

# BIG BERTHA

ESTES INDUSTRIES ROCKET PLAN NO. 13

Assemble the engine mount and glue it in place in the rocket body. Be sure the engine block end of the mount is inserted into the tube first, with the clear end of the mount projecting out of the end of the rocket as shown.

Cut out the fins. Sand the sides of the fins until smooth and sand all edges except the edge that is attached to the body until smooth and round. Mark the tube and glue the fins in place. Glue the launching lug to the body tube.

Cut two slits in the forward end of the body, 1" and 1-1/4" from the front. Pass one end of the shock cord through the slits and glue in place.

Attach the screw eye to the nose cone. Assemble the parachute and tie it and the free end of the shock cord to the screw eye.

When flying Big Bertha pack a large piece of wadding into the body, then pack the parachute and shroud lines in loosely over the wadding. Secure the engine in place by wrapping tape tightly all the way around the outside of the engine holder tube, overlapping from the tube to the exposed part of the engine. Use only B.8-2 and B.8-4 engines.

## PARTS LIST

- 1 Nose Cone ..... #BNC-60L
- 1 Body Tube ..... #BT-60
- 1 Screw Eye ..... #SE-1
- 1 Shock Cord ..... #SC-1
- 1 Parachute ..... #PK-18
- 1 Launching Lug ..... #LL-1C
- 2 Sheets Balsa Stock ... #BFS-30
- 1 Engine Mount Kit .... #EH-2060
- Flameproof Wadding ..... #RP-1

