

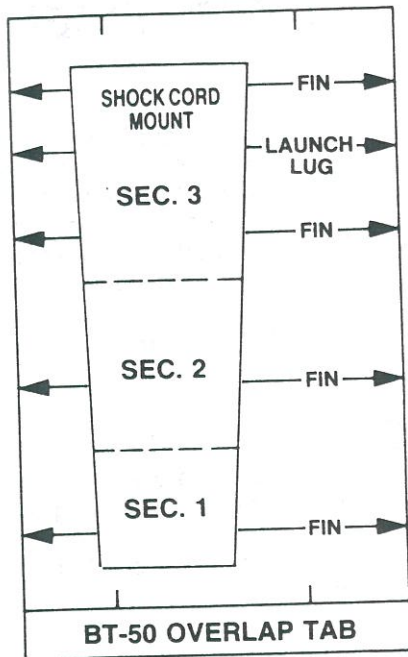
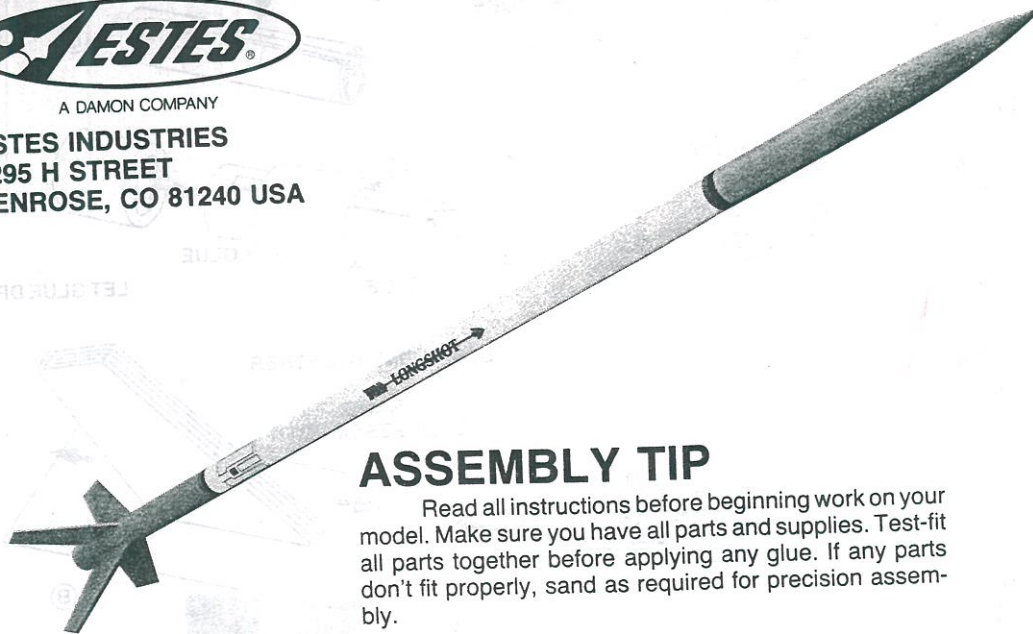
LONGSHOT

#1980



A DAMON COMPANY

ESTES INDUSTRIES
1295 H STREET
PENROSE, CO 81240 USA

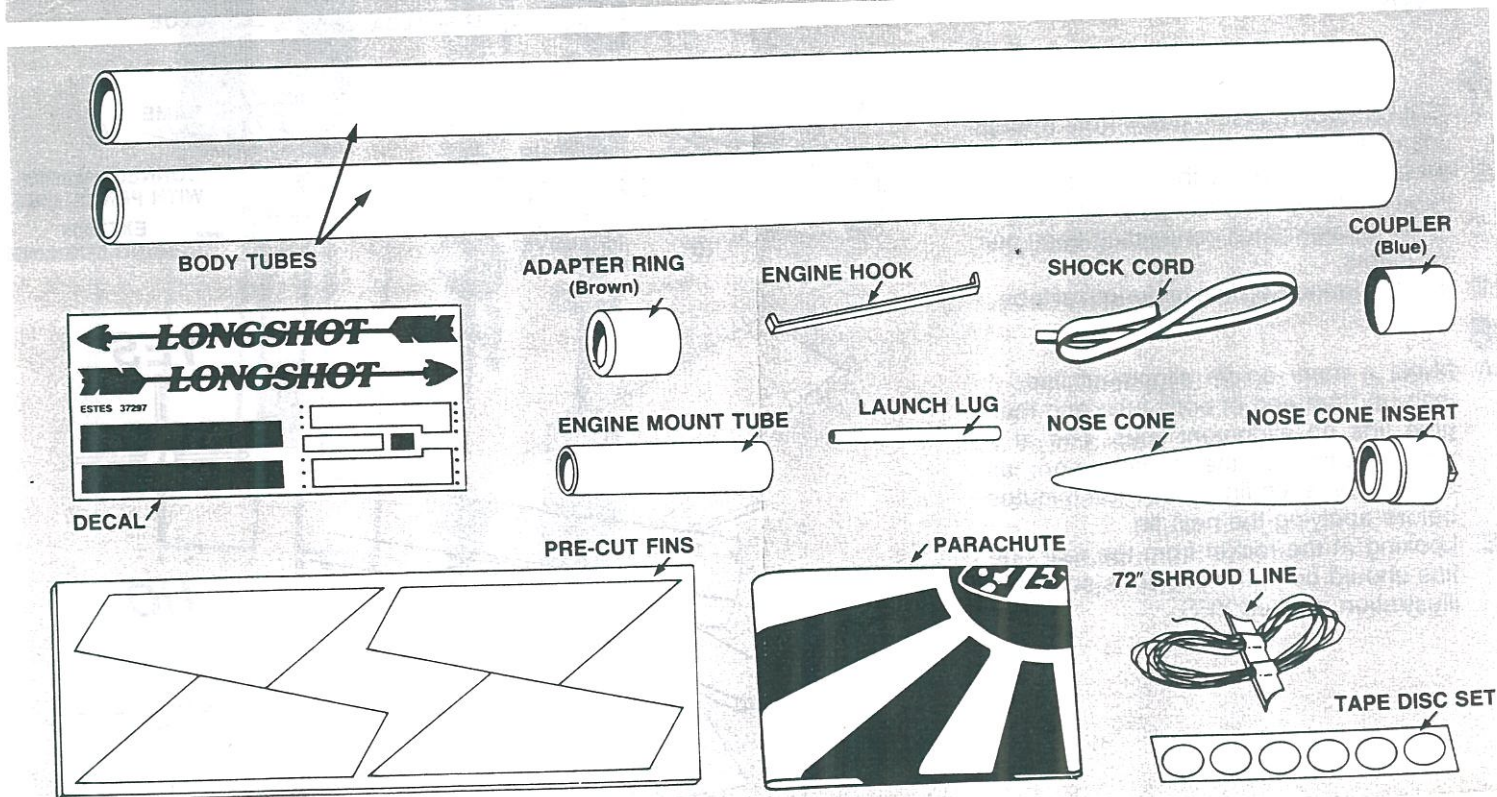
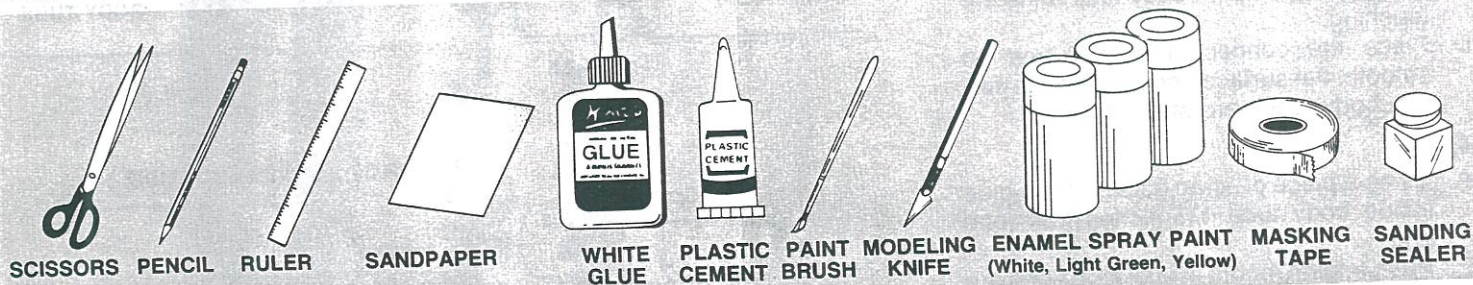


ASSEMBLY TIP

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

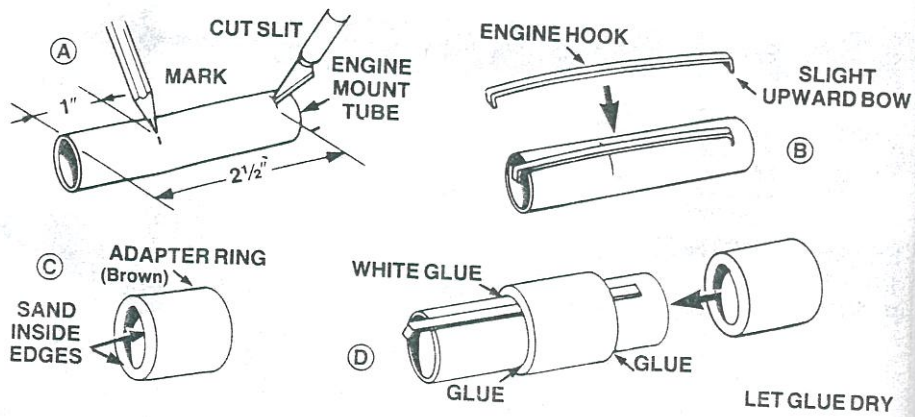
Locate the parts shown below and lay them out on the table in front of you. In addition to the parts included in the kit you will also need:



ROCKET ASSEMBLY

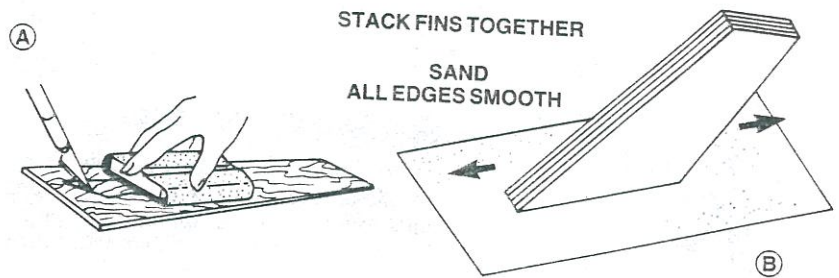
1

- Mark engine mount tube 1 inch and 2½ inches from one end and then cut 1/8 inch long slit at 2½ inch mark.
- Insert one end of engine hook into slit.
- Sand inside edges of adapter ring.
- Slide adapter ring onto tube as shown to the 1 inch mark and then glue both ends of ring to tube.



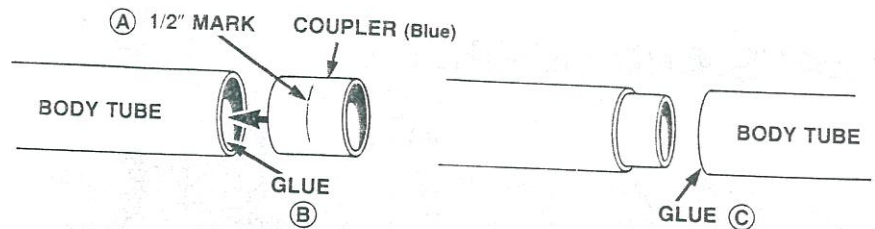
2

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



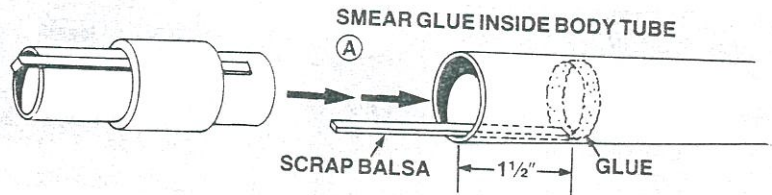
3

- Mark coupler tube 1/2 inch from end.
- Apply glue to inside edge of body tube as shown and insert coupler to 1/2 inch mark. Let glue dry before proceeding.
- Apply glue to one end of remaining body tube and insert exposed coupler into body tube until both body tube ends are touching.
- Place the connected body tubes on smooth, flat surface and roll to make certain body tubes are straight.



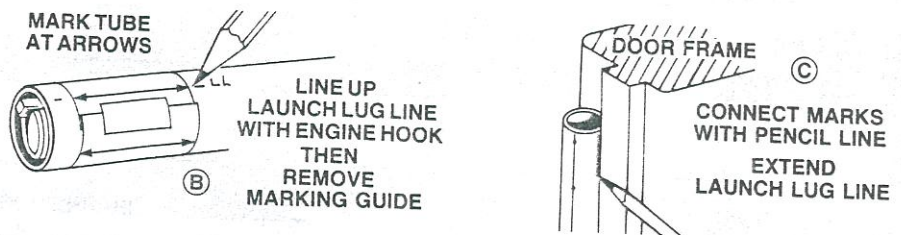
4

- Using a piece of scrap balsa, smear glue inside body tube 1½ inches from one end.
- Push engine mount in until tube ends are even.



5

- Cut out tube marking guide from front of instructions.
- Wrap guide around the tube and mark tube at arrows. Remove guide and save.
- Draw straight lines connecting each pair of marks.
- Extend launch lug line full length of tube.



6

- Make a mark on fin alignment lines 1 inch up from end of body tube and then glue fins on alignment lines, one at a time, starting at the 1 inch mark as shown. Let each fin dry several minutes before applying the next fin.
- Looking at the rocket from the rear, the fins should be in the positions shown in illustration marked YES.

