

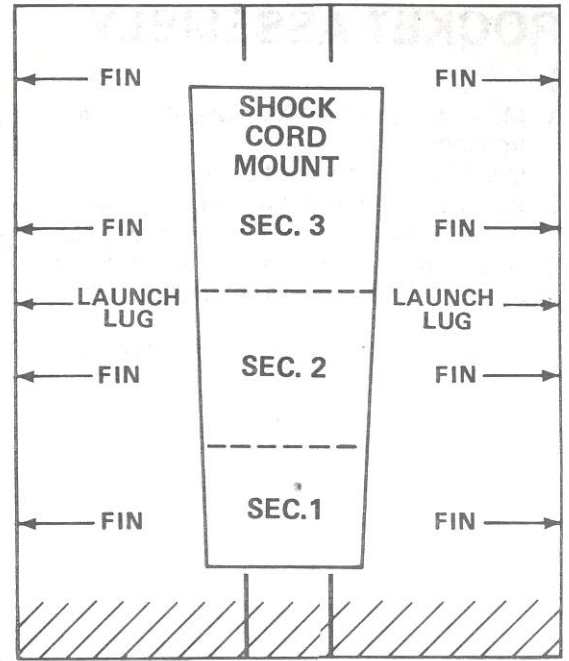


A DAMON COMPANY

ESTES INDUSTRIES  
1295 H STREET  
PENROSE, COLORADO 81240 USA

# Halley's Tail

#1952



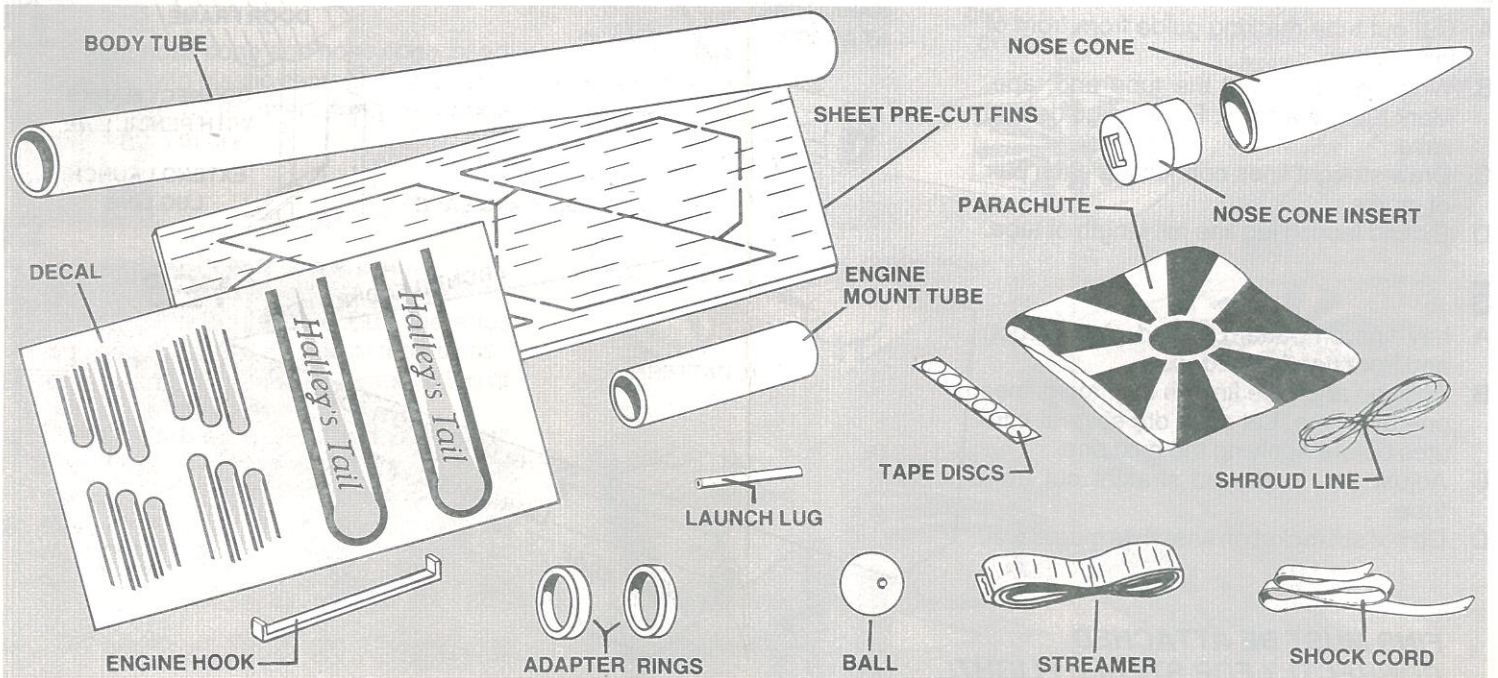
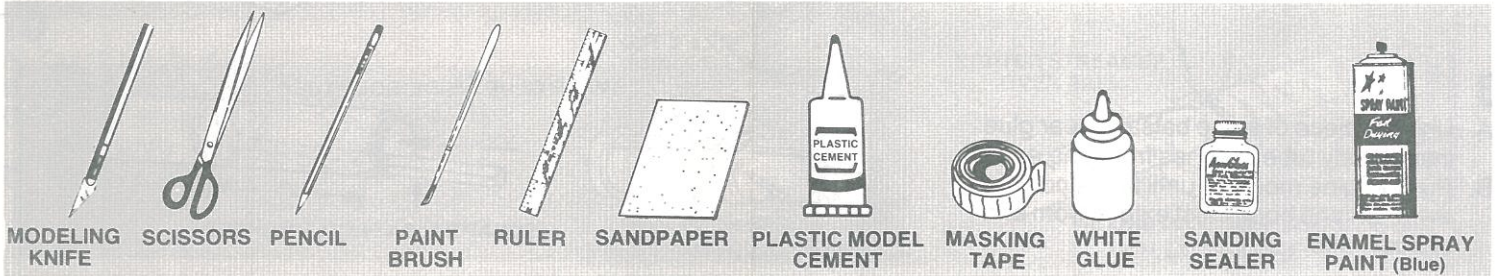
TUBE MARKING GUIDE

## 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

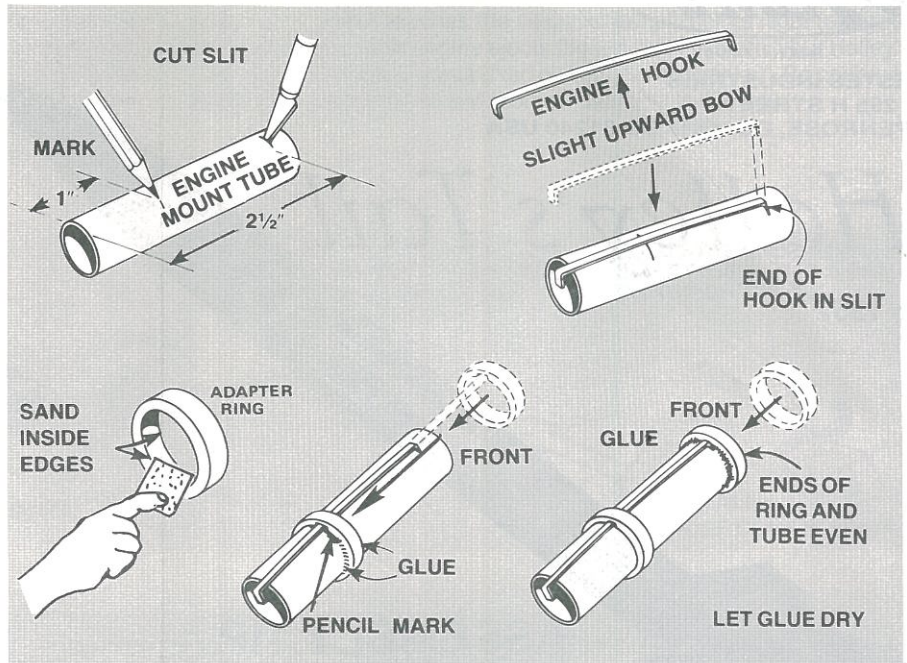
Locate the parts shown below and lay them out on the table in front of you. In addition to the parts included in the kit you will also need:



# ROCKET ASSEMBLY

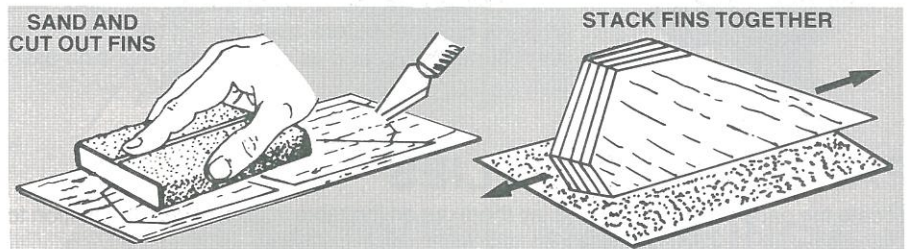
1

- Mark spacer tube 1 inch and 2½ inches from one end.
- Cut 1/8 inch long slit at 2½ inch mark.
- Insert one end of engine hook into slit.
- Sand inside edges of both adapter rings.
- Slide one ring onto front of tube and down to 1 inch mark. Glue both sides of ring/tube joint.
- Apply glue around front of tube. Slide remaining ring into place.



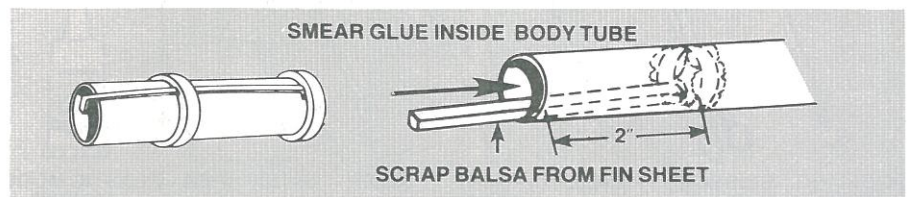
2

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



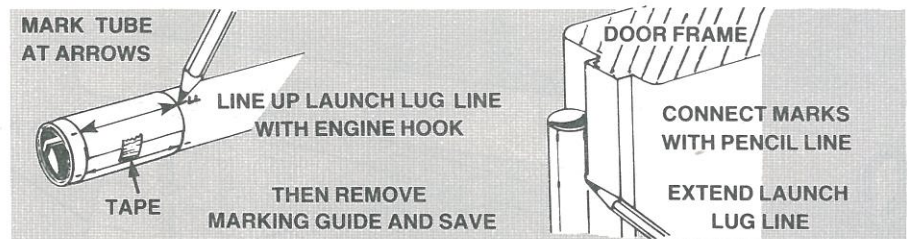
3

- Using a piece of scrap balsa, smear glue inside body tube 2 inches from one end.
- Push engine mount in until tube ends are even. Engine hook must extend from end of body tube.



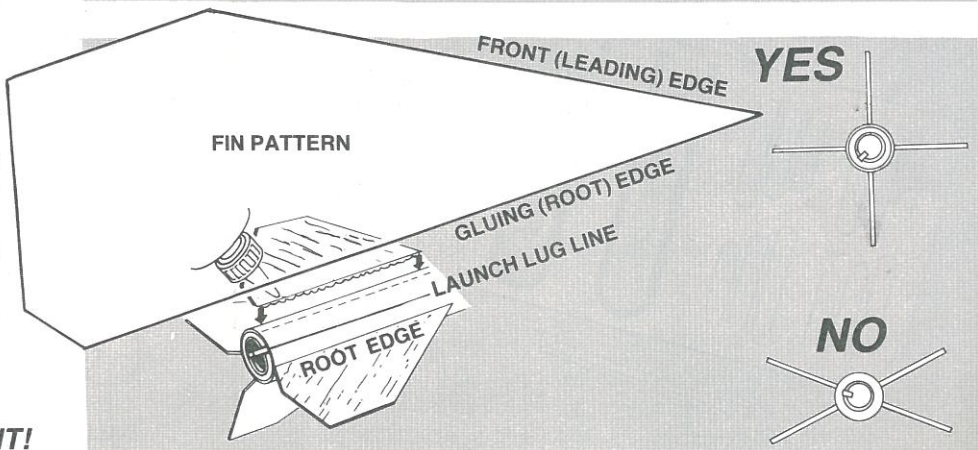
4

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



5

- Lay fins on pattern to find gluing (root) and front (leading) edges.
- Position and glue fins on alignment lines one at a time. Let each dry several minutes before applying the next one.
- Adjust fins to project straight out from tube.
- Do not set rocket on fins while glue is wet.



**FINS MUST BE ATTACHED CORRECTLY FOR STABLE FLIGHT!**