

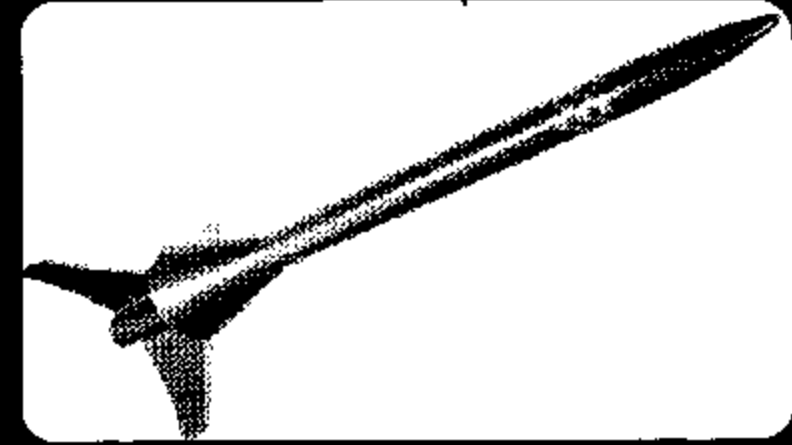
Estes Industries Rocket Plan No. 66

SCOTT - B

JUNE '69

DESIGN OF THE MONTH WINNER

by David M. Olsen Platteville, Wisc.



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PARTS LIST

1	Nose Cone	BNC-20N
1	Body Tube	BT-20B
1	Body Tube	BT-20G
3	Body Tube	BT-20M
2	Engine Block	EB-20A
1	Sheet Balsa Stock	BFS-30
1	Centering Ring	RA-2050
1	Shock Cord	SC-1
1	Screw Eye	SE-1
1	8" Parachute Kit	PK-8
1	Launching Lug	LL-2B
2	Nose Cone Weights	NCW-1

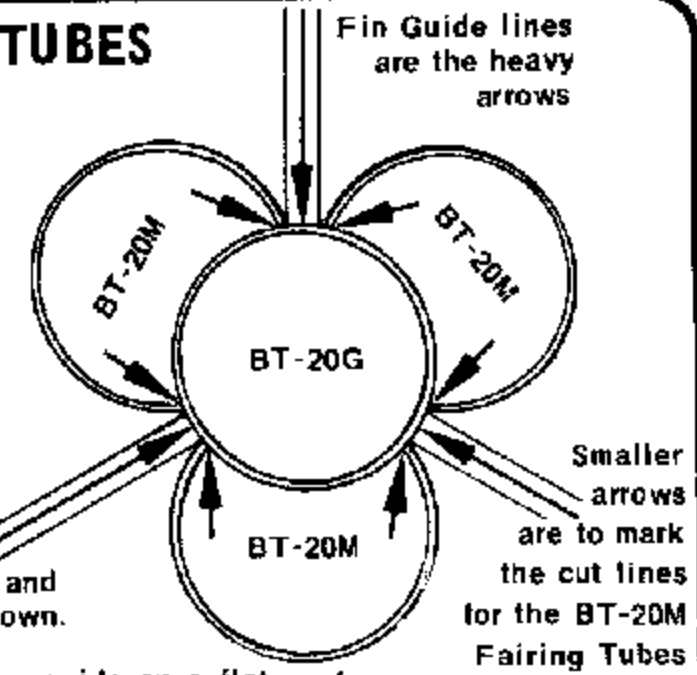
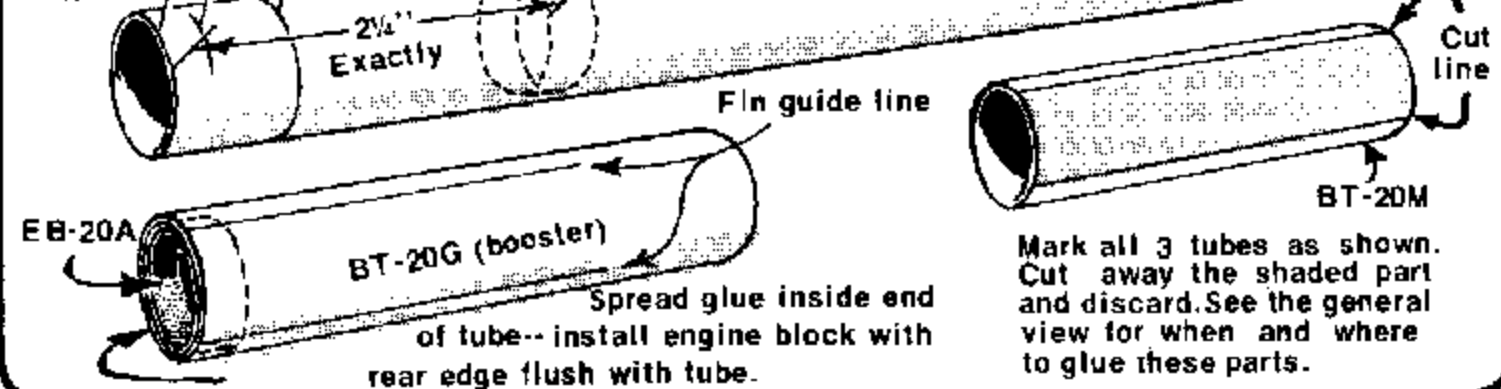
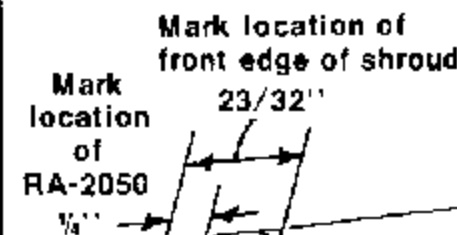
In addition to the parts above you will need scissors, white glue, a model knife (or razor blade), masking tape, paint brush and paint or dope. Also postcard and carbon paper.

1 MEASURE, MARK AND CUT TUBES

Install Engine Blocks

Draw all location marks and guide lines on all tubes as instructed for each below.

Install both engine blocks as shown. Mark an old engine 1/2" from one end--hold it by the end closest to the mark and use to position upper stage engine block.



Spread glue inside body tube and locate an engine block as shown.

Lay guide on a flat surface. Place tube over proper part of guide and mark as instructed.

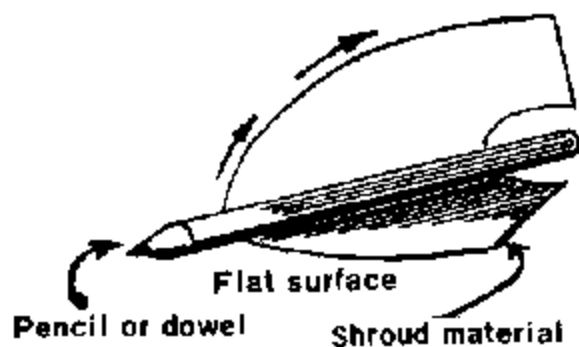
PATTERNS 'N' INFO

2

STABILIZER SHROUD PATTERN

Trace onto heavy paper or postcard material, cut out, form and glue. See general view for location and fitting.

Shroud forming is easier when you pre-form the shroud--hold a pencil or dowel firmly against the shroud material...



...gently, but firmly, pull the shroud up and across the pencil, forming a shallow, uniform curve in the shroud. Repeating will deepen the radius of the curve.

A great amount of finishing preparation can be done before the fins are glued in place...

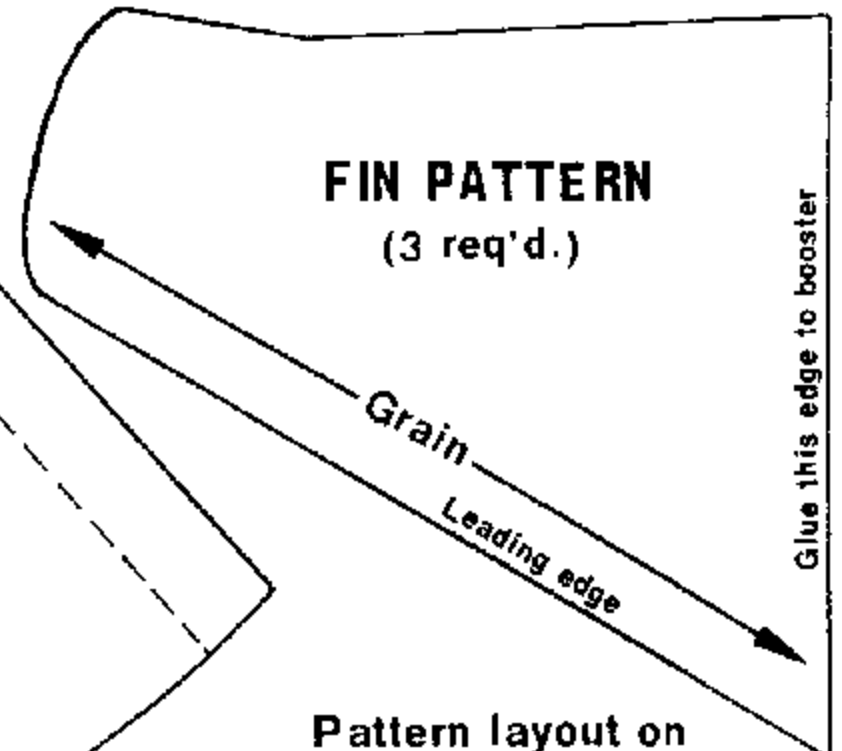


This edge is sanded flat--it will be glued to the booster tube.

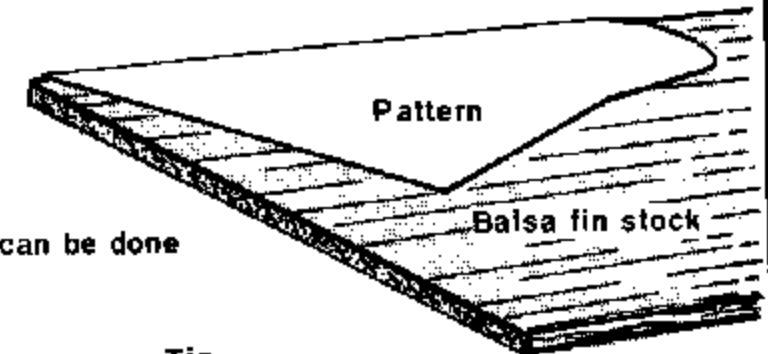
Leading, tip and trailing edges are sanded round. Sand both sides of each fin flat and give each fin an additional sanding with extra fine sandpaper or sanding material.

Trace onto card stock

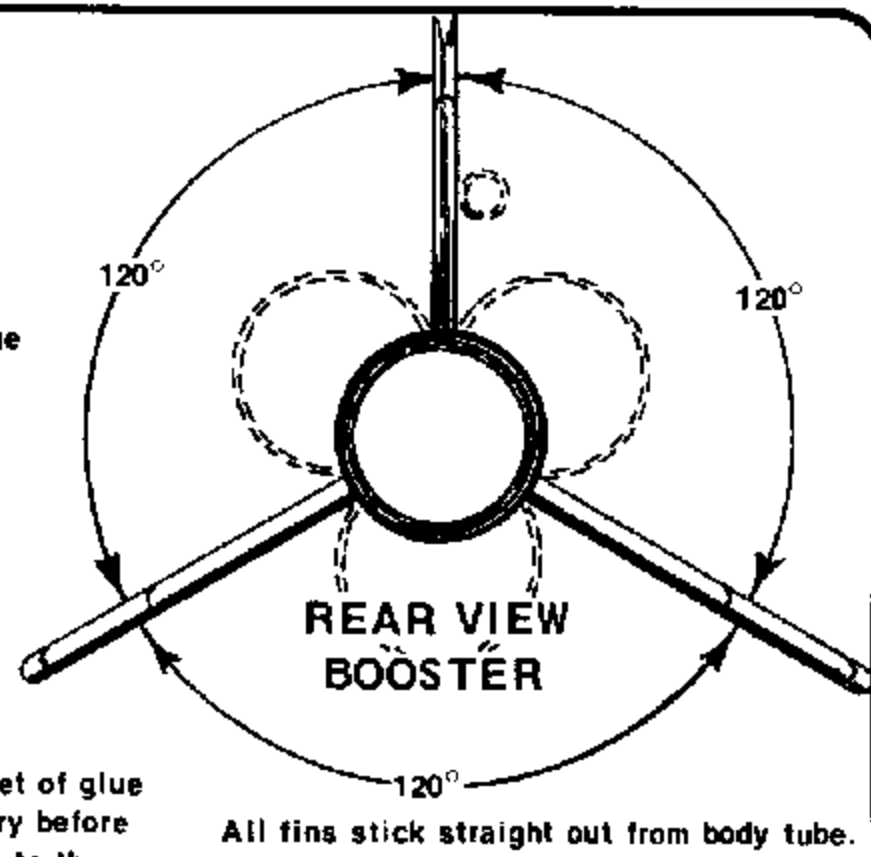
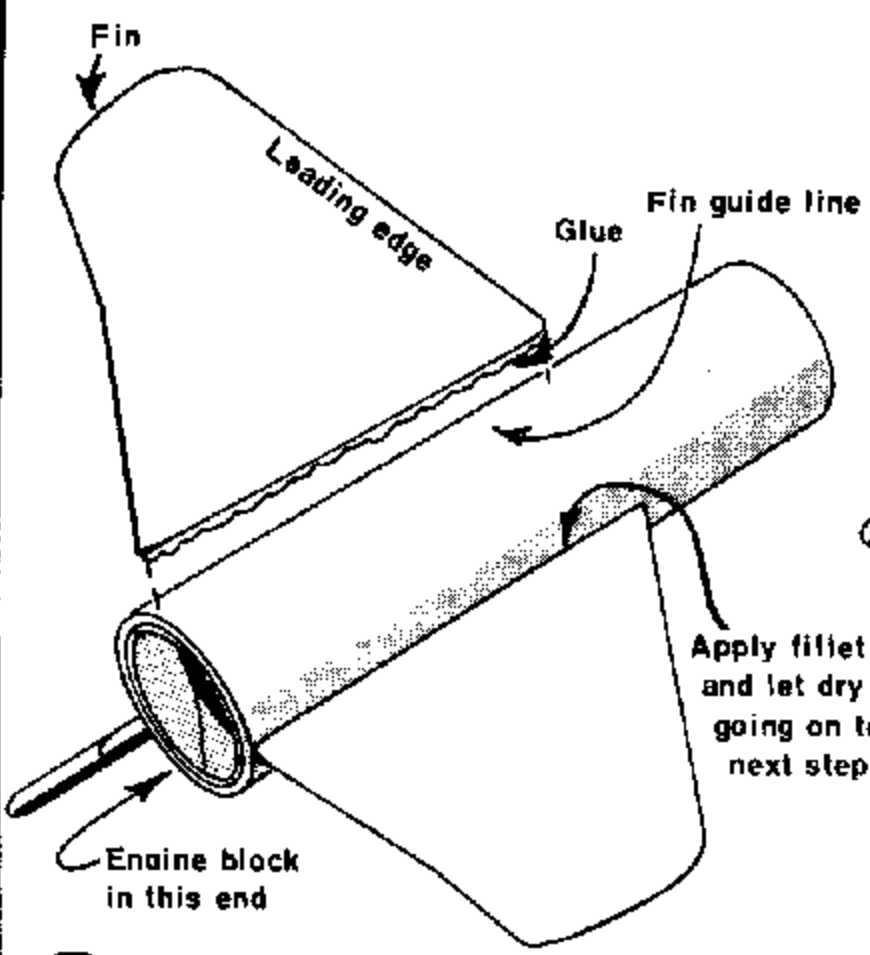
FIN PATTERN (3 req'd.)



Pattern layout on Balsa fin stock

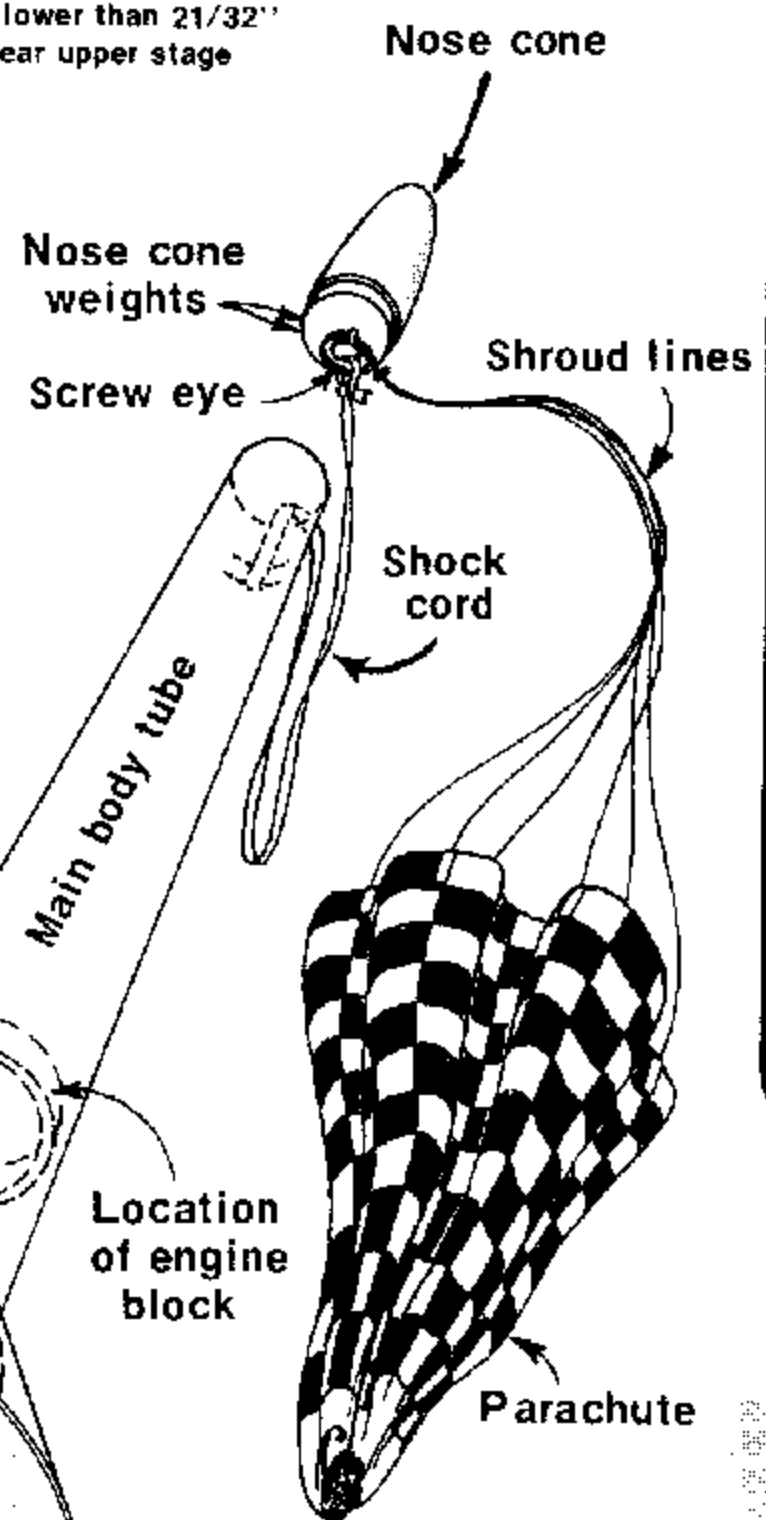
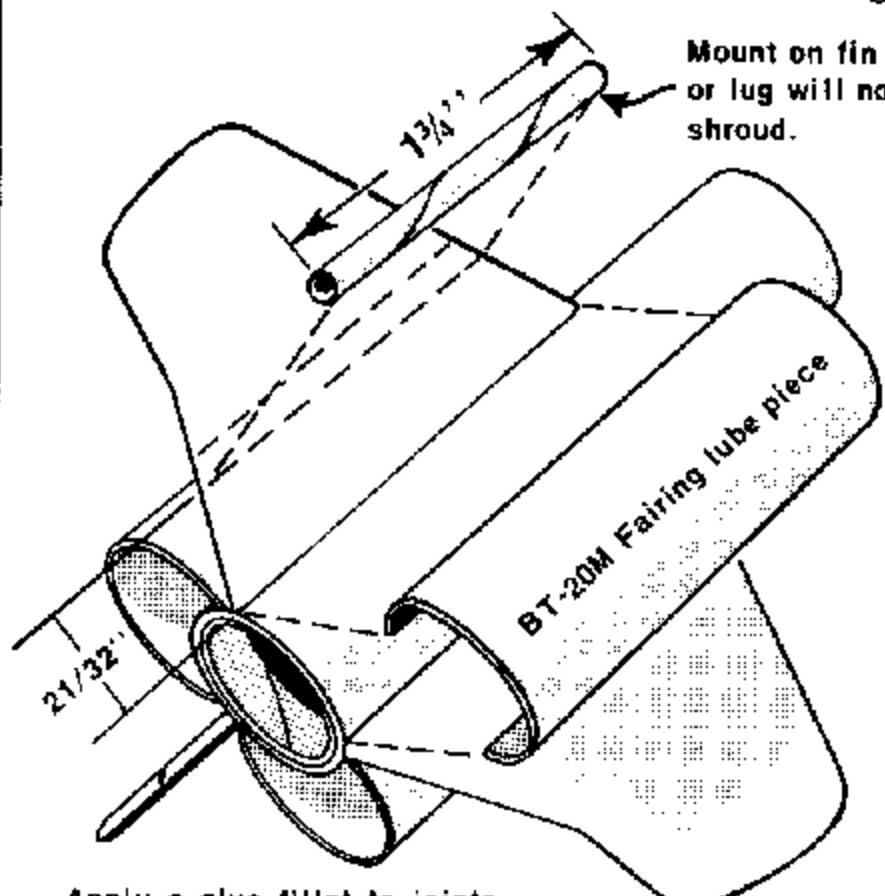


3 INSTALL FINS



Apply fillet of glue and let dry before going on to the next step.

4 INSTALLING FAIRING TUBE PARTS and launching lug

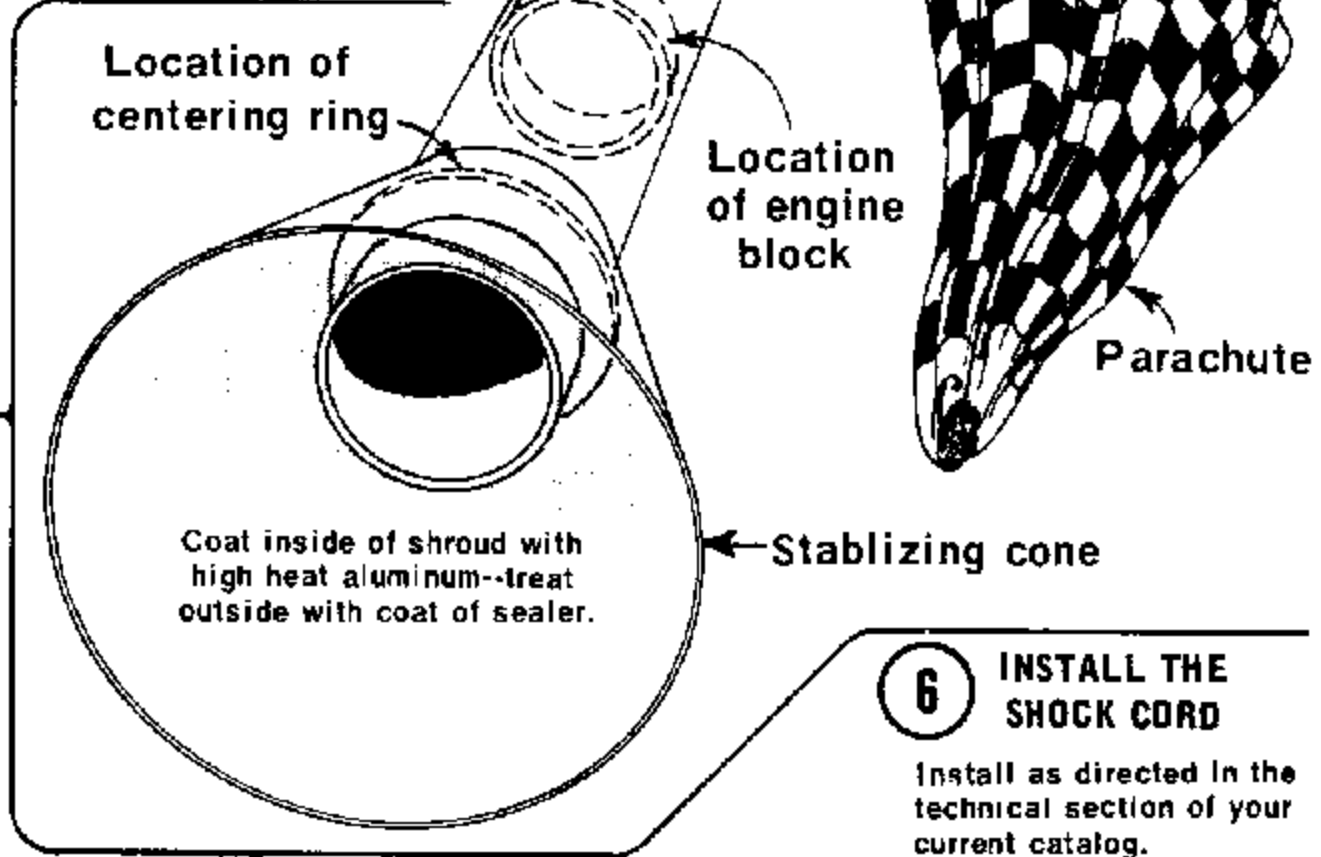


Apply a glue fillet to joints as shown then set a tube piece in place. Repeat with the remaining 2 pieces, holding each in place until the glue has set.

GENERAL VIEW

5 INSTALL SHROUD

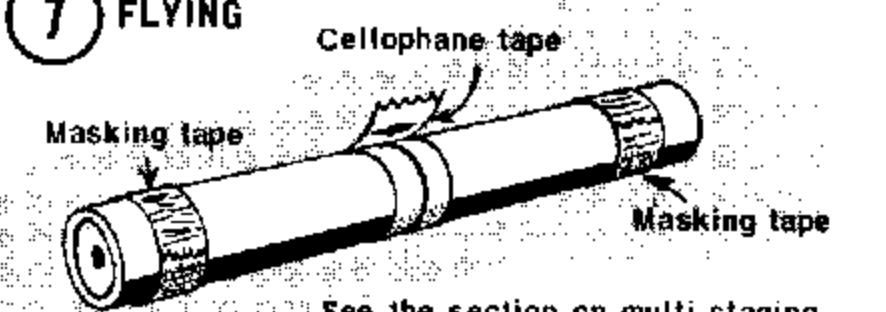
Apply a line of glue around the body tube and place the RA-2050 exactly 1/8" in from the rear end of the tube--all the way around.



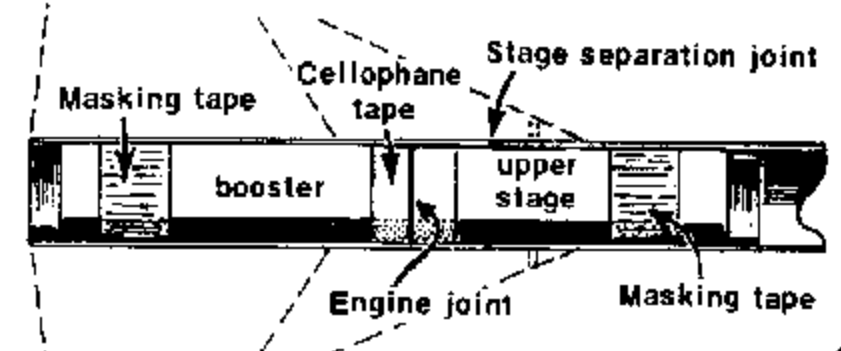
6 INSTALL THE SHOCK CORD

Install as directed in the technical section of your current catalog.

7 FLYING



See the section on multi-staging in the technical section of your current ESTES catalog for more details. The upper stage engine must fit tightly into place so the recovery system will work correctly. The booster engine must fit tightly into its stage to prevent the section from being left behind at lift-off.



MORE WINNERS! DESIGN OF THE MONTH CONTEST

Design of the Month contest winners for the months of April through September, '69 were recently announced by the Estes Industries judging staff.

The First Place \$50 award for April went to Dale Olesberg of Coeur D'Alene, Idaho for his 3-stage *Sky High* rocket. Top honors for May were given to Justin Otten of Grand Rapids, Mich. for a combined control panel-launcher unit. The winner of the June contest was Dave Olsen of Platteville, Wisc. with the two-stage *Scott B* model. July honors were garnered by Bob Houston of Fremont, Nebr. with his *SST Scorpion*. The August award was given to Ivan Joe Sandman, Lewistown, Mont. and his *Blue Lightning*. September went to Douglas W. Johnson of Randolph A.F.B., Texas for the twin-engined *Antennoid - 3*.

All Estes rocketeers are encouraged to enter the Design of the Month Contest. Plans for rockets, launchers, instruments, etc., may be entered. A new contest begins on the first of each month so entries compete only with other entries recieved in that month.

Any plan or design received at Estes Industries that is not specifically addressed to some other contest or department is automatically entered in the Design of the Month Contest. For complete details, see the contest information in your current Estes catalog.