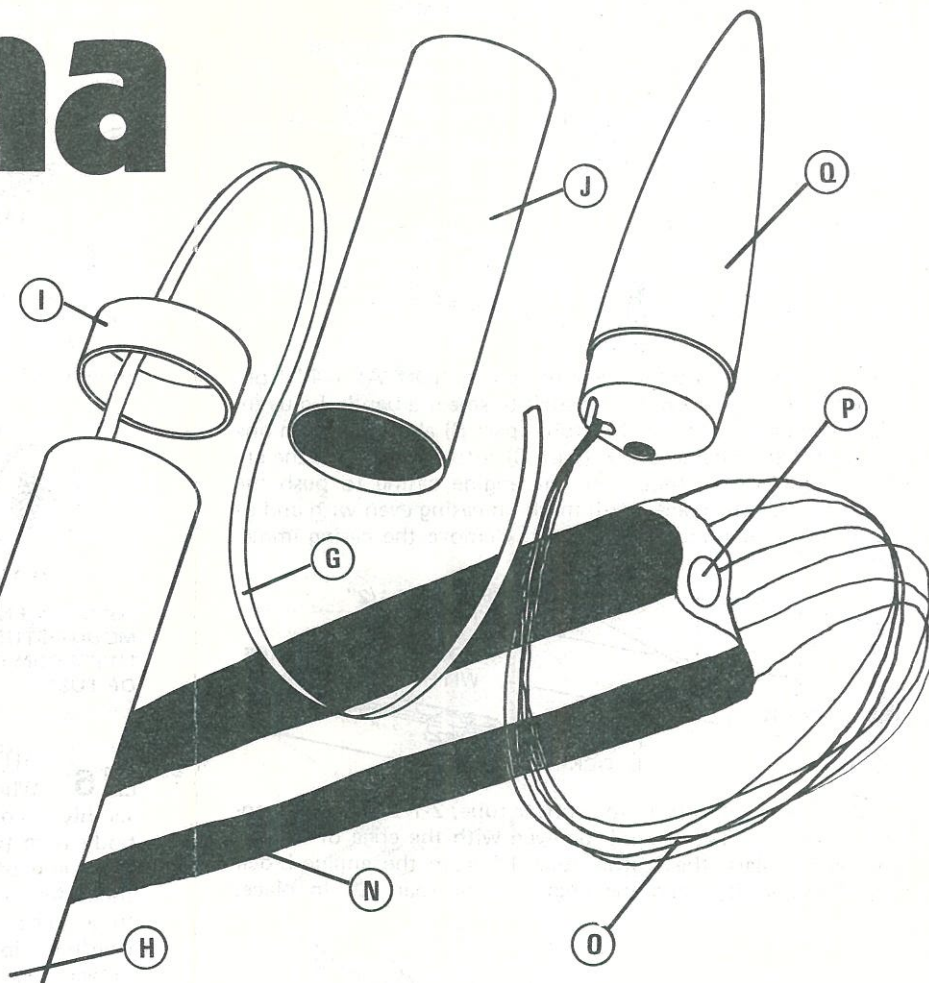
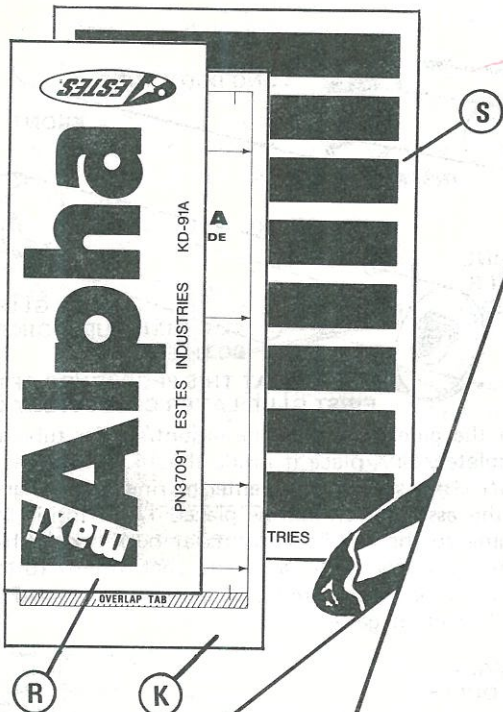


maxi Alpha

KIT NO. 1291

Skill Level 2

This kit recommended for intermediate skilled rocketeers.



PARTS LIST

		PART NO.
A)	1	Dummy Engine Casing (type EC-6) 35012
B)	1	Engine Mount Tube (type BT-50L) 12.75" long .. 30366
C)	1	Engine Block (type AR-2050) 30164
D)	1	Engine Hook (type EH-2)..... 35025
E)	1	Retainer Tube (type BT-52S) 4.0" long 30380
F)	2	Centering Rings (type TA-69) 30052
G)	1	Shock Cord (type SC-2MJ) 85738
H)	1	Main Body Tube (type BT-80KD) 14.2" long 30433
I)	1	Tube Coupler (type JT-80C) 30274
J)	1	Forward Body Tube (type BT-80) 7.6" long 30432
K)	1	Pattern Sheet (type SP-91)..... 83233
L)	3	Die-Cut Balsa Sheet (type BF-91)..... 32295
M)	1	Launch Lug (type LL-3B) 38166
N)	1	Parachute (type PK-24A) 85568
O)	1	Shroud Line (type SLT-144) 144.0" long 38241
P)	6	Tape Discs (type TD-3F) 38406
Q)	1	Nose Cone (type PNC-80K) 71035
R)	1	Decal (type KD-91A) 37091
S)	1	Decal (type KD-91B) 37092

In addition to the parts included in this kit you will need scissors, a pencil, a ruler, white glue, a sharp model knife (or single edge razor blade), sandpaper, masking tape, sanding sealer, and paint.

IMPORTANT:

Read all instructions before beginning work on your model. Make sure you have all parts and materials. When you are thoroughly familiar with the assembly procedure, begin construction. Check off each step as you complete it. In each step, test-fit the parts together before applying any glue. If some part doesn't fit properly, sand lightly or build up as appropriate for precision assembly.

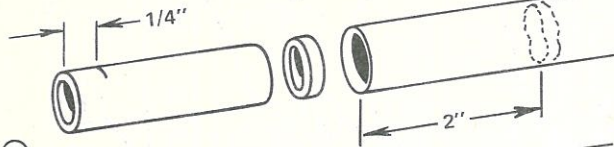


ESTES INDUSTRIES
PENROSE, COLO. 81240

A SUBSIDIARY OF DAMON

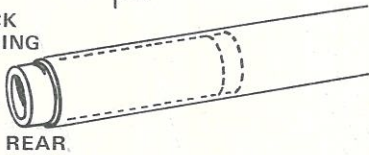
ASSEMBLY INSTRUCTIONS

(A) SMEAR GLUE INSIDE TUBE

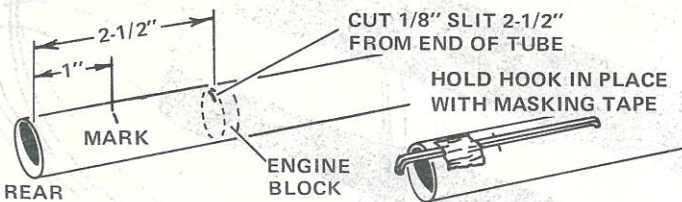


(B) PUSH ENGINE BLOCK INTO TUBE WITH CASING

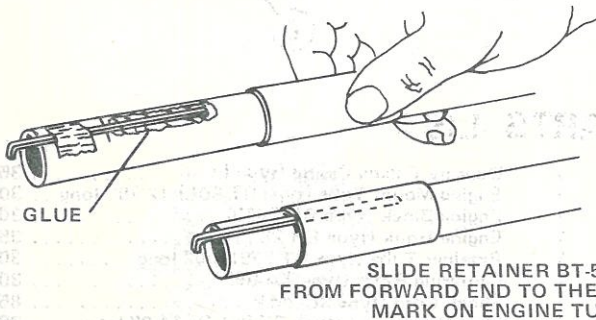
(C) WITHDRAW CASING IMMEDIATELY



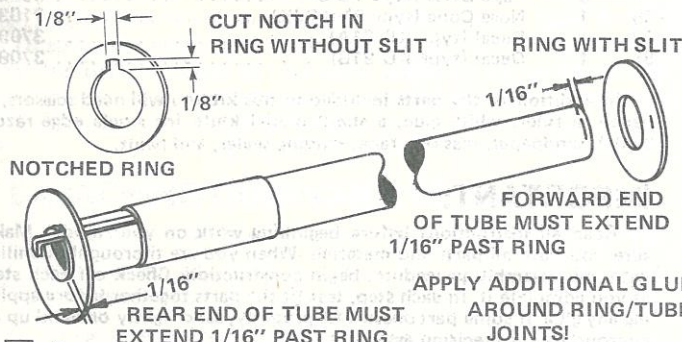
1 Mark the dummy engine casing (part A) 1/4" from one end. Use your finger or a stick to smear a band of glue inside the engine mount/stuffer tube (part B) about 2" from one end. Insert the engine block (part C) into same end of the engine mount/stuffer tube. Use the engine casing to push the engine block into place (with mark on casing even with end of tube) with one smooth movement. Remove the casing immediately.



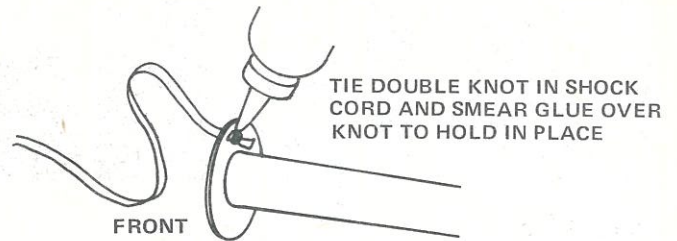
2 Cut a 1/8" slit in the stuffer tube, 2-1/2" from the engine block end. The slit will be even with the edge of the engine block. Mark the stuffer tube 1" from the engine block end. Temporarily tape the engine hook (part D) in place.



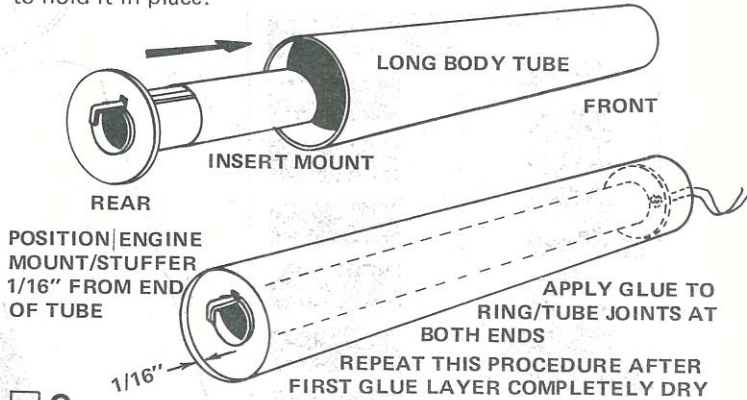
3 Apply a heavy line of glue on the engine hook from the 1" mark forward to the point where the engine hook enters the stuffer tube. Slip the engine hook retainer tube (part E) onto the forward end of the stuffer tube and slide it back over the engine hook to the 1" mark. Wipe away any excess glue and remove the tape from the engine hook.



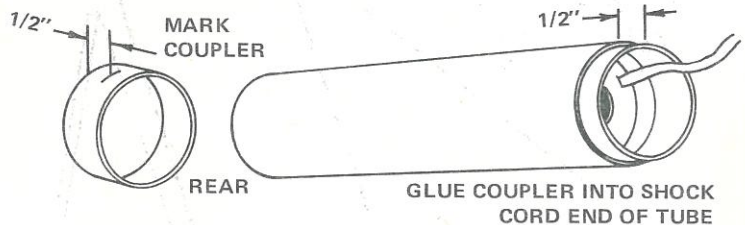
4 Remove the centering rings from the ring set (part F). Cut a 1/8" wide, 1/8" long notch in the ring without the slit. Place the rings on the stuffer tube as shown. The stuffer tube should project 1/16" past the centering rings at each end. Glue centering rings securely in place and allow to dry. Apply a second layer of glue to both sides of each ring for strength.



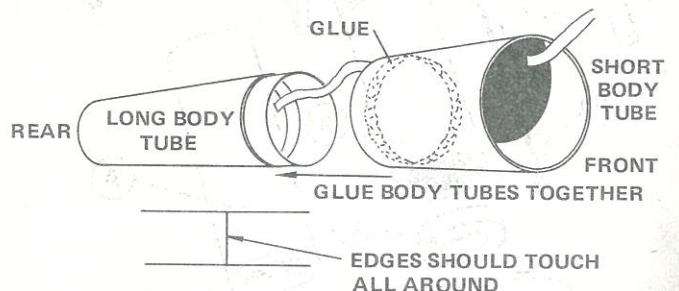
5 Tie a secure double knot at one end of the shock cord (part G). Slip unknotted end through the slit in the forward centering ring. Pull the knot tightly against the back of the ring as shown. Apply a heavy coating of glue over the knot to hold it in place.



6 When the glue on the engine mount/stuffer tube assembly is completely dry, place it inside the 14.2" long main body tube (part H) as shown. The centering ring at the engine hook end of the assembly should be placed 1/16" inside the tube. Apply glue to the ring/tube joints at both ends. After these joints are fully dry, apply a second coat of glue to the ring/tube joints. These joints must be completely sealed to prevent loss of ejection gasses.



7 Mark the tube coupler (part I), 1/2" from one edge. Smear a band of glue inside the main body tube about 1/4" in from the shock cord end. Insert the tube coupler and push until the mark is even with the end of the tube. Be sure the tube coupler is installed squarely as shown.



8 Smear a band of glue around the inside of one end of the forward body tube (part J), about 1/4" from the end. Slide this end of the tube over the tube coupler attached to the main