sets.
- Apply glue inside front of body tube to cover an area no less than 1 inch to 2 inches from end. The glued area should be the same size as shock cord mount.
- Press mount firmly into glue as shown. Hold until glue sets.



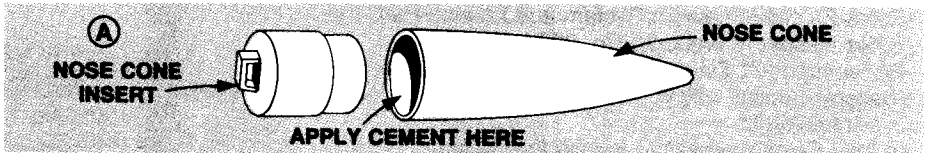
8.

- Apply glue reinforcement to each fin/body tube joint and each side of launch lug.
- Support rocket as shown until glue dries.



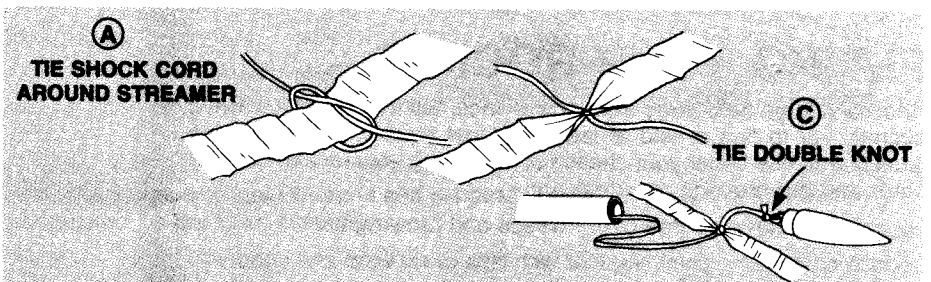
9.

- Glue nose cone insert to nose cone using plastic cement.



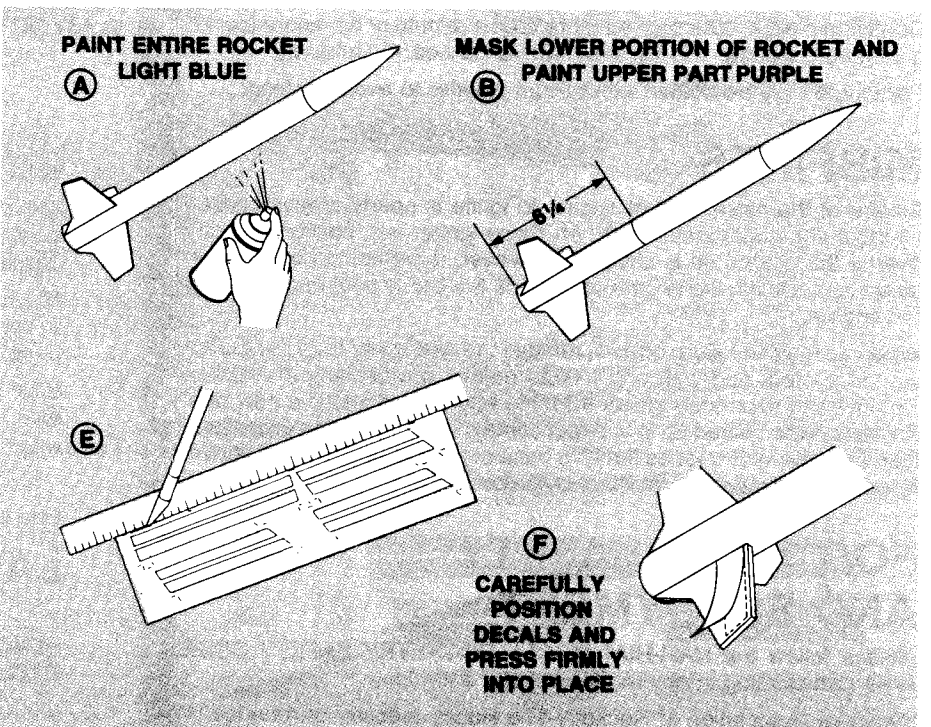
10.

- Locate the center of the streamer. Tie free end of shock cord around middle of streamer at or near middle of shock cord.
- Tie free end of shock cord to nose cone loop. Tie a double knot. Roll streamer, push it and shock cord into body, and install nose cone.



11.

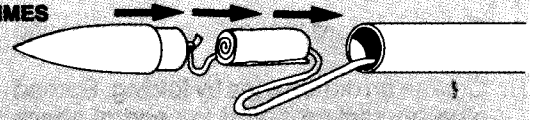
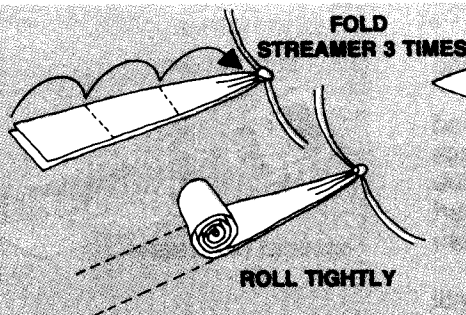
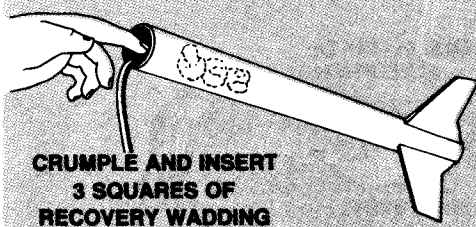
- Apply sanding sealer to all wood parts with small brush.
- When sealer is dry, lightly sand all sealed surfaces.
- Repeat sealing and sanding until wood grain is filled and smooth.



12.

- When sanding sealer and glue are completely dry, paint model with gloss light blue enamel.
- Follow instructions on spray can for best results.
- Let dry overnight. Mask off rocket and paint top section of rocket with gloss purple enamel.
- Remove mask from rocket as soon as paint has set. Let paint dry.
- Cut one decal from backing paper of decal sheet at a time. Lay a ruler along each set of cut marks and cut with a sharp hobby knife.
- After paint is thoroughly dry apply decals as shown in panel photo. Remove backing and press decal into place when position is achieved.

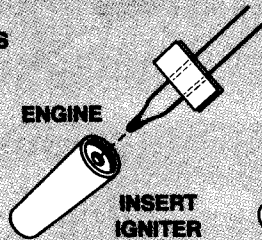
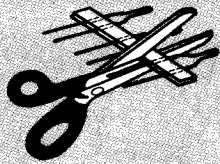
ROCKET PREFLIGHT



NOTE: If streamer fits too tightly into body, remove and re-roll. A too-tight fit could cause an ejection malfunction during flight.

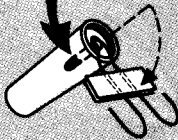
PREPARE ENGINE

SEPARATE THE IGNITERS

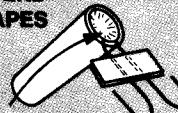


**IGNITER TIP MUST TOUCH
PROPELLANT DEEP INSIDE
NOZZLE OPENING**

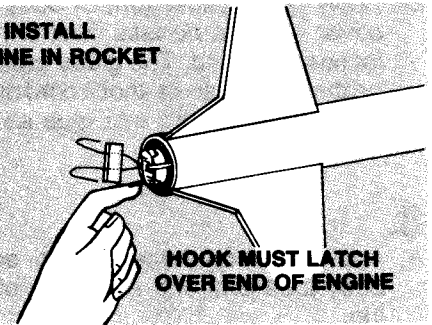
**FOLD OVER AND BEND
LEADS INTO U SHAPES**



**APPLY AND FIRMLY
PRESS TAPE DISC OR
MASKING TAPE IN PLACE**



**INSTALL
ENGINE IN ROCKET**



LAUNCH SUPPLIES

To launch your rocket you will need the following items:

- Estes Electrical Launch System and Launch Pad
- Estes Recovery Wadding No. 2274
- Recommended Estes Engines: B4-4, B6-4, B8-5, or C6-5

To become familiar with your rocket's flight pattern, use a B4-4 engine for your first flight.

Use only Estes products to launch this rocket.

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 and good visibility.

Don't leave parachute packed more than a minute or so before launch during cold weather [colder than 40° Fahrenheit (4° Celsius)].

Parachute may be dusted with talcum powder to avoid sticking.

MISFIRES

Failure of the model rocket engine to ignite is nearly always caused by incorrect igniter installation. An Estes igniter will function properly even if the coated tip is chipped. However, if the coated tip is not in direct contact with the engine propellant, it will only heat and not ignite the engine.

When an ignition failure occurs, remove the safety key from the launch control system and wait one minute before approaching the rocket. Remove the expended igniter from the engine and install a new one. Be certain the coated tip is in direct contact with the engine propellant, then tape the igniter leads firmly to base of engine as illustrated above. Repeat the countdown and launch procedure.

FOR YOUR SAFETY AND ENJOYMENT

Always follow the NAR-HIA* MODEL ROCKETRY SAFETY CODE while participating in any model rocketry activities.

*National Association of Rocketry-The Hobby Industry of America
page 4

COUNTDOWN AND LAUNCH

LAUNCH LUG

**IMPORTANT! WRAP
MASKING TAPE
AROUND LAUNCH
ROD FOR STAND-OFF**

LAUNCH ROD

**SAFETY KEY MUST
NOT BE IN LAUNCH
CONTROLLER
WHEN ATTACHING
MICRO-CLIPS TO
ENGINE IGNITER**

BLAST DEFLECTOR

**MICRO-CLIPS MUST
NOT TOUCH
BLAST DEFLECTOR
OR EACH OTHER**

- ⑩ BE CERTAIN SAFETY KEY IS NOT IN LAUNCH CONTROLLER.
- ⑨ Remove safety cap and slide launch lug over launch rod to place rocket on launch pad. Make sure the rocket slides freely on the launch rod.
- ⑧ Attach micro-clips to the igniter wires. Arrange the clips so they do not touch each other or the metal blast deflector. Attach clips as close to protective tape on igniter as possible.
- ⑦ Move back from your rocket as far as launch wire will permit (at least 15 feet).
- ⑥ INSERT SAFETY KEY to arm the launch controller.

Give audible countdown 5...4...3...2...1

LAUNCH!!! PUSH AND HOLD LAUNCH BUTTON
UNTIL ENGINE IGNITES

**REMOVE SAFETY KEY FROM LAUNCH CONTROLLER.
REPLACE SAFETY KEY AND SAFETY CAP ON LAUNCH ROD.**