

# SHARK

## ASSEMBLY INSTRUCTIONS:

Start assembly by enlarging hole in nose cone adapter with a sharp pencil and inserting rubber band thru hole. Place the small piece of plastic thru loop inside adapter and pull tight. Glue plastic inside adapter.

Put a thin coat of plastic (styrene) cement around inside of nose cone. Rub cement with the end of your finger to smooth it out and remove excess. Use cement sparingly as it will melt nose cone.

Insert adapter into nose cone then slip nose cone into body tube to insure alignment. With a twisting motion, carefully remove nose cone from body tube and allow to dry.

Punch two holes with a pencil 1/2" apart in the gauze shock cord anchor and thread cord into anchor as shown. Smear glue with a brush or "Q" Tip in body tube about the size of the anchor 3/4" from end. Insert shock cord and anchor into body tube and push into glue with a pencil until securely set in place. Tie other end to rubber band on nose cone.

The rocket is recovered by steamer which is taped to the center of the shock cord with masking tape.

Glue launch lug 3 1/2" from rear, halfway between fins. Sight along tube and align lug so that it is parallel to body.

Glue one centering ring on end of engine mount away from holes. Glue other centering ring in middle of engine mount so that holes are above ring. Take a square of toilet tissue and soak it in white glue. Stuff it into the end of mount with the holes so that it blocks the end of tube completely but does not block the holes. Apply more glue or paper as necessary for a tight seal. Using a "Q" Tip or brush smear glue around inside of mount 2" from open end. Insert engine block and push it forward with an engine until 1/8" of engine protrudes. With a "Q" Tip or brush smear white glue inside of main rocket body about 3" from end. Insert engine mount until it is flush with end.

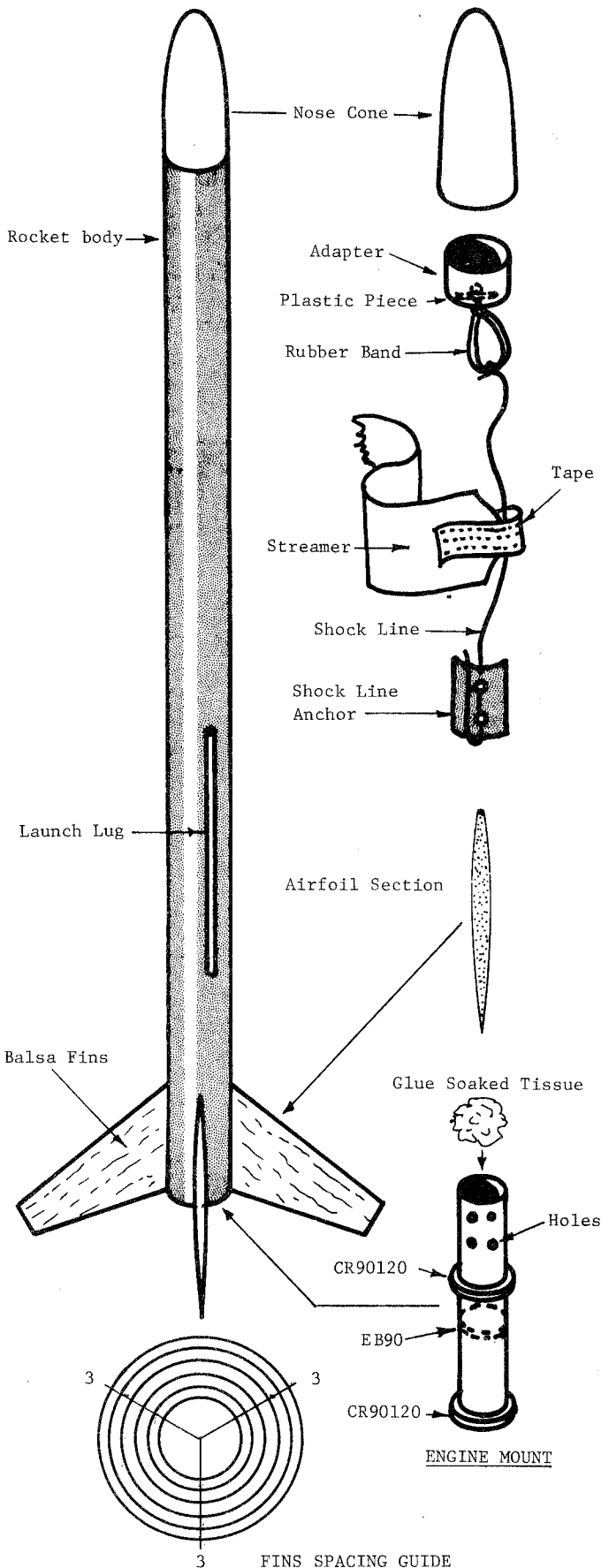
Sand fins to airfoil shape. The part that glues to the body should be straight and square.

Using the fin spacing guide, center the end of the body tube in the circles and mark at the 3. Use a "V" notch of a drawer or door frame and draw a line at the mark parallel to the body. Glue the three fins on this line flush with the bottom of the body. When dry, apply a glue fillet on each side of all fins.

Finish rocket by filling all surfaces with sanding sealer. Coat several times sanding between coats until smooth. Paint entire rocket except nose cone.

## FLYING INSTRUCTIONS:

This model is designed to be flown with 21 mm FSI engines from A4-4 to D6-6 and has a baffle ejection system. Fold streamer carefully and insert it in body tube making sure that all the shock cord is inside body tube. Insert nose cone. Following engine manufacturer's safety instructions, install an igniter into engine. Wrap engine with tape until it fits snugly into the body tube. Push in place snug against engine block. Place rocket on the launch rod, attach igniter clips and countdown and launch.



FINS SPACING GUIDE