## BERTHA BNC-60L Nose Cone 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. SE-1Cut out the fins. Sand the sides of the fins until smooth Screw Eye and sand all edges except the SC-1 edge that is attached to the body Shock Cord 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 FIN PATTERN of the body, 1" and 1-1/4" from FULL SIZE the front. Pass one end of the shock cord through the slits and glue in place. THIS Attach the screw eye to the nose cone. Assemble the parachute and EDGE tie it and the free end of the PK-18 shock cord to the screw eye. 18" Chute When flying Big Bertha pack a large piece of wadding into the ROCKET body, then pack the parachute and shroud lines in loosely over the Secure the engine in wadding. BODY place by wrapping tape tightly all the way around the outside of the engine holder tube, overlapping from the tube to the ex-RP-1posed part of the engine. Use 18" Wadding 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 -LL-1C 1 Launching Lug ..... #LL-1C 2 Sheets Balsa Stock ... #BFS-30 l Engine Mount Kit .... #EH-2060 Flameproof Wadding ..... #RP-1 TOP VIEW Fins BFS-30 (4 required) EB-20A ·BT-20J Glue adapter rings to JT-60, let dry. Center 20~60 BT-20J in rings and glue. Glue Adapter Rings EB-20A in forward end, glue JT-60entire assembly in rocket. ENGINE HOLDER ASSEMBLY