

ESTES® INDUSTRIES 1295 H Street Penrose, CO 81240 PRINTED IN CHINA

EST 1261



FLYING MODEL ROCKET KIT INSTRUCTIONS KEEP FOR FUTURE REFERENCE.

ASSEMBLY TIP

Read all instructions before beginning work on your model. Make sure you have all parts and supplies.

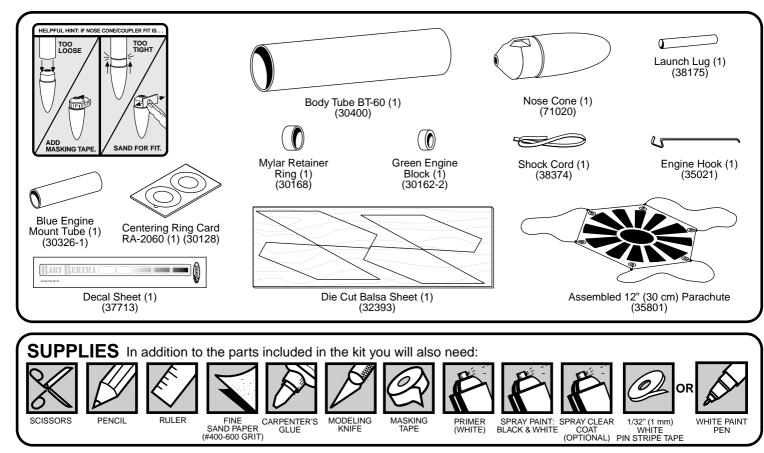
BABY BERTHA

TEST-FIT ALL PARTS TOGETHER BEFORE APPLYING ANY GLUE. If any parts don't fit properly, sand as required for precision assembly.

PARTS:

Locate the parts shown below and lay them out on the table in front of you. **DO NOT USE THIS DRAWING TO ASSEMBLE YOUR ROCKET.**

L TUBE MARKING GUIDE AND SHOCK CORD MOUNT



LAUNCH LUG

FIN

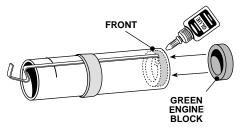
MATCH LINES

1. ASSEMBLING ENGINE MOUNT

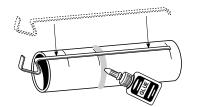
A. Measure and mark Engine Tube.

B. Cut 1/8" (3 mm) slit at 2 1/2" (64 mm) mark. 1/8" (3 mm) 1/8" (3 mm) 1/2" BLUE ENGINE MOUNT TUBE (13 mm) 1 1/4" (3 mm) (64 mm) (64 mm)

E. Apply glue inside front of Engine Mount Tube. Insert Green Engine Block.



C. Apply glue around tube just ahead of the 1 1/4" (32 mm) mark. Position Hook.



F. Apply glue around tube at 1/2" (13 mm) mark and slide notched Ring into place. Let glue set Apply glue around end of tube and slide unnotched Centering Ring in place flush with tube end.

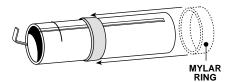
1/2'

(13 mm)

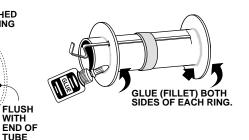
NOTCHED

CENTERING

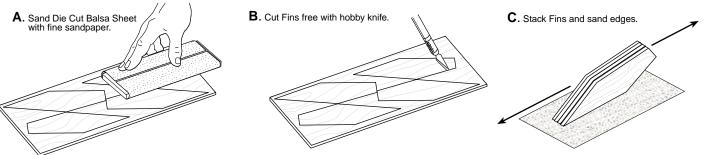
D. Slide Mylar Retainer Ring onto Engine Mount Tube up to 1 1/4" (32 mm) mark.



G. Apply glue fillets to both sides of Centering Rings. Let glue dry completely.

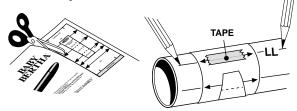


2. PREPARING FINS



3. MARKING FIN AND LAUNCH LUG LINES

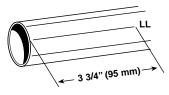
A. Cut out Tube Marking Guide from front page. Tape Tube Marking Guide around Body Tube. Mark Body Tube at arrows and Launch Lug line "LL".



- **B.** Remove the guide and save for step 6. Connect Fins and Launch Lug lines (arrows) using door frame as shown.
 - DOOR FRAME TOP VIEW

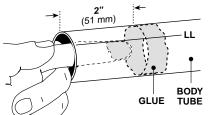
UNNOTCHED CENTERING RING

C. Extend Launch Lug line 3 3/4" (95 mm) from end of tube.

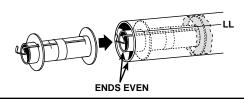


4. INSERTING ENGINE MOUNT

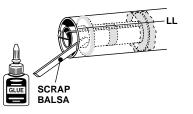
A. Use finger to smear glue 2" (51 mm) inside rear of Body Tube.

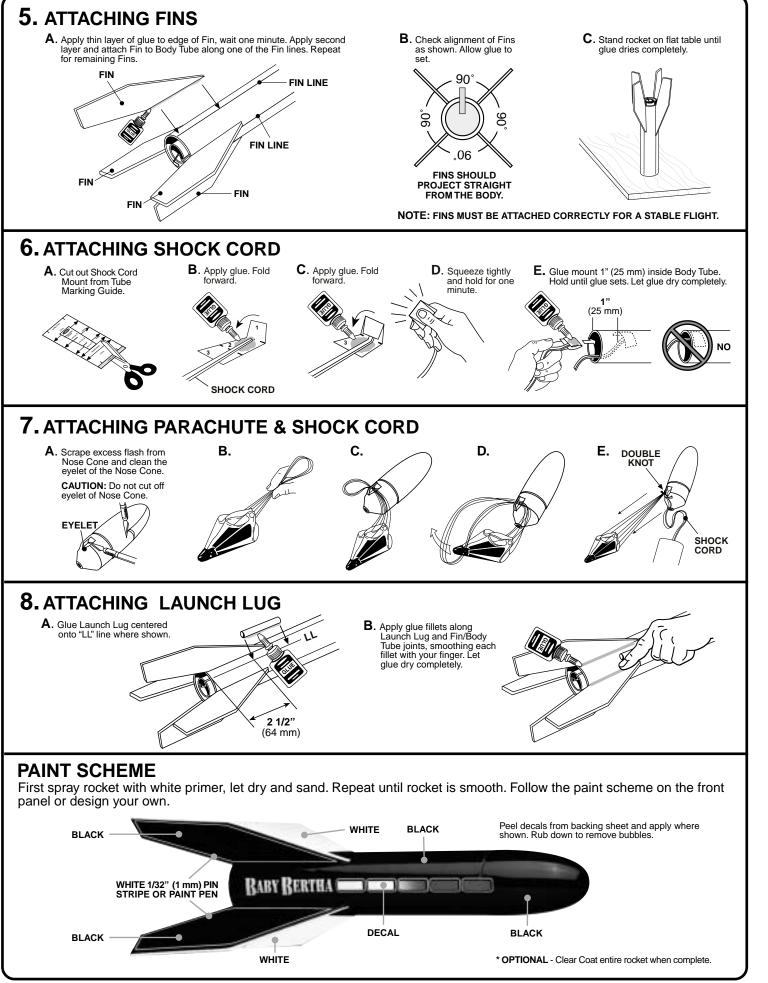


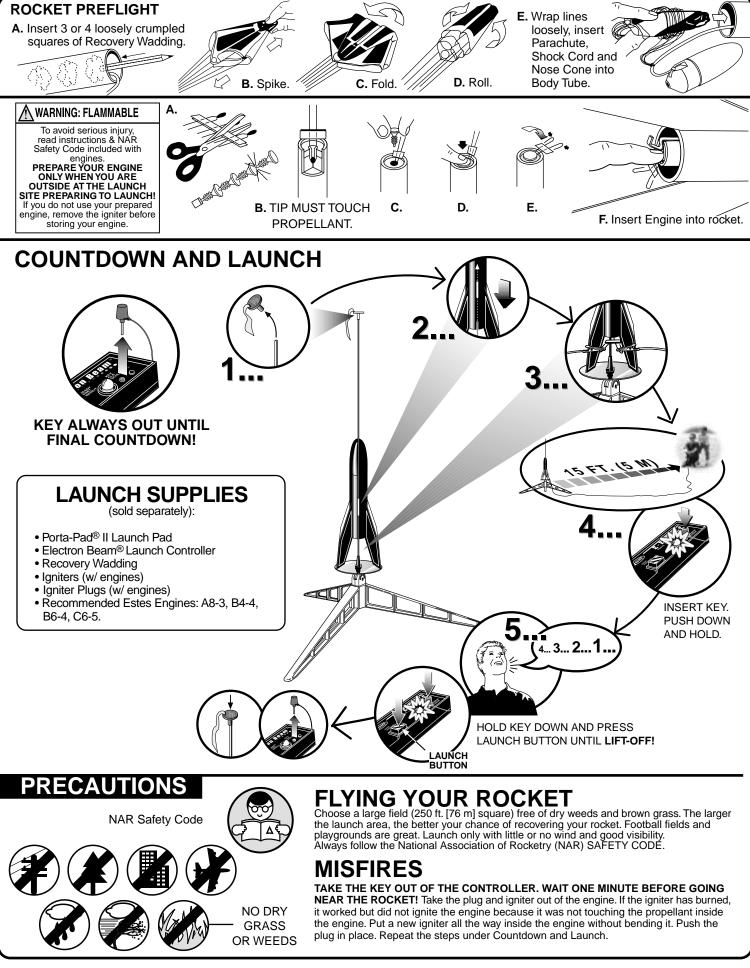
B. Align Engine Hook with Launch Lug line and insert Engine Mount until Engine Tube is even with Body Tube end.



C. Use a scrap piece of balsa to apply a glue fillet to Centering Ring/Body Tube joint.







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