ROCKET ASSEMBLY

- Mark engine spacer tube 1/4 inch from one end
- W spacer tube is even with the end of the body tube. Remove the enof the body tube with glue in it push engine block up into the end the engine spacer tube (yellow) Apply glue inside the body tube gine spacer tube IMMEDIATELY until the mark on the engine 1½ inches from one end. Using
- A Fine-sand balsa pre-cut sheet edges with sharp knife. Carefully remove fins by freeing

MARK TUBE AT ARROWS

W Stack fins together. Sand all edges smooth.

> ω

Cut out tube marking guide from guide around the tube. Secure it with tape. Mark tube at arrows front of instructions and wrap and remove guide and save.

(D)

BLOCK

W launch lug line. Connect marks with lines. Extend

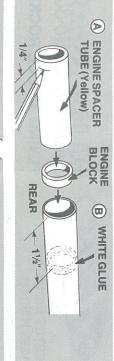
- Lay fins on pattern to find gluing (root) and front (leading) edges.
- W ing the next one.

 Adjust fins to project straight out Position and glue fins on aligndry several minutes before applyment lines one at a time. Let each
- 0 from tube.
- O. Do not set rocket on fins while glue is wet.

FINS MUST BE ATTACHED CORRECTLY FOR STABLE FLIGHT!

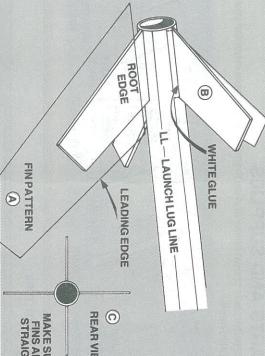
CT

launch lug line 11/4 inches from rear of tube as shown. Glue launch lug straight on

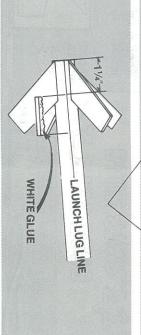








MAKE SURE FINS ARE STRAIGHT REAR VIEW



- 20 Cut shock cord mount from tube cord into glue. Fold over and apply glue to back of first section section 1 and lay end of shock lines by folding. Spread glue on marking guide. Crease on dotted Lay shock cord as shown and fold and exposed part of section 2
- œ Clamp unit together with fingers until glue sets. mount over again.

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

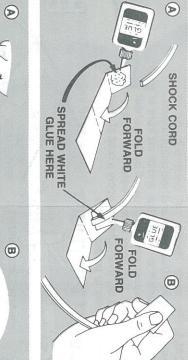
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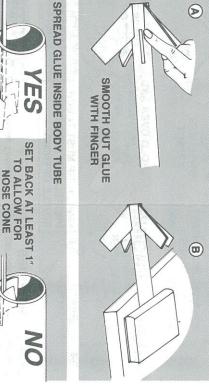
- A Apply glue inside front of body as shock cord mount. glued area should be same size 1 inch to 2 inches from end. The tube to cover an area no less than
- W Hold until glue sets

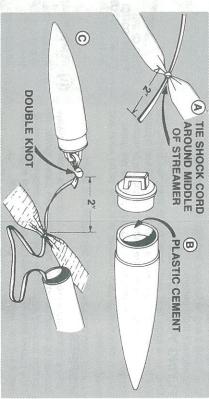
- A Using a double knot, tie the free middle of the streamer about 2 end of the shock cord around the inches from end of shock cord.
- W Apply plastic model cement (NOT the nose cone. Push the nose Let cement dry. cone insert into the nose cone white glue) around the inside of
- Tie end of shock cord to nose cone loop.

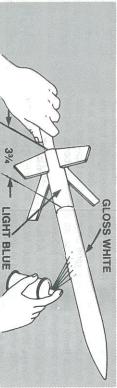
FINISHING YOUR ROCKET

overnight. Mask top of model and paint lower 334 inches of rocket light blue. Avoid lacquer paints. Allow model to small brush. When sealer is dry, lightly sand dry overnight before applying decals spray can for best results. Let paint dry white spray enamel. Follow instructions on all sealer surfaces. When sealer is completely dry, paint entire model with gloss Apply sanding sealer to part with



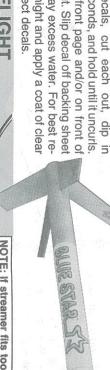






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sults, let decals dry overnight and apply a coat of clear panel for decal placement. Slip decal off backing sheet Refer to photograph on front page and/or on front of and onto model. Blot away excess water. For best relukewarm water for 20 seconds, and hold until it uncurls. DECALS: To apply decals, cut each out, dip









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





LAUNCH SUPPLIES

—An Estes model rocket launching system To launch your rocket you will need the following items

B6-6, C6-5, or C6-7 -Recommended Engines: 1/2A6-2, A8-3, A8-5, B4-4, B6-4 -Estes Recovery Wadding (No. 2274)

Use 1/2A6-2 engine for your first flight to become familiar with your rocket's flight pattern.

FLYING YOUR ROCKET

good visibility. Launch only during calm weather with little or no wind and ing your rocket: Football fields and playgrounds are great. low flying aircraft. Try to find a field at least 250 feet square. Choose a large field away from power lines, tall trees, and The larger the launch area, the better your chance of recover-

_aunch area must be free of dry weeds and brown grass

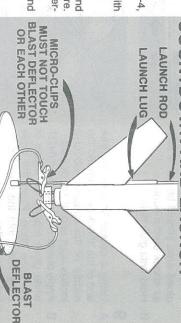
lant, it will only heat and not ignite the engine. if the coated tip is not in direct contact with the engine propelcaused by incorrect igniter installation. An Estes igniter will Failure of the model rocket engine to ignite is nearly always function properly even if the coated tip is chipped. However,

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

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

COUNTDOWN AND LAUNCH



6 REMOVE SAFETY KEY to disarm the launch controller

(9) to place rocket on launch pad. Make sure the rocket slides Remove safety cap and slide launch lug over launch rod treely on the launch rod.

(8) they do not touch each other or the metal blast deflector. Attach micro-clips to the igniter wires. Arrange the clips so Attach clips as close to protective tape on igniter as possi-

(4) Move back from your rocket as far as launch wire permit (at least 15 feet).

6 INSERT SAFETY KEY to arm the launch controller Give audible countdown...5...4...3...2...1...

Remove safety key—Replace cap on rod LAUNCH!!! BUTTON UNTIL ENGINE IGNITES PUSH AND HOLD LAUNCH

83915B



FLYING MODEL ROCKET

SHOCK CORD MOUNT 9/15/15

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LUG LUG SEC 3

ESTES INDUSTRIES

1295 H Street





SEC. 1

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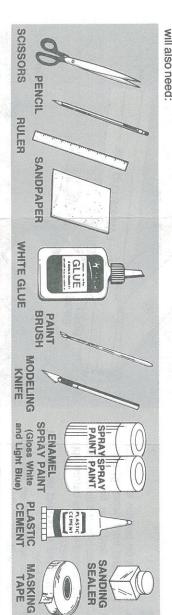
SEC. 2 Ż

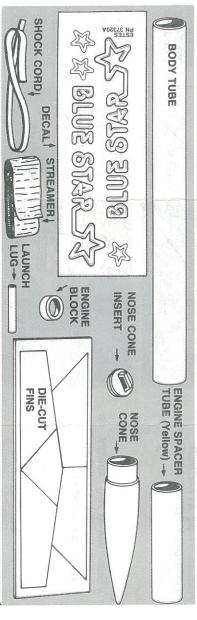
model. Make sure you have all parts and supplies. Test don't fit properly, sand as required for precision assemfit all parts together before applying any glue. If any parts Read all instructions before beginning work on your

TUBE MARKING GUIDE

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





page