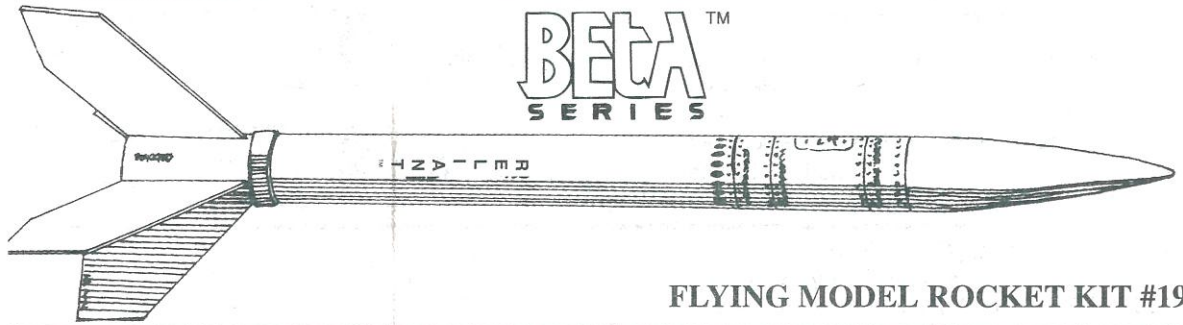




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**RELIANT™**

**BETA™**  
SERIES



**FLYING MODEL ROCKET KIT #1986**

**HOW TO USE THESE INSTRUCTIONS:**

**READ ALL INSTRUCTIONS BEFORE STARTING WORK ON THIS MODEL**

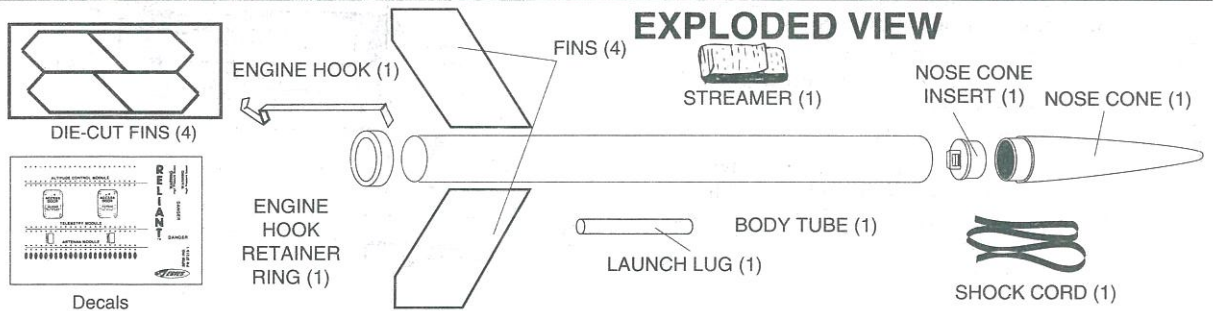
- A. This rocket, incorporating basic model rocketry construction techniques, will help you in the development of your rocketry modeling skills.
- B. **Read each step first** and visualize the procedure thoroughly in your mind before starting construction.
- C. Lay parts out on the table in front of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

**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.



**GLUE IS APPLIED TO SURFACES SHOWN IN RED.**



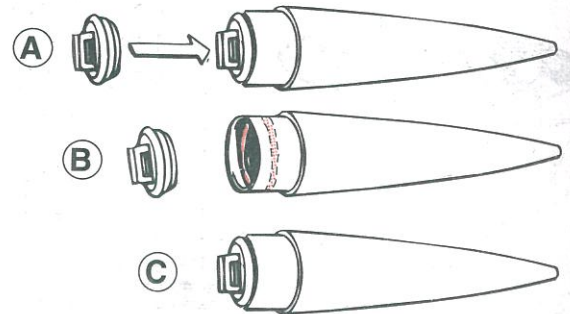
**EXTREMELY IMPORTANT: THE EXPLODED VIEW IS FOR REFERENCE ONLY! DO NOT USE THIS DRAWING ALONE TO ASSEMBLE THIS MODEL.** The exploded view is only intended to assist you in locating the parts included in this kit. Refer back to this exploded view as you build your model step by step. This method will help you to put the parts into perspective as you progress through the construction.

## 1. NOSE CONE ASSEMBLY



**NOTE:** This is the only step in the construction of your model rocket that requires plastic cement.

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

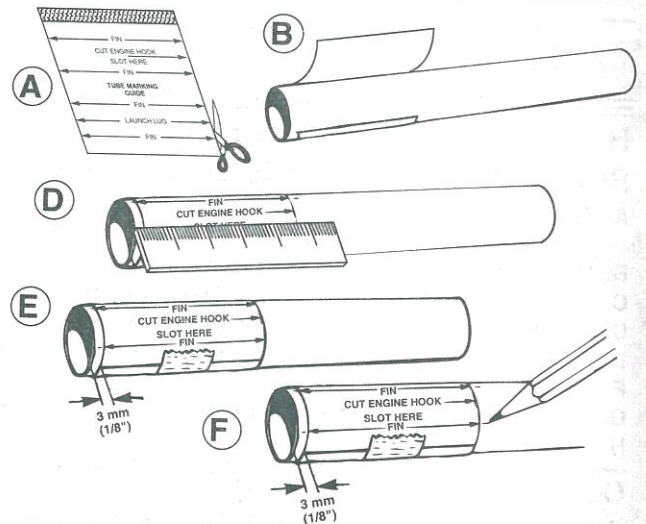


## 2. TUBE MARKING DETAIL

**HINT:** Fins can be glued on easier by lightly sanding the body tube with #600 grit sandpaper. Do this before you mark the body tube.



- A.  Locate the tube marking guide on page 7. Cut the guide along the outline.
- B.  Wrap marking guide around tube.
- C.  Locate the ruler on page 8 of this instruction sheet.
- D.  Lay one end of the body tube on the zero mark of the ruler.
- E.  Position guide on the tube 3 mm (1/8") from zero. Tape guide in place as shown.
- F.  Mark tube at all arrow locations. One line on your tube marking guide is labeled LL, this means launch lug. Write LL on the body tube for that line. **Do not remove marking guide.**



## 3. HOOK SLOTTING DETAIL



- A.  Printed on the marking guide is the note: "Cut engine hook slot here."
- B.  Cut a 3 mm (1/8") wide slit for the engine hook in the tube next to the arrowhead of this note as shown.
- C.  Remove marking guide.
- D.  Using the door frame as a guide, draw straight lines connecting each pair of fin marks. Extend these lines 76 mm (3") along the tube. Draw a 102 mm (4") line along the tube for launch lug.

