



# TOP SECRET

Skill Level 2

DESIGN OF THE MONTH WINNER  
 BY BRET SIMPKINS  
 Albuquerque, New Mexico  
 ESTES INDUSTRIES ROCKET PLAN NO 78

★ BUILD THE TOP SECRET WITH ESTES HIGH PERFORMANCE PARTS AND ACCESSORIES

**PARTS LIST**

- 1 BODY TUBE – BT-20B
- 1 BODY TUBE – BT-5
- 1 NOSE CONE – BNC-20N
- 1 FIN STOCK – BFS-20
- 1 ENGINE BLOCK – EB-20A
- 1 PARACHUTE KIT – PK-8
- 1 SCREW EYE – SE-2
- 1 SHOCK CORD – SC-1
- 1 LAUNCH LUG – LL-2A
- 2 WEIGHTS – NCW-1

**ADDITIONAL MATERIALS**

- Hobby Knife
- White Glue
- Ruler
- Sanding Material
- Sanding Sealer
- Enamel Paint (Spray)
- Sharp Pencil

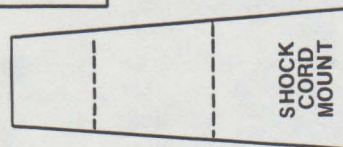
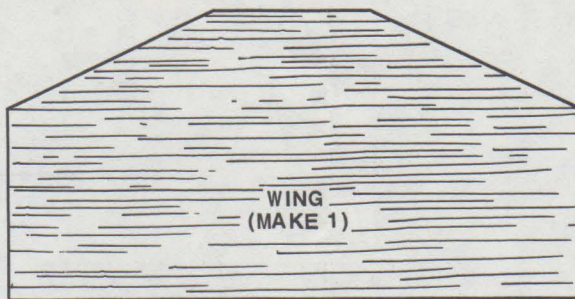
**RECOMMENDED ENGINES**

- A8-3
- B6-4
- C6-5

**5** a. Trace fin patterns onto balsa sheet as shown in the fin layout.



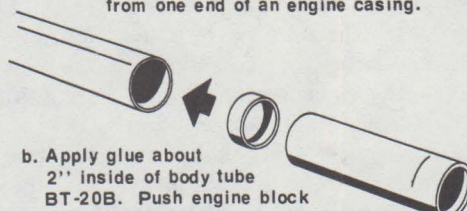
- b. Glue rudder fins onto wing fin as shown.
- c. After glue dries, sand all areas.
- d. Glue completed wing assembly to BT-20B body tube.



**1** a. Cut body tubes to specified lengths.  
 BT-20B - - 6 3/4"  
 BT-5 - - 2" (Make two).

b. Mark body tube BT-20B using the tube marking guide. Mark full length of tube with straight lines.

**2** a. Using a pencil, make a mark 1/4" from one end of an engine casing.

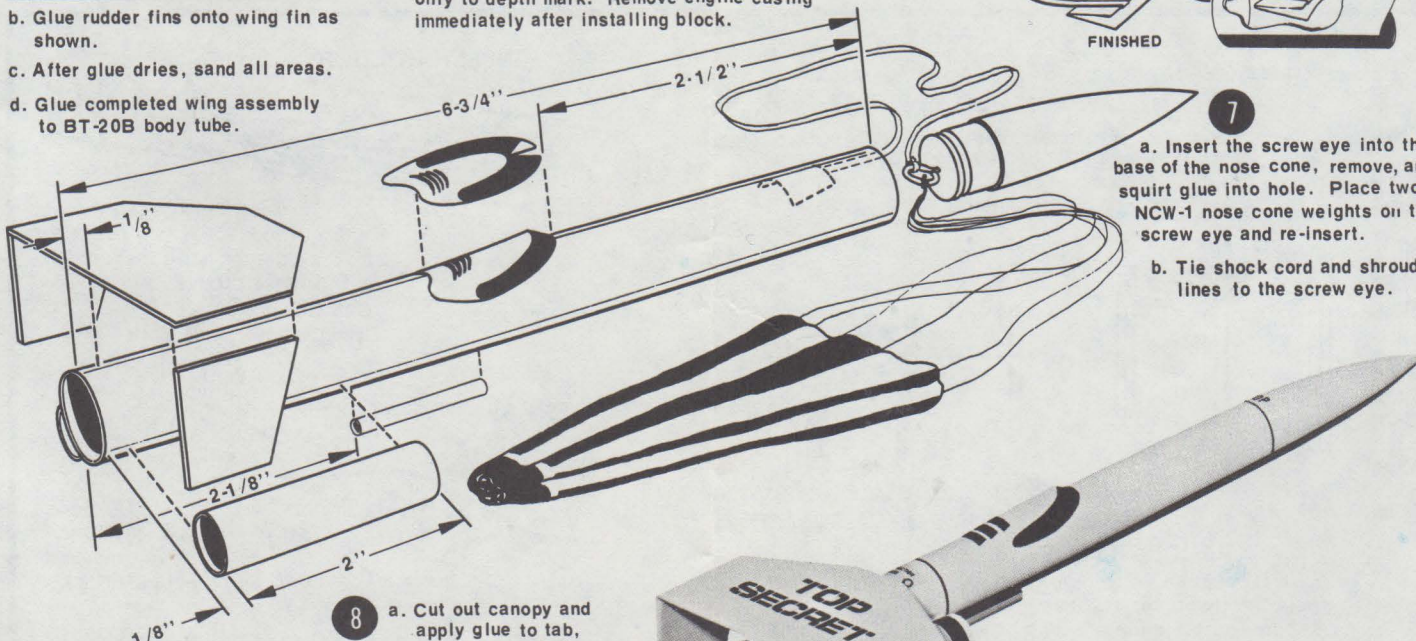
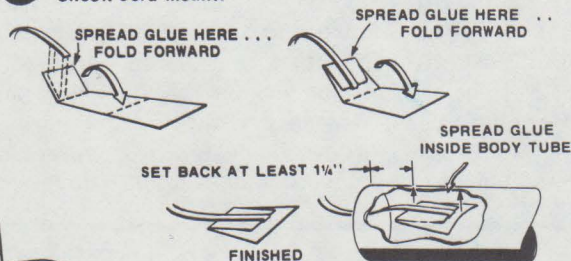


b. Apply glue about 2" inside of body tube BT-20B. Push engine block into BT-20B using engine casing. Push only to depth mark. Remove engine casing immediately after installing block.

**3** a. Glue BT-5 body tubes 1/8" from the end of the BT-20B body tube which contains the engine block.  
 b. Glue launch lug on BT-20B. 2-1/8" from rear.

**4** Assemble parachute kit according to its instructions.

**6** Cut out and install shock cord mount.



**7** a. Insert the screw eye into the base of the nose cone, remove, and squirt glue into hole. Place two NCW-1 nose cone weights on the screw eye and re-insert.  
 b. Tie shock cord and shroud lines to the screw eye.

**8** a. Cut out canopy and apply glue to tab, bring canopy halves together over tab.  
 b. Glue canopy on top of BT-20B body tube 2-1/2" from front.

