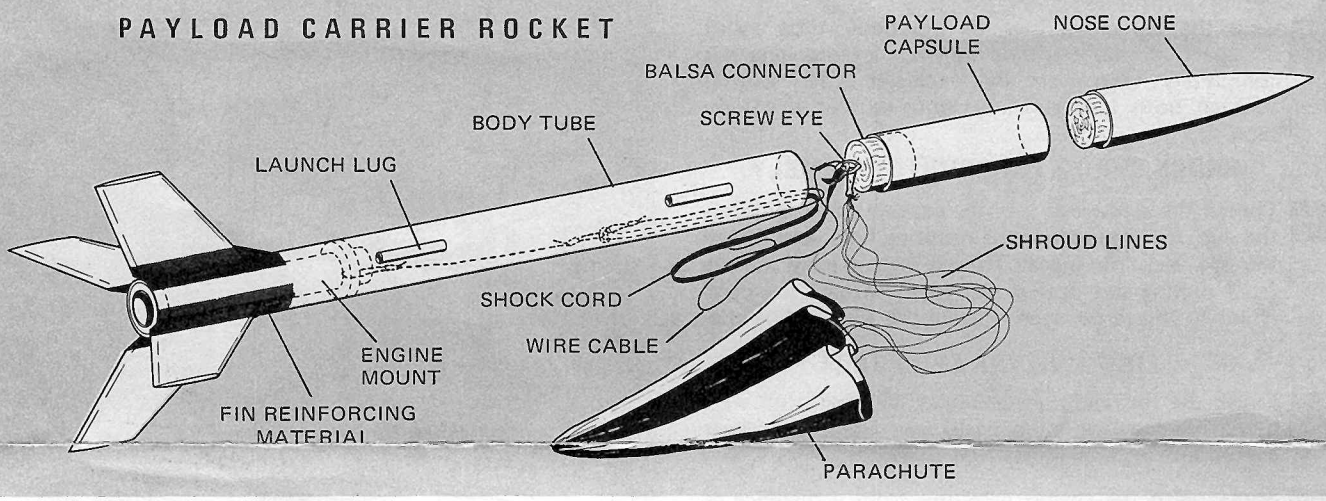
Aero-Dart

PAYLOAD CARRIER ROCKET

Centuri
LARGE SCALE ROCKETRY



TOOLS – In addition to the parts supplied, you will need the following materials to assemble and finish this kit. DO NOT use model airplane glue for building flying model rockets.



INTRODUCTION

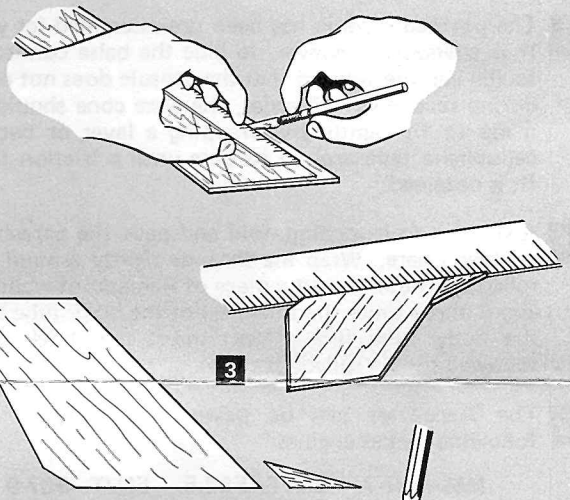
1 The Aero-Dart carrier rocket is capable of reaching altitudes in excess of 3000 feet, carrying a 3 to 5 ounce payload, when powered by an 'F-67' type ENERJET rocket engine. The 9 cubic inch payload compartment can be used to carry radio transmitters, mechanical measuring devices such as accelerometers, or small biological specimens.

ENGINE MOUNT ASSEMBLY

2 Centuri's unique shock cord/secure cable has been installed for you. One end of the fine steel cable is firmly anchored to the forward engine mount. The opposite end is anchored to the capsule screw eye.

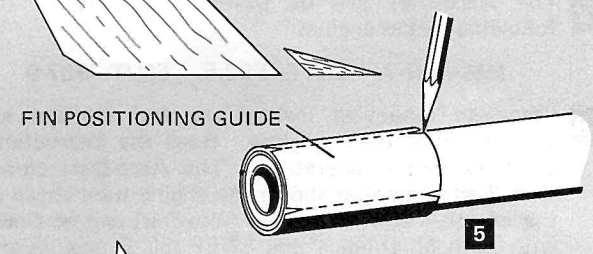
FIN ASSEMBLY

3 The Aero-Dart's composite fin design is made up of two balsa pieces. Carefully cut out the fins with a sharp knife using a metal straight edge for a cutting guide. Line up parts A and B with their root edges laying along straight edge and glue together as shown. Allow assembly to dry before proceeding.



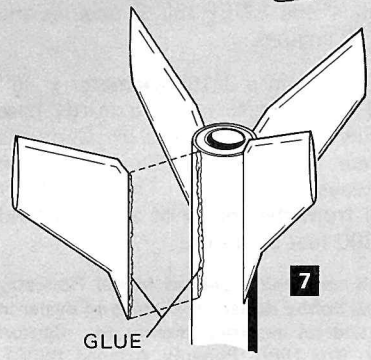
4 Using medium to fine sandpaper, round the leading and tip edges, and taper the trailing edges. Square the root cord edges.

5 Cut out the enclosed Fin Positioning Guide, wrap it around the body tube near the aft end, and mark the fin locations with a pencil or pen.



6 Apply a thin film of white glue to the root edges of the fins and allow to dry completely.

7 Apply a second, heavier coat to the root cord surface of each fin and press into place over the location marks.



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