



ESTES INDUSTRIES
1295 H STREET
PENROSE, CO 81240 USA

EX
SERIES

ScorpionTM

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11-96

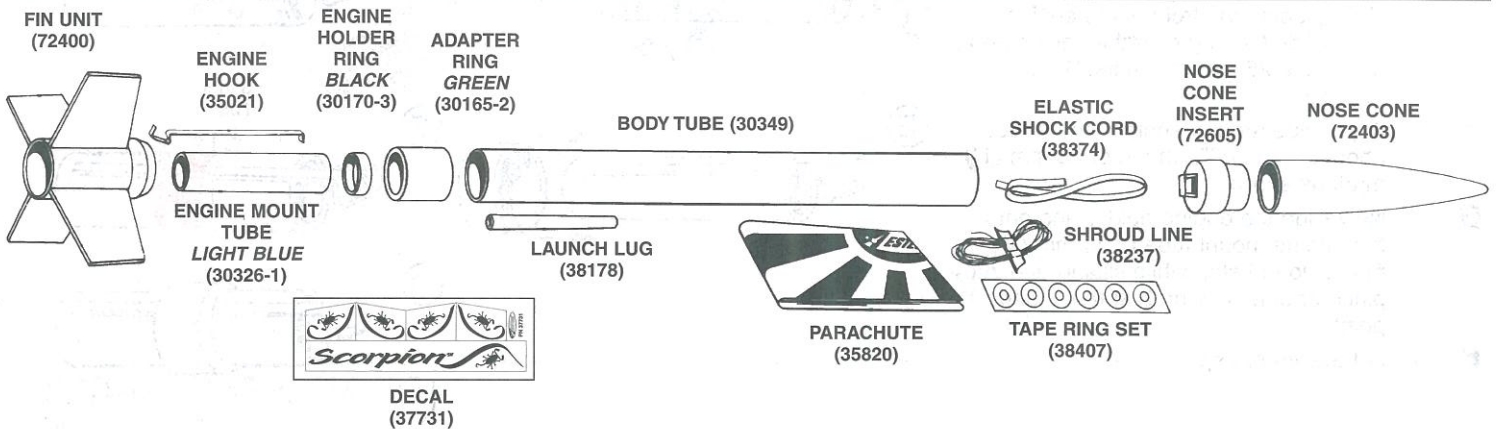


**FLYING MODEL ROCKET KIT
EST 1472**

HOW TO USE THESE INSTRUCTIONS:

READ ALL INSTRUCTIONS BEFORE STARTING WORK ON THIS MODEL

- A. This rocket, incorporating basic model rocketry construction techniques, will help you in the development of your rocketry modeling skills.
- B. **Read each step first** and visualize the procedure thoroughly in your mind before starting construction.
- C. Lay the parts out on the table in front of you. (Check inside the tubes for any small parts.)
- D. Use parts layout to match all parts contained in the kit.
- E. Collect all construction supplies that are not included in the kit.
- F. Shock cord mount is printed in the instructions and will be found on page 4 in the patterns section.
- G. Test fit parts before applying any glue.
- H. Sand parts as necessary for proper fit.
- I. The construction supplies required for each step are listed at the beginning of each step.
- J. Check off each step as you complete it.



EXTREMELY IMPORTANT: THE PARTS LAYOUT IS FOR REFERENCE ONLY! DO NOT USE THIS DRAWING ALONE TO ASSEMBLE THIS MODEL.

The parts layout is only intended to assist you in locating the parts included in this kit. Refer back to this parts layout as you build your model step by step. This method will help you to put the parts into perspective as you progress through the construction.

CONSTRUCTION SUPPLIES

In addition to the parts included in your kit, you will need these construction supplies. Each step shows which supplies will be required.



PENCIL



KNIFE



GLUE
(white or yellow)



RULER



SCISSORS



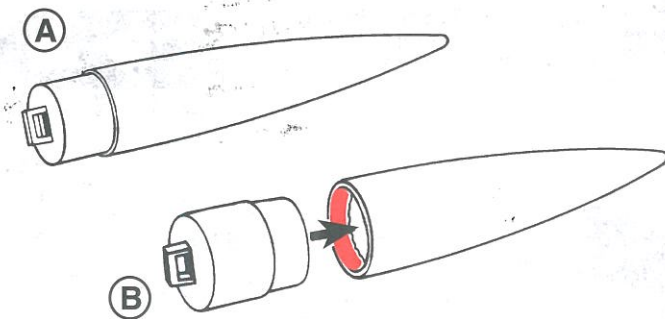
PLASTIC
CEMENT

GLUE IS APPLIED TO SURFACES SHOWN IN RED.

1. NOSE CONE ASSEMBLY



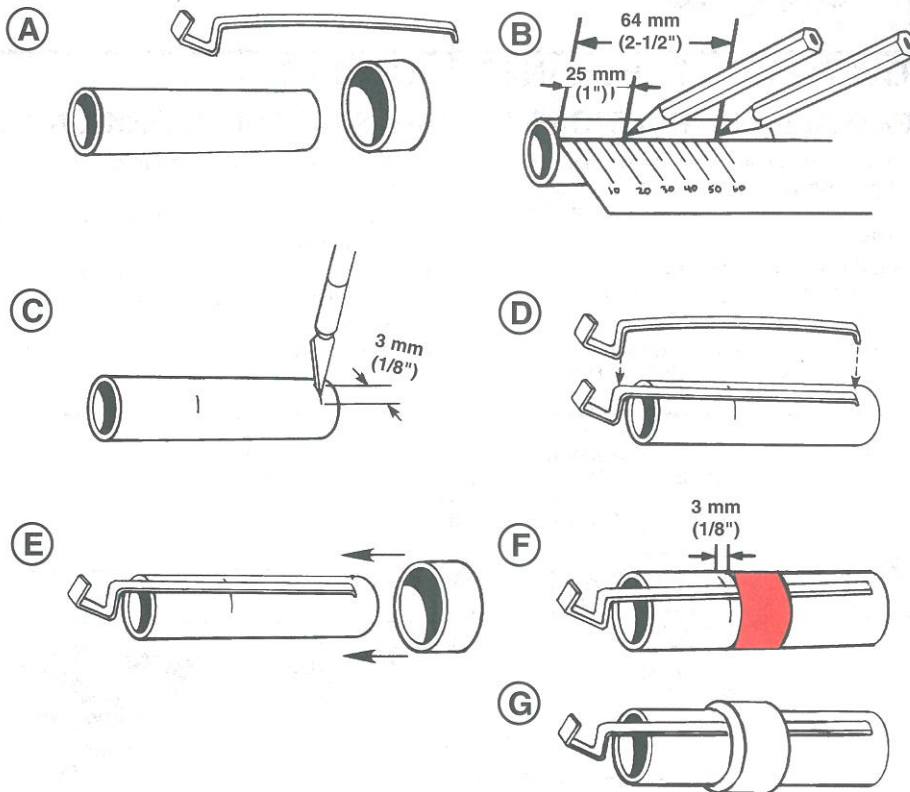
- Test fit the nose cone insert into the nose cone. **Do not glue at this time.** Remove the insert.
- Apply plastic cement as shown in the illustration and re-insert. Allow assembly to dry.



2. ENGINE MOUNT ASSEMBLY



- For this step you will need the light blue engine mount tube, the engine hook and the black engine holder ring.
- Place a mark on the engine mount tube at 25 mm (1") and 64 mm (2-1/2") from one end.
- Cut a 3 mm (1/8") wide slit at the 64 mm (2-1/2") mark.
- Insert the engine hook into the slit as shown. The engine hook should extend beyond the rear of the engine tube.
- Test fit the black engine holder ring by sliding it onto the front of the engine tube. Slide the ring over the engine hook and to the 25 mm (1") mark. Remove the ring.
- Apply glue around engine mount tube about 3 mm (1/8") ahead of 25 mm (1") mark as shown.
- Now slide the engine holder ring onto the engine mount tube to 25 mm (1") mark. Do not stop while sliding ring into place or glue may grab at the wrong point.
- Let assembly dry.



3. SHOCK CORD MOUNT ASSEMBLY



- Locate the shock cord mount below and cut out along the solid black outline.
- Crease on dotted lines by folding.
- Spread glue on section 2 and lay end of shock cord into glue at a slight angle as shown.
- Fold section 1 forward. Apply glue to section 3. Fold forward again.
- Clamp firmly with your fingers until glue dries.

