



TM #1987

ATA MISSILE



ESTES INDUSTRIES
1295 H STREET
PENROSE, CO 81240 USA

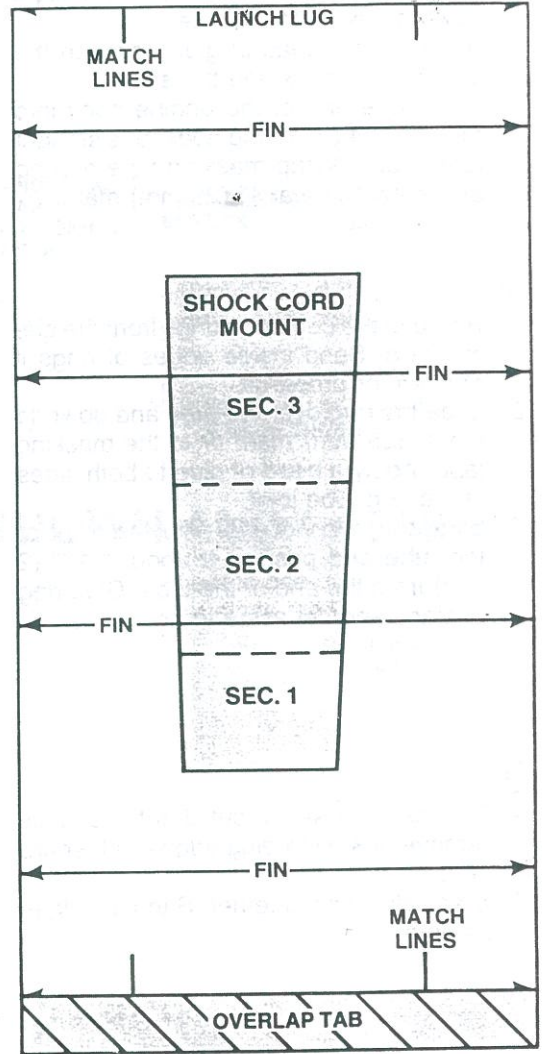
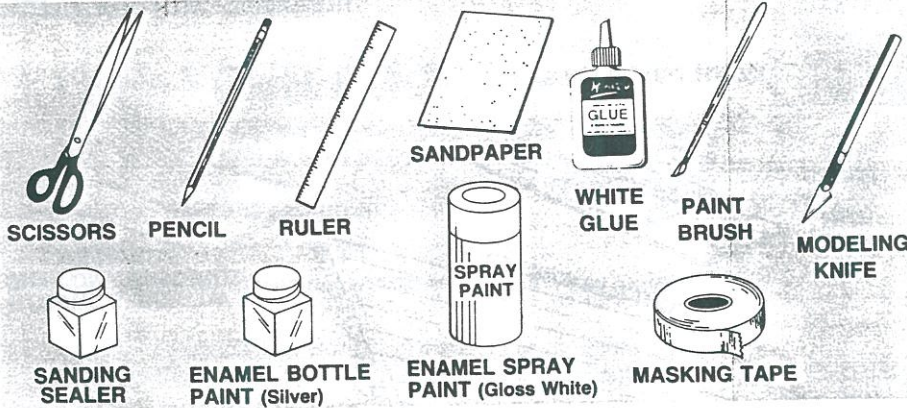


ASSEMBLY TIP

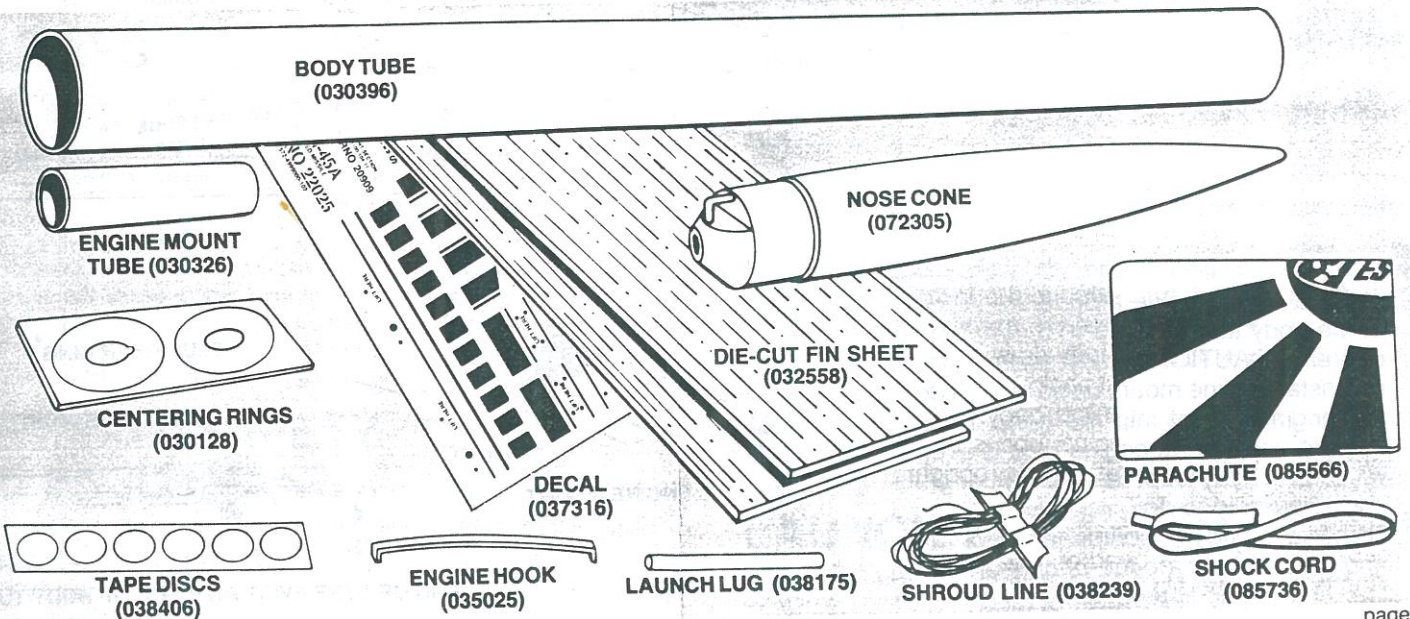
Read all instructions before beginning work on your model. Make sure you have all parts and supplies. Test-fit all parts together before applying any glue. If any parts don't fit properly, sand as required for precision assembly.

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:



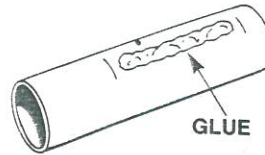
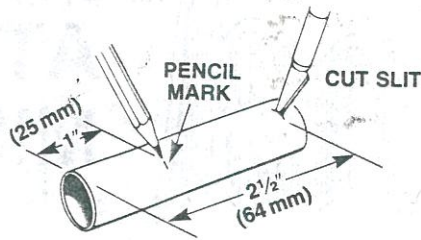
TUBE MARKING GUIDE



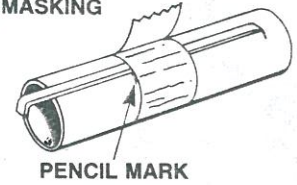
ROCKET ASSEMBLY

1

- Mark engine mount tube 1" (25 mm) and 2 1/2" (64 mm) from one end. Cut 1/8" (3 mm) long slit at 2 1/2" (64 mm) mark.
- Bend the engine hook so it has a slight upward bow in the middle.
- Apply a light bead of glue between the 1" (25 mm) mark and the slit.
- Insert one end of the engine hook into the slit. Make sure the hook runs straight along tube. Wrap masking tape around assembly twice at 1" (25 mm) mark.



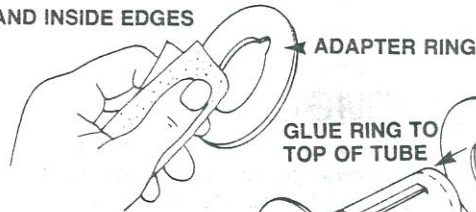
ATTACH HOOK WITH MASKING TAPE



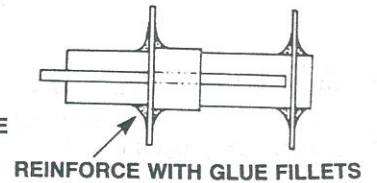
2

- Remove the centering rings from the die-cut card. Sand inside edges of rings if needed for proper fit.
- Slide the ring over the tube and down to the 1" (25 mm) mark or to the masking tape. Apply a bead of glue to both sides of the ring/tube joint.
- Slide the second ring onto the front of the tube and position it about 1/16" (2 mm) from the end of the tube. Glue ring in place and set aside to dry.

SAND INSIDE EDGES



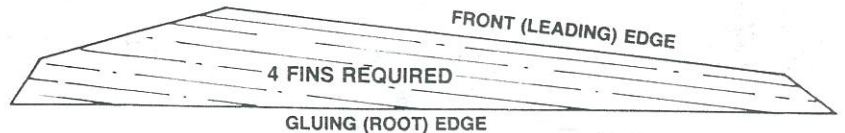
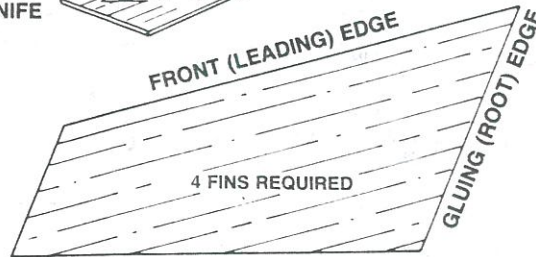
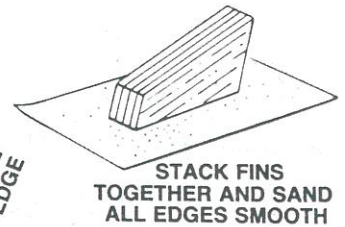
GLUE RING NEXT TO MASKING TAPE



3

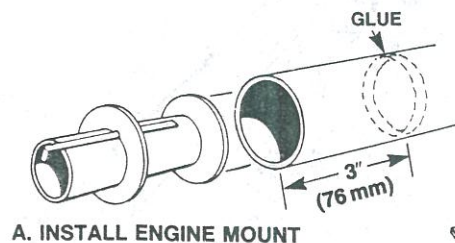
- Fine sand balsa die-cut sheet. Carefully remove fins by freeing edges with sharp knife.
- Stack alike fins together. Sand all edges smooth.

LIGHTLY SAND BALSA SHEETS



4

- Apply a bead of glue around the inside of the body tube about 3" (76 mm) from one end. CAUTION: Study drawing. Do not install engine mount backward. Slide the engine mount into the body. Push forward until end of engine tube is even with end of body tube. Stand body upright and allow glue to dry.
- Using a piece of scrap balsa for an applicator, apply a bead of glue around the rear ring/body tube joint.



B. GLUE REAR RING

