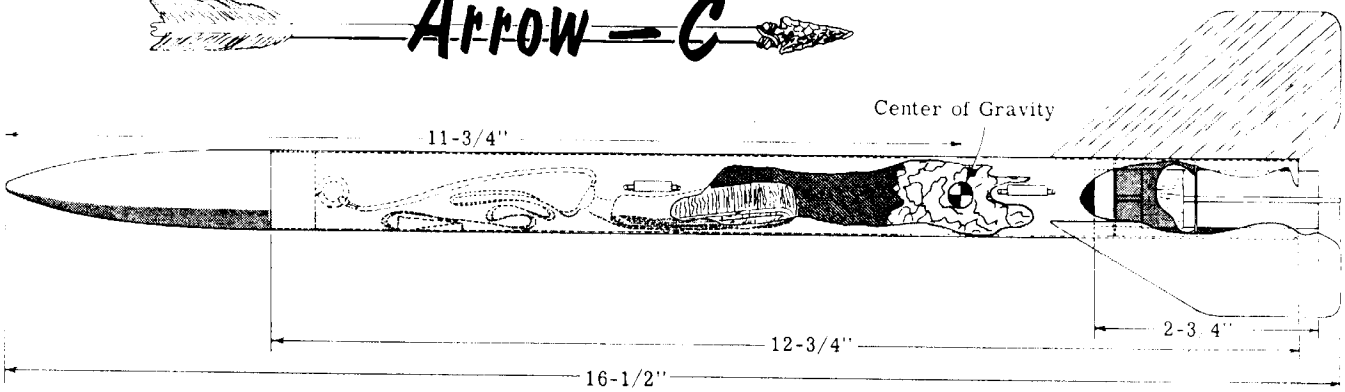
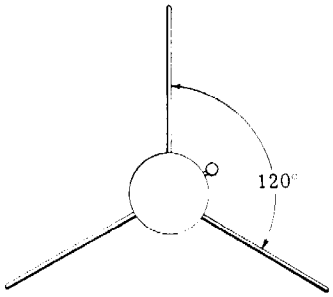
Fig. 1

Arrow-C

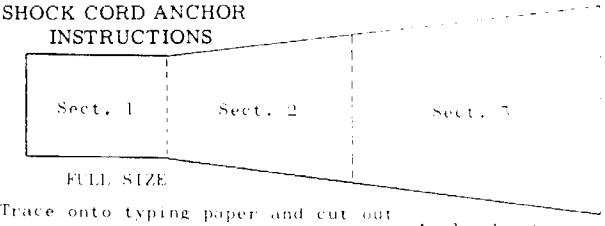




PARTS

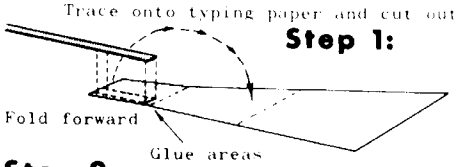
Nose cone	BNC-50X
Body tube	BT-50L
Engine tube	BT-20J
Adapter rings	RA-2050
Coupler	JT-50C
Engine holder	EH-2
Shock cord	SC-1
Screw eye	SE-1
30" Streamer	SM-1
Launching lug	LL-2A
Fin Stock	BFS-30

SHOCK CORD ANCHOR INSTRUCTIONS



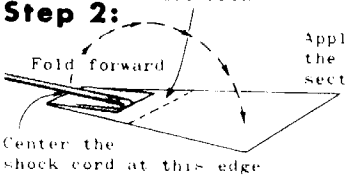
Trace onto typing paper and cut out

Step 1:

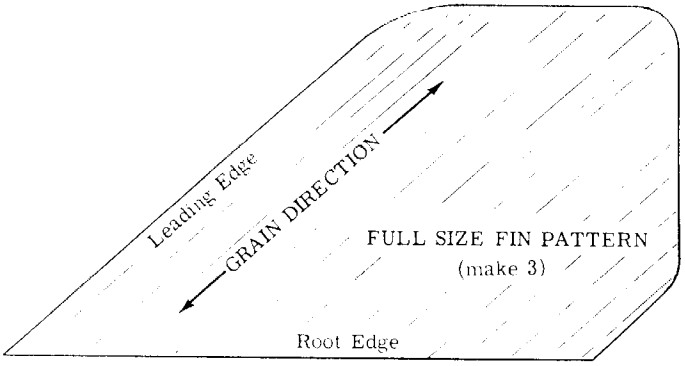


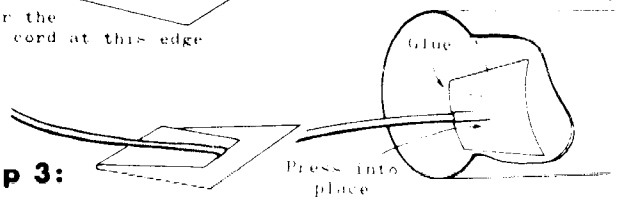
Apply glue to section 1. Lay the end of the shock cord into place. Fold the 1st. section over the second one as shown.

Step 2:



Apply glue over the backside of the first and the exposed part of section 2. Lay the shock cord as shown and fold the cord and section 2. over section 3.





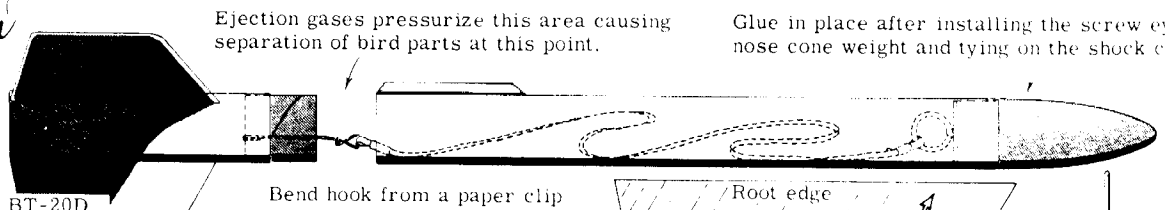
Step 3:

Apply glue to the inside of the body tube where the shock cord mount will seat. Hold the shock cord as shown and place the mount into position, pressing it to conform to the inside curve of the body tube.

Care should be taken in building the Arrow-C model rocket to be sure the balance point is at least as far forward as indicated in the plans. Additional weight may be added to the nose cone to bring the balance point forward if necessary. When flying the Arrow-C, the streamer must be protected from the hot ejection gases. Three or four squares of Estes flameproof wadding or enough flameproofed cotton to fill the tube for 1-1/2" should be used. While the Arrow-C was designed as a streamer recovery model, the streamer may be replaced by a 12 or 18 inch parachute for flying on calm days.

Fig. 2

Lil' Tinker

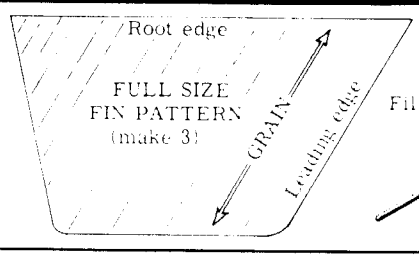


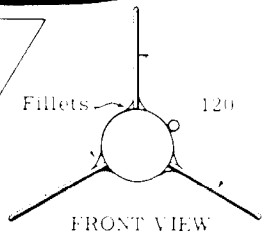
Ejection gases pressurize this area causing separation of bird parts at this point.

Glue in place after installing the screw eye, nose cone weight and tying on the shock cord.

Body tube	BT-20D
Engine tube	BT-20J
Nose Cone	BNC-20B
Coupler	JT-20C
Screw eye	SE-2
Shock cord	SC-1
Fin Stock	BFS-20
Launching lug	LL-2A
Nose weight	NCW-1

Bend hook from a paper clip as shown for a rear anchor-point for the other end of the shock cord. Bend the end of the hook around the coupler and clamp tight. Apply glue 1-1/4" into one end of the rear tube and insert coupler.





The second type of recovery system, shown in Fig. 2, employs a removable tail section. The fins can either separate completely from the rocket body or the pieces may be held together by a shock cord. This type of design is quite popular in spot landing contests where it is desirable to land the rocket close to the launcher.