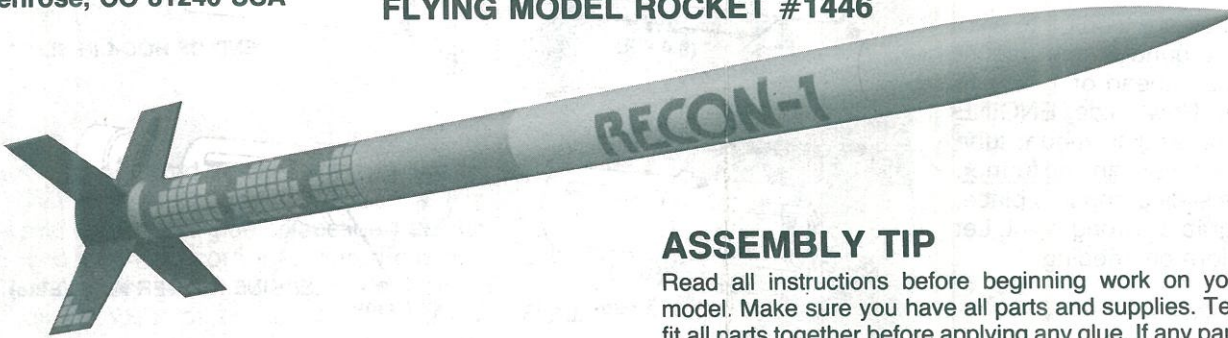
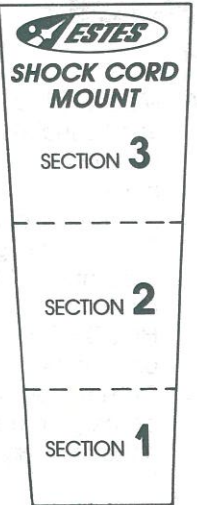




ESTES INDUSTRIES
1295 H Street
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RECON-1™

FLYING MODEL ROCKET #1446



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.

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:



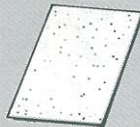
SCISSORS



PENCIL



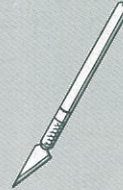
RULER



SANDPAPER



WHITE GLUE



MODELING KNIFE



ENAMEL SPRAY PAINT (Gloss Gray)



PLASTIC CEMENT



MASKING TAPE

KIT PARTS



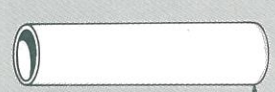
BODY TUBE ↑



ADAPTER RING ↑



ENGINE HOLDER RING



ENGINE MOUNT TUBE ↑



LAUNCH LUG ↑

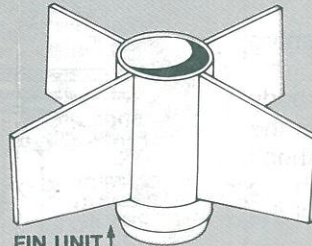


ENGINE HOOK ↑



NOSE CONE ↑

NOSE CONE INSERT



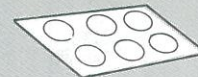
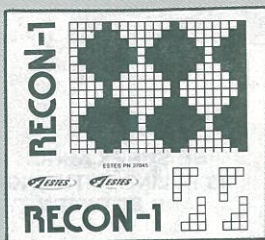
FIN UNIT ↑



PARACHUTE ↑

INSTRUCTION ↓

DECAL ↓



TAPE DISC SET ↑



SHOCK CORD ↑

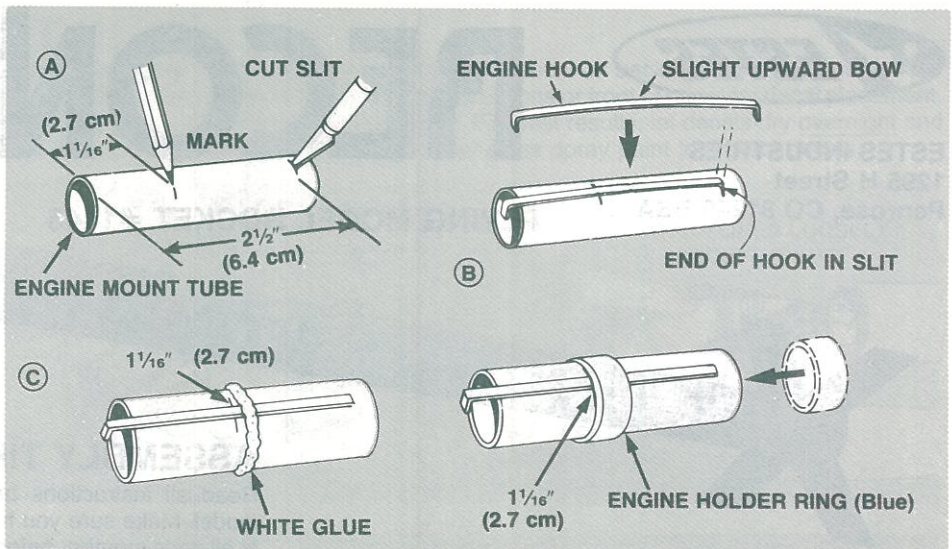


SHROUD LINE ↑

ROCKET ASSEMBLY

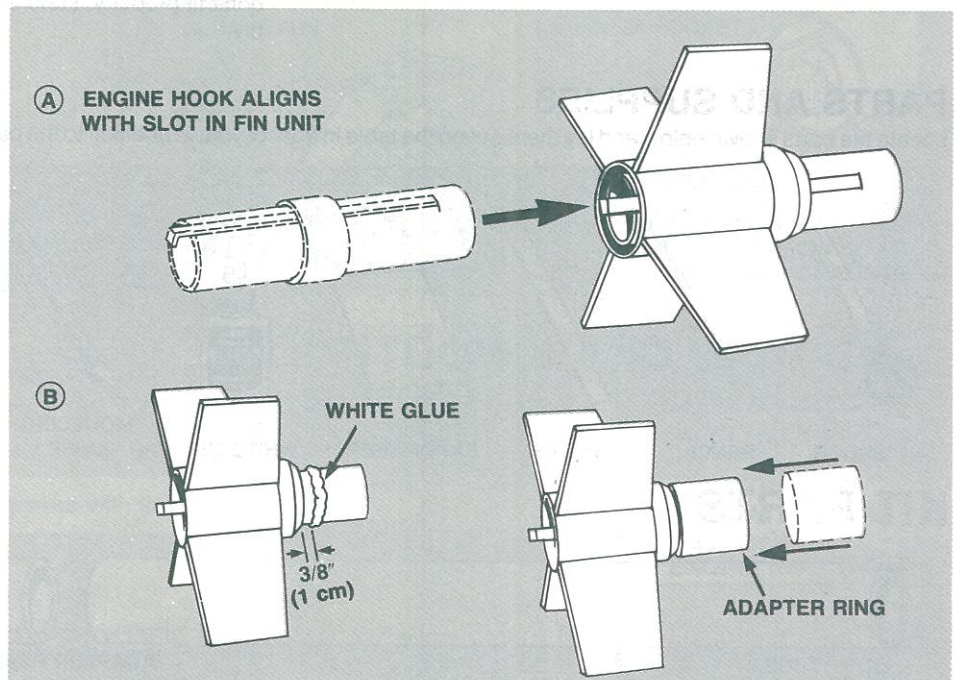
1

- Mark engine mount tube at $1\frac{1}{16}$ inch and at $2\frac{1}{2}$ inches from one end as shown. Now cut an $1/8$ inch long slit at $2\frac{1}{2}$ inch mark.
- Insert one end of engine hook into slit.
- Apply white glue around engine mount tube about $1/8$ inch ahead of $1\frac{1}{16}$ inch mark as shown. Now slide ENGINE HOLDER RING on engine mount tube back to the $1\frac{1}{16}$ inch mark and no further. Do not stop while sliding ring into place, or the glue may grab at wrong point. Let assembly dry before proceeding.



2

- Slide assembly from Step 1 fully into plastic fin unit from rear. The engine hook on engine mount tube will fit into slot in fin unit.
- Apply glue around engine tube $3/8$ inch ahead of fin unit as shown. Next, in one continuous movement, slide adapter ring onto engine mount all the way down to fin unit. Hold engine mount tube in place with thumb while sliding adapter ring into place.



3

- Lightly draw a straight line along entire length of the body tube as shown.
- Apply glue to inside of one end of body tube about $1/2$ inch from end. Align the line on body tube with the engine hook and in one continuous motion push the body tube over adapter ring and all the way down to the fins as shown.

