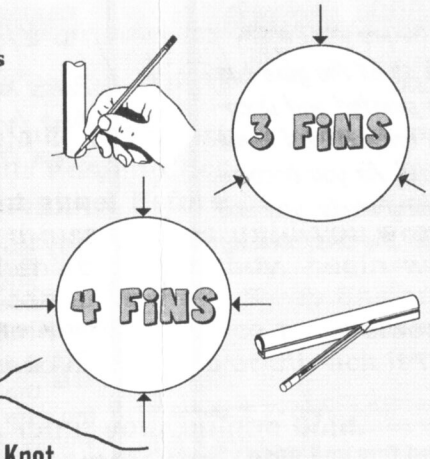
BOiD ANATOMY 101

All Boids are not alike. The instructions below are typical of Boid construction, but your fins and nose cones may be slightly different. Very few Boids are just alike! Before beginning assembly of your Boid, read and re-read these instructions until you are comfortable with the required steps. When you are ready, begin with step 1 to the left and watch your Boid come "to life!" Swap fins and nose cones with friends to change your Boid's appearance and personality. Have fun with your Boid. Don't forget to dress it up and teach it to fly!

To find out more about your unique Boid, go online at http://semroc.com/boids.

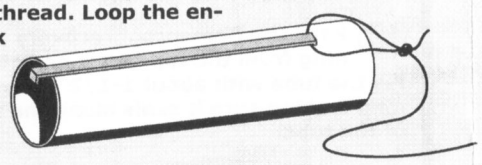
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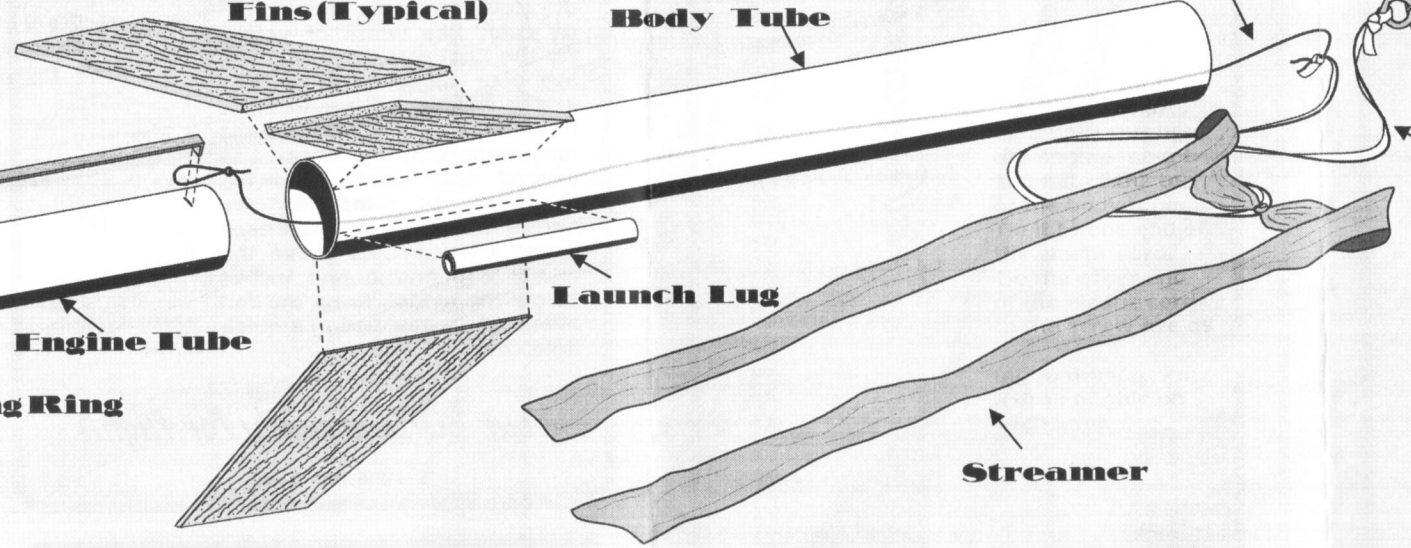
1 If there are only three fins, use the 3 fins guide. If your Boid has four fins, use either guide depending on how many fins you want to use. Place one end of the large body tube over the guide and place marks on the tube at each arrow. Find a convenient channel or groove such as a partially open drawer, a door jamb, or a piece of molding (as shown.) Using the channel, extend the marks the full length of the tube to provide lines for aligning the fins.



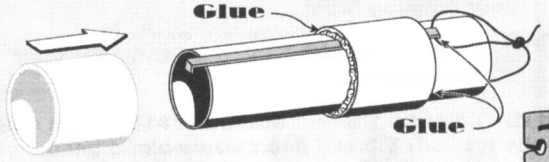
2 Tie an overhand knot close to one end of the yellow Kevlar® thread. Loop the engine hook through the loop and insert it into the pre-punched slot in the engine tube.



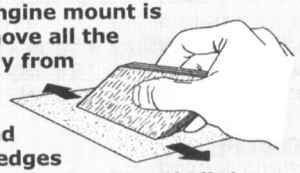




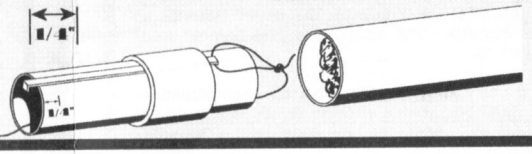
3 Slide the centering ring over the end of the engine tube opposite the looped thread. Push it forward until it is almost to the end of the engine hook and looped thread. Glue around the joints and around the looped thread.



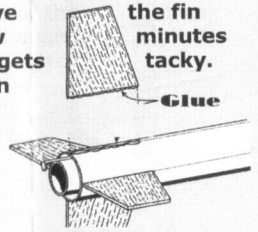
4 While the engine mount is drying, remove all the fins carefully from the laser-cut balsa sheet. Stack the fins and lightly sand the edges to remove the small tabs. Round all the edges except the root edges which will be glued to the body tube. The root edge is marked on the fin sheet.



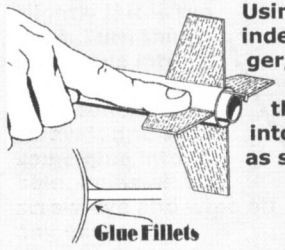
5 Mark the engine mount 1/4" from the aft end. Apply a bead of glue inside one end of the large body tube. Push the yellow Kevlar® thread back through the engine mount. Slide the engine mount into the body tube until the mark on the engine mount is even with the body tube. DO NOT STOP UNTIL THE ASSEMBLY IS IN THE CORRECT PLACE!



6 Run a THIN bead of glue along the root edge of one of the fins. Attach the fin on the body tube even with the engine mount end and on one of the lines drawn earlier. Remove the fin and wait a few minutes until the glue gets tacky. Reapply the fin and check for proper alignment. Repeat for the other fins.



7 After the fin assembly is dry, run a small bead of glue along both sides of each fin-body tube joint. Using your index finger, smooth the glue into fillets as shown.



8 Using
techn
used
glue
lug midway
two of the
and even
the bottom
of the
body
tube.