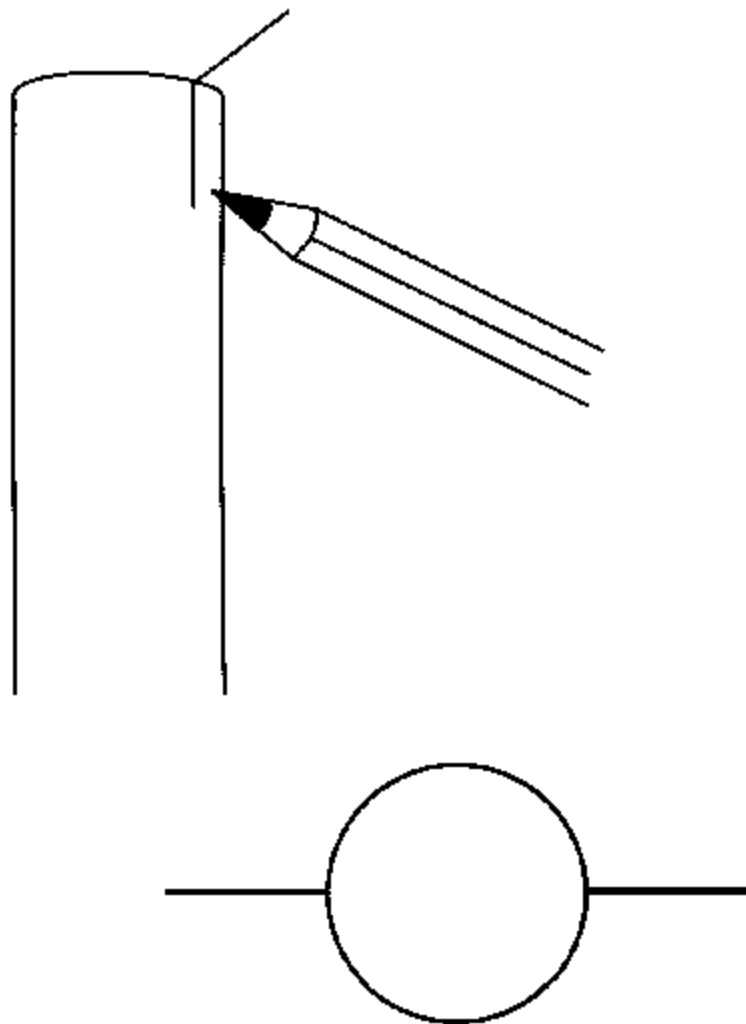
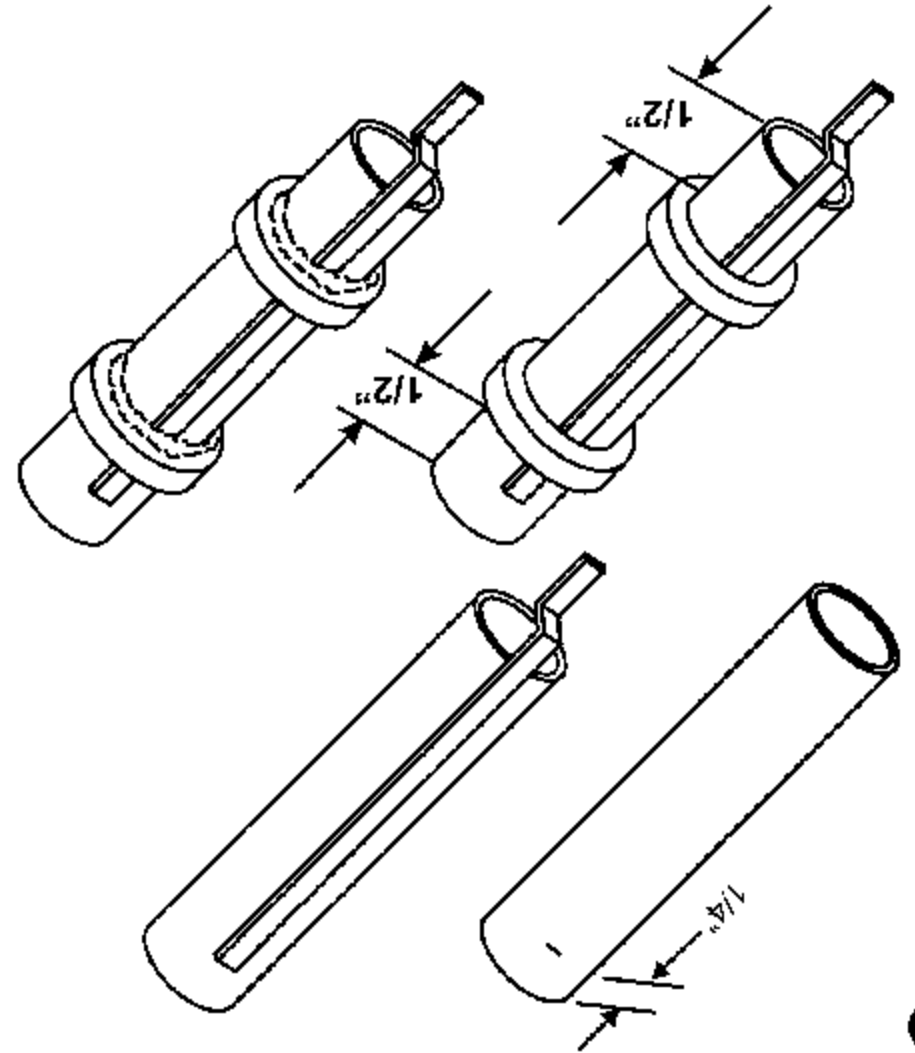


Locate the large body tube (Part A) and place it on the template above. With a pencil, carefully draw small one inch alignment marks. Don't use a pen because paint won't adhere well to the ink and may show up under the paint. When placing the marks with your pencil, don't press down too hard because you don't want to leave impressions in the tube.



2

Measure 1/4" from the end of the engine tube (Part H). With a hobby knife or razor blade, make a small 1/8" horizontal slit. Insert the engine clip into the slit. Measure and mark 1/2" from each end of the engine tube with a pencil. Slide the rings onto the engine tube until they are flush with the marks as shown. Hold one of the rings and apply a small drop of glue to the joint. While still holding the ring, spread the glue with your index finger. The glue should fill the joint and be smooth so it will dry quickly. Quickly wipe away any glue that gets on the surface of the ring.



1

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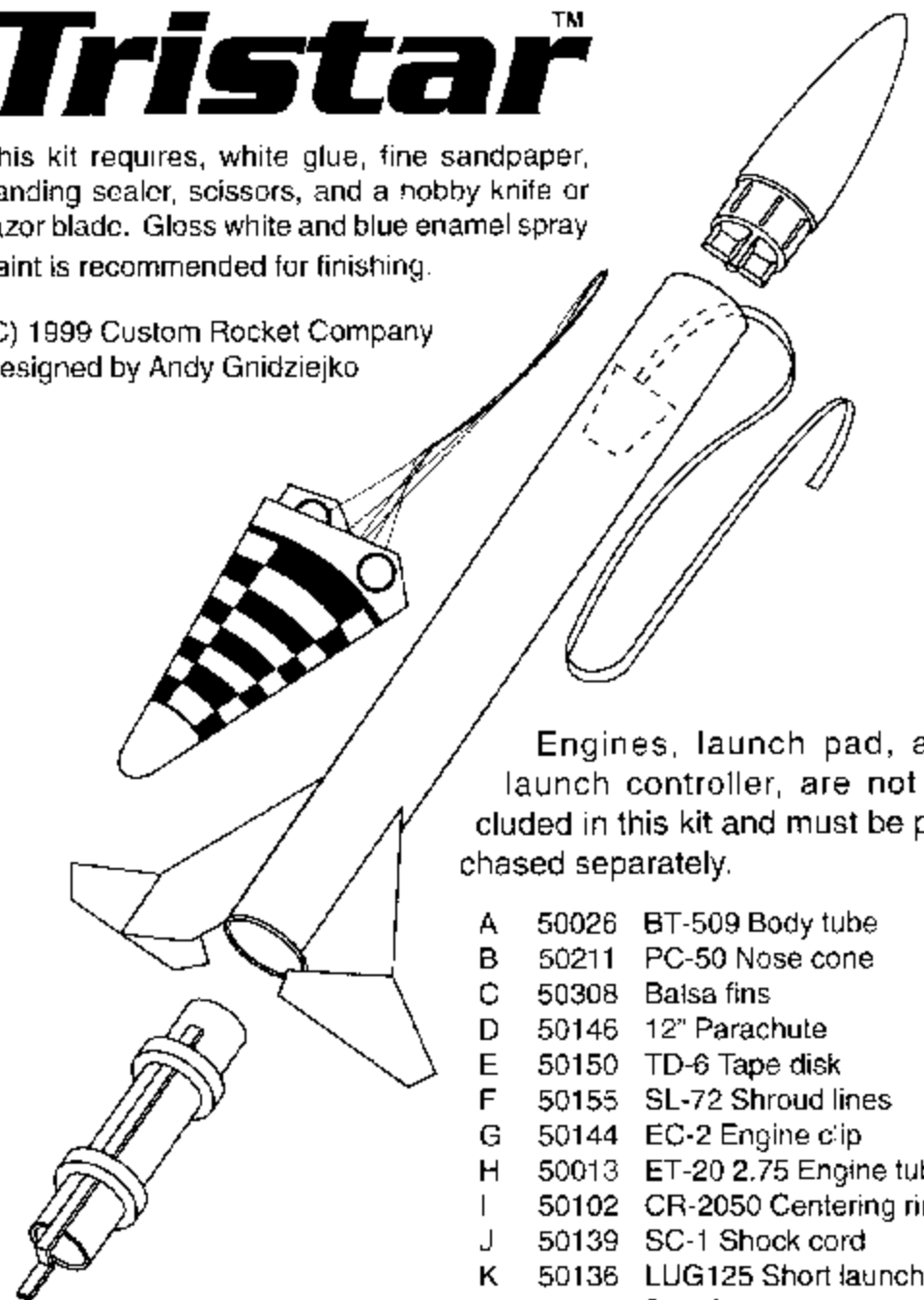
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 Lake Havasu City, AZ 86405



Tristar™

This kit requires, white glue, fine sandpaper, sanding sealer, scissors, and a hobby knife or razor blade. Gloss white and blue enamel spray paint is recommended for finishing.

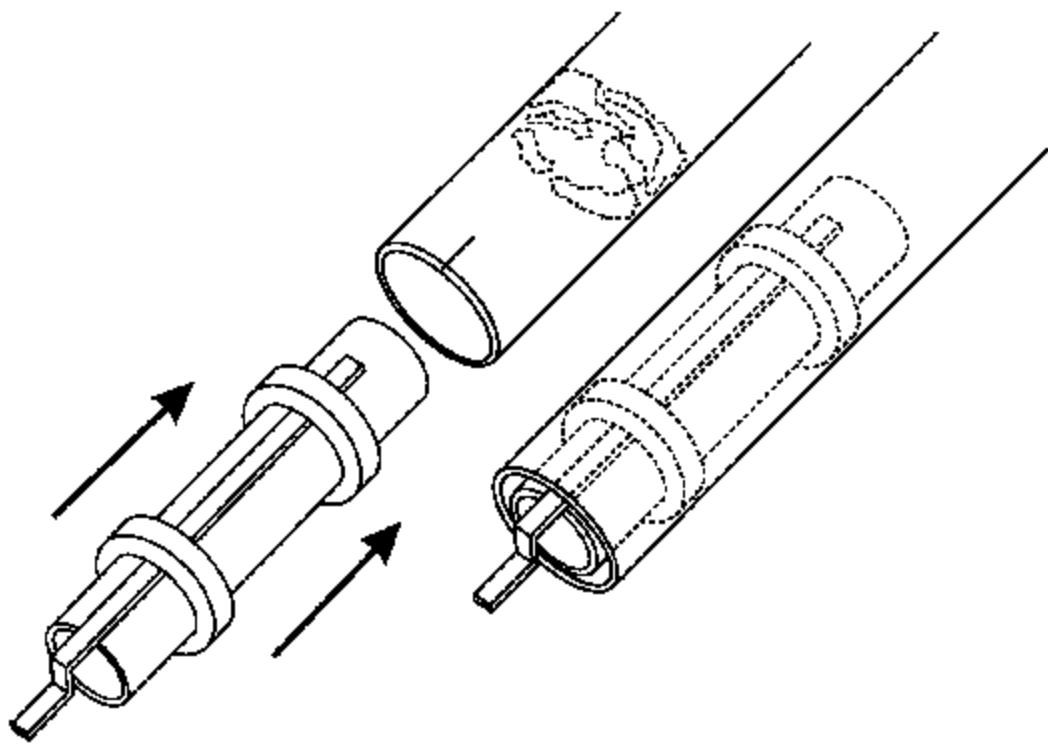
(C) 1999 Custom Rocket Company
 Designed by Andy Gnidziejko



Engines, launch pad, and launch controller, are not included in this kit and must be purchased separately.

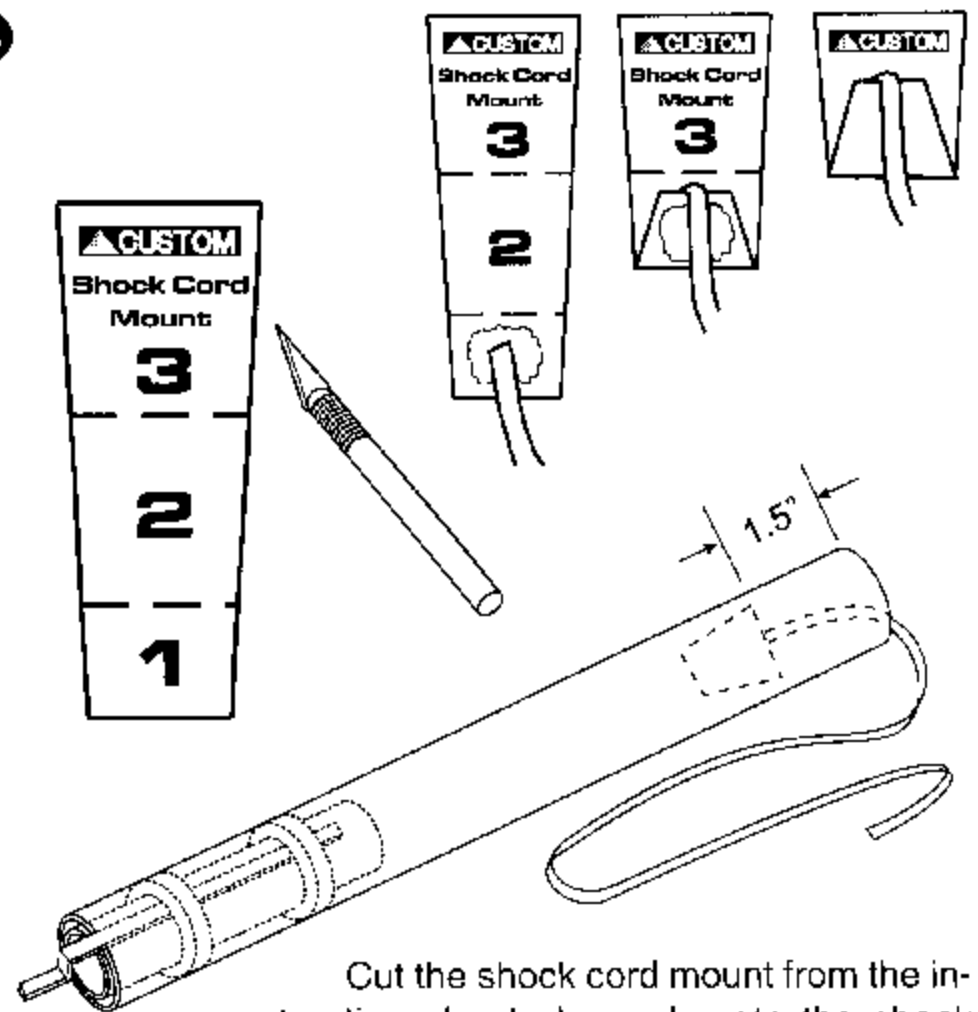
- A 50026 BT-509 Body tube
- B 50211 PC-50 Nose cone
- C 50308 Balsa fins
- D 50146 12" Parachute
- E 50150 TD-6 Tape disk
- F 50155 SL-72 Shroud lines
- G 50144 EC-2 Engine clip
- H 50013 ET-20 2.75 Engine tube
- I 50102 CR-2050 Centering rings
- J 50139 SC-1 Shock cord
- K 50136 LUG125 Short launch lug
- L 31027 Decal

3



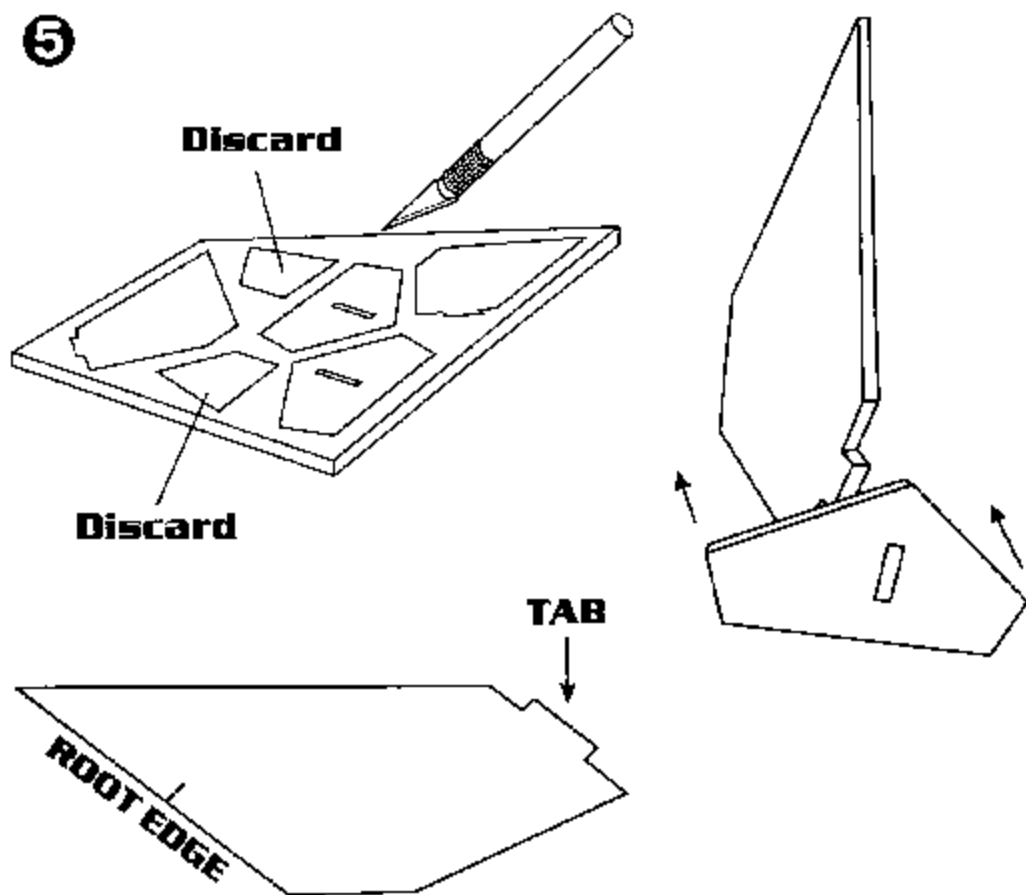
The glue on the joints of the rings should be completely dry before starting this step. Locate the end of the tube that you just marked in the last step. This is the end that the engine mount will get glued into. Apply white glue to the inside of the body tube. The glue should be about one inch inside the tube. Insert the engine mount into the body tube with one swift and even motion. **DON'T STOP UNTIL BOTH TUBES ARE EVEN!**

4



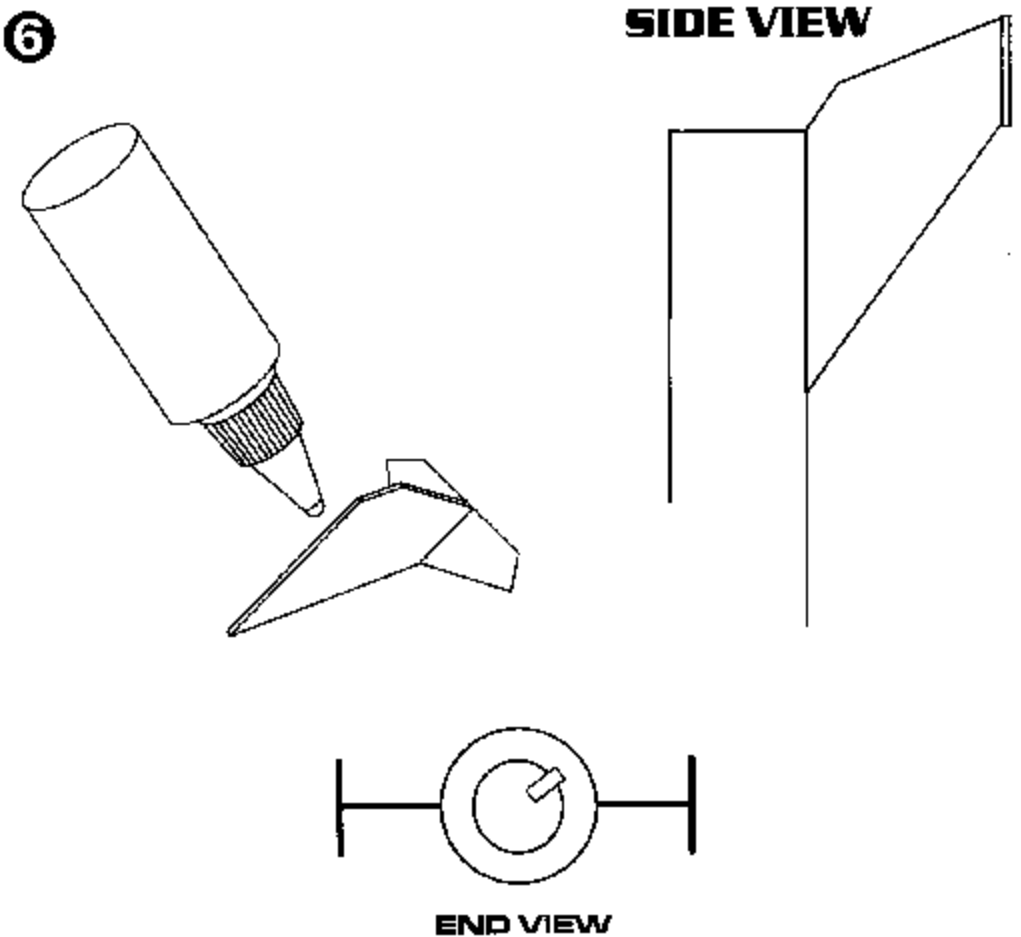
Cut the shock cord mount from the instruction sheet above. Locate the shock cord (this is the elastic cord). Apply a drop of glue to number one and put the end of the shock cord into the glue. Fold number one into number two, then apply glue to the back of number one. Fold number two into number three. Squeeze the mount between your fingers until the glue starts to set. When the mount is dry, apply two drops glue to the side that has the Custom logo. Insert the mount at least 1.5" into the end of the body tube.

5

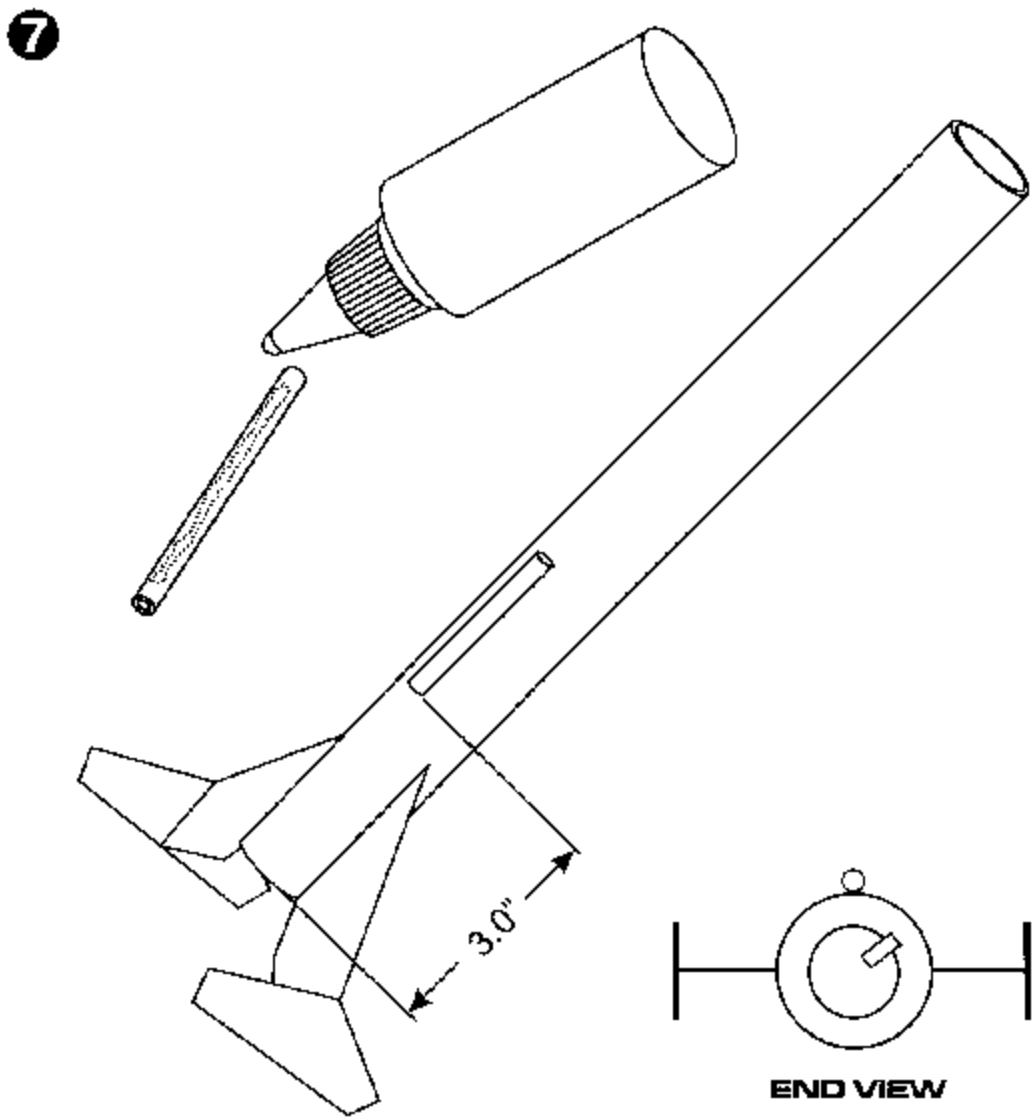


Separate the balsa with a hobby knife or razor blade. This will protect the balsa from splitting. Locate the small notch on each edge of the fins. This is the root edge. This is the edge that will get glued to the body tube. Place a sheet of fine sandpaper on a smooth surface. Lightly sand the edges to smooth the balsa. Apply glue to the tab on the fin. Insert the other part of the fin into the tab. Do this for both fins. Let the fins dry before going to the next step.

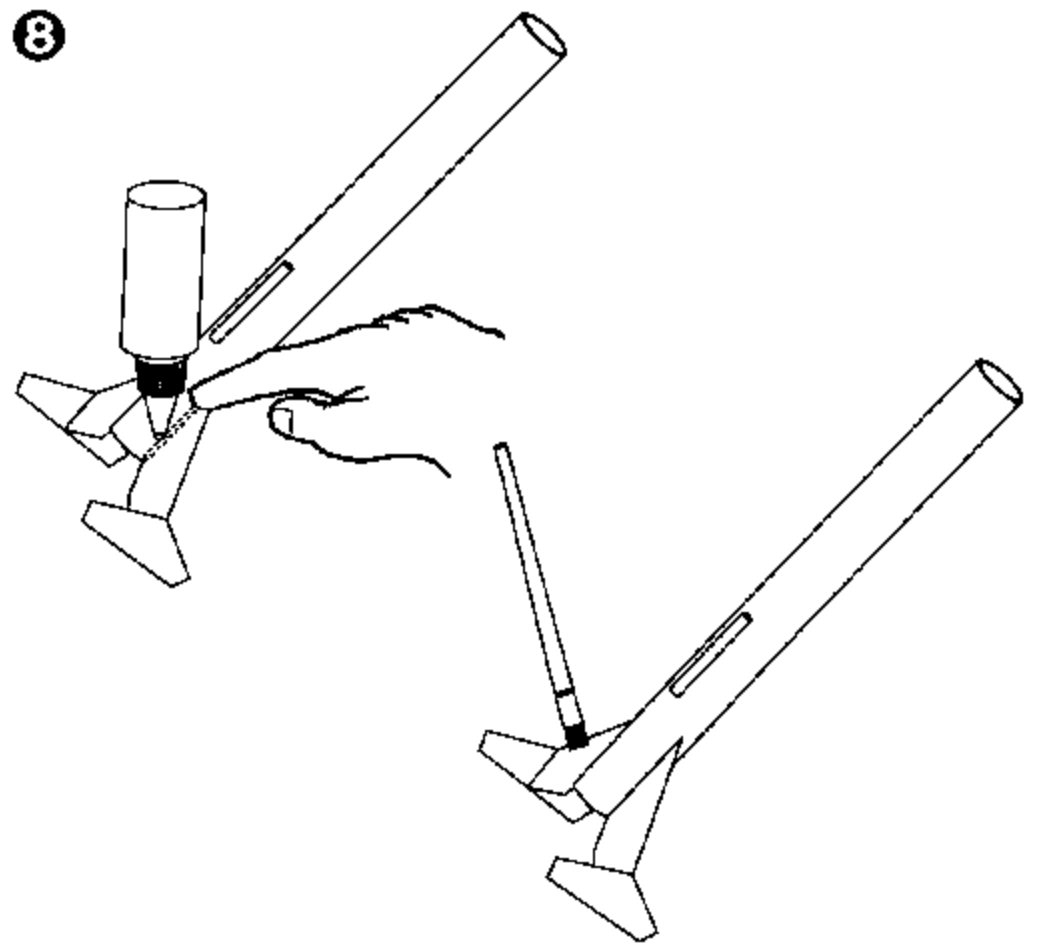
6



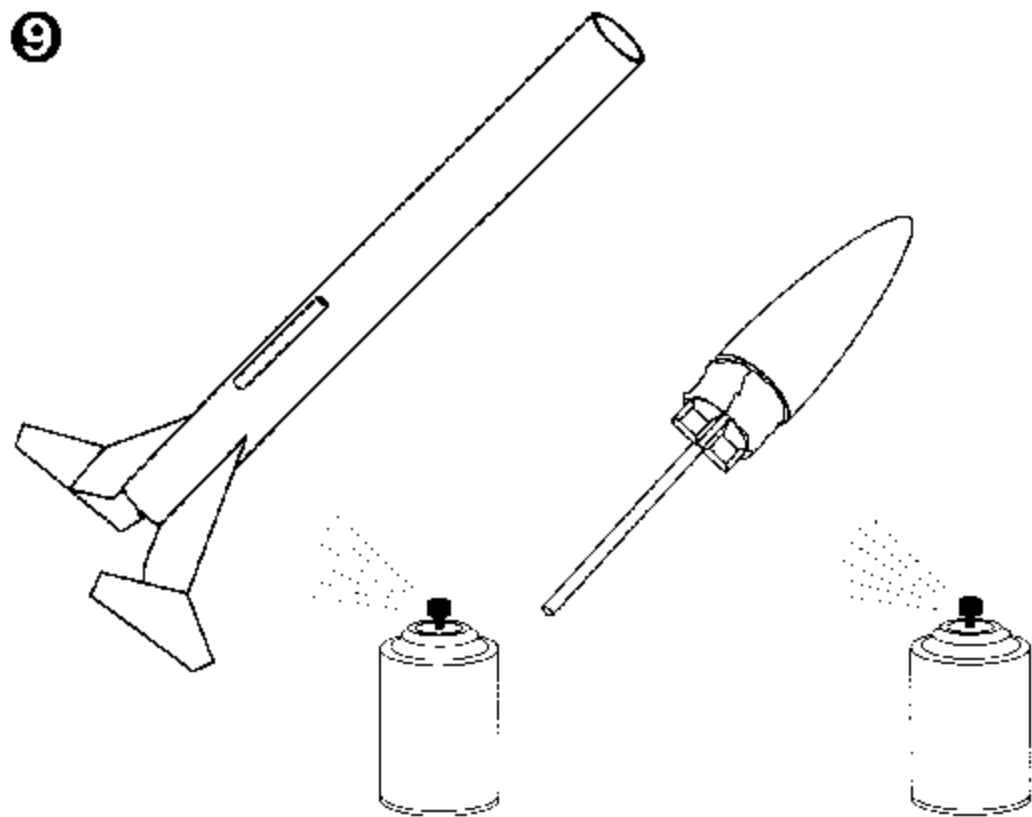
Apply white glue to the root edge of one of the fins. Glue the root edge of the fin to one of the marks made in step 1. The edge of the fin should be even with the body tube. When the glue from the first fin starts to set, start with the other fin the same way. Make sure the fins match the end and side view above. To help support the rocket, use a spray can, or place the rocket between two books.



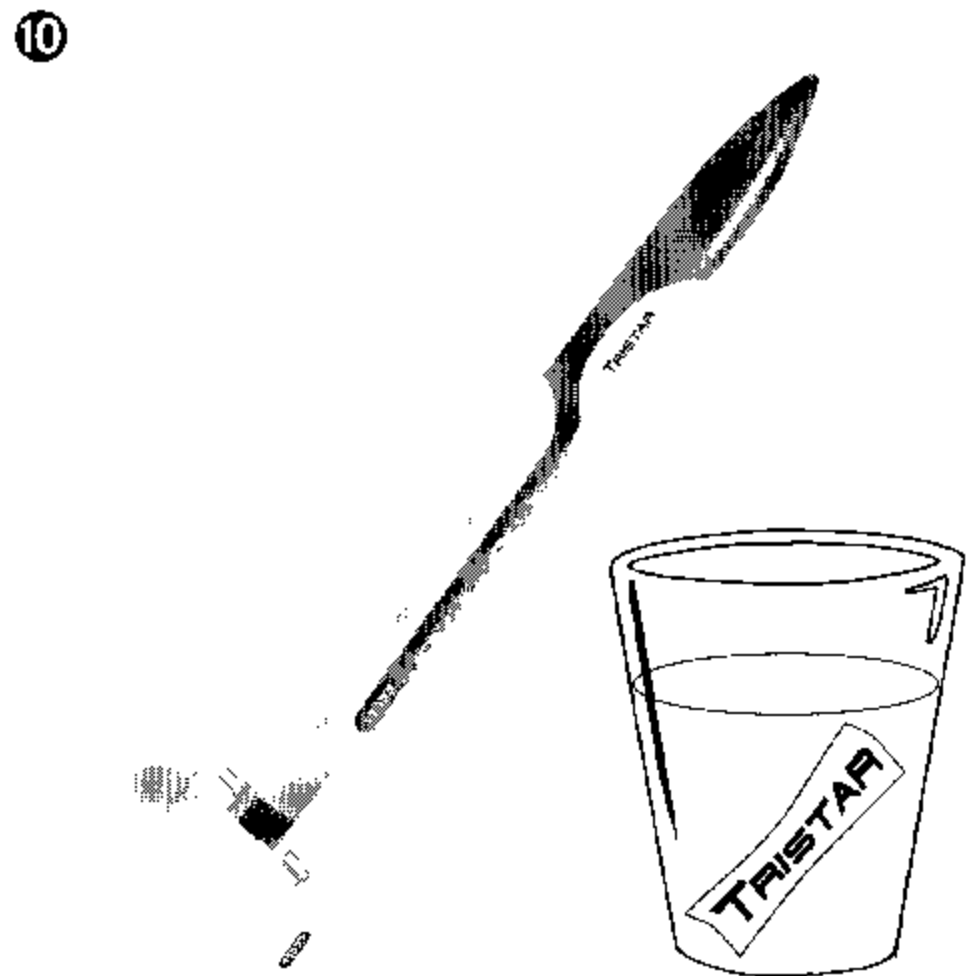
Measure 3" from the end of the rocket. Make a mark with pencil so that it is between the fins as shown above. Apply a drop of white glue to the launch lug and spread it out with your index finger. Glue the launch lug to the body tube at the 3" mark.



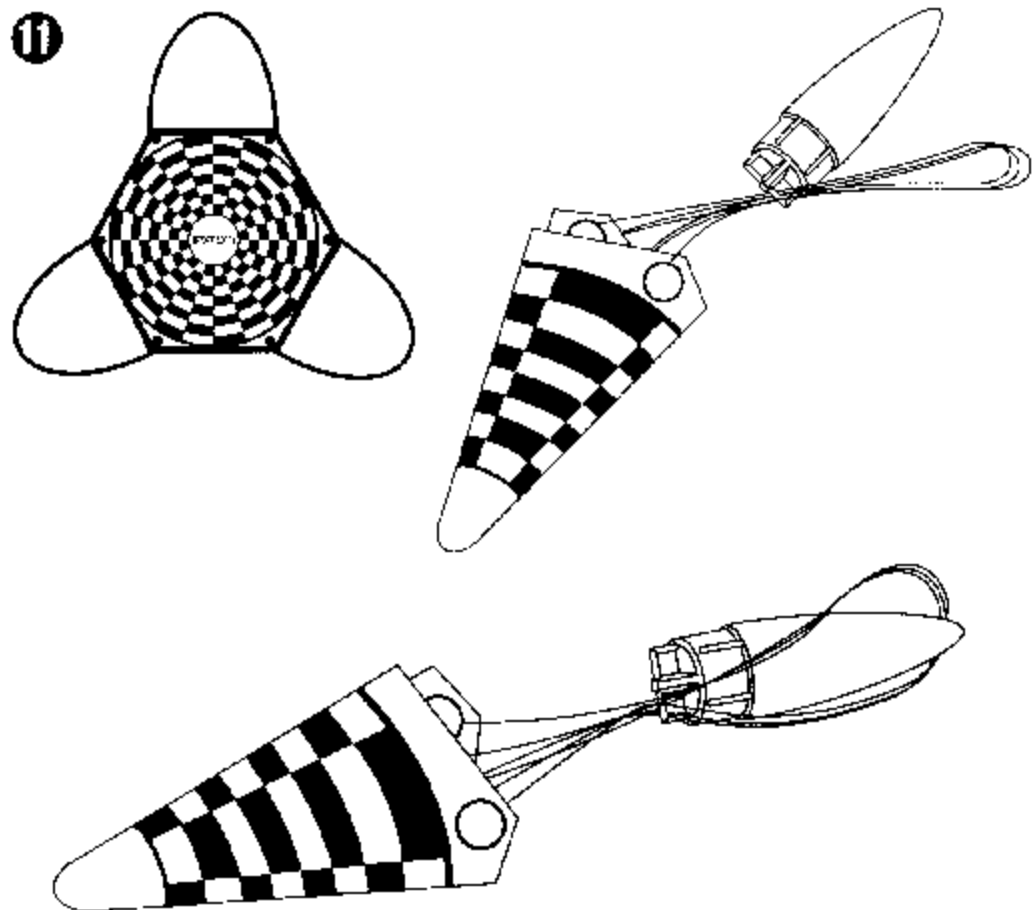
To create a strong bond between the fins and the tube, a fillet of glue is needed. Create a fillet by adding a drop of white glue and spreading it along the joint between the fin and the tube. This should be done for each side of the fins. After the glue has dried, it is time to seal the balsa grain with sanding sealer. First, lightly sand the balsa surface with fine sandpaper. Then brush on a thin coat of sanding sealer to each side of the fins. After this coat has dried, sand the balsa again with fine sandpaper. Apply a second and third coat, sanding between each when dry.



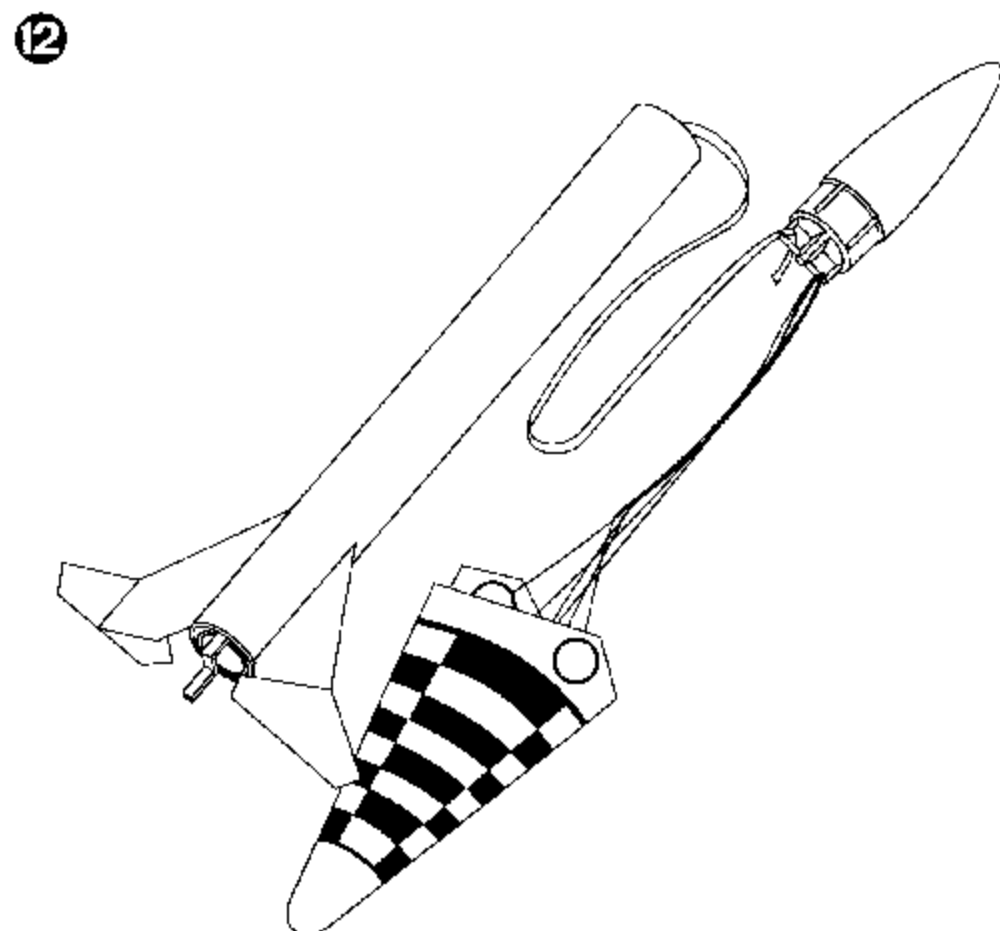
After the fin sealer has dried, wipe the model down with a clean rag. This will remove any dust left over from sanding. Use a dowel, or newspaper to support the model. **Lightly** spray the model with gloss white enamel paint. Try to get a thin coat over the entire model. Put the model aside and wait for this to dry. Apply a second light coat. The paint will start to fill in the areas missed by the first coat. Follow up with a third coat and allow this to dry overnight. Wrap masking tape around the shoulder of the nose cone and insert a dowel into the end. Spray as before with three light coats of gloss blue enamel spray paint.



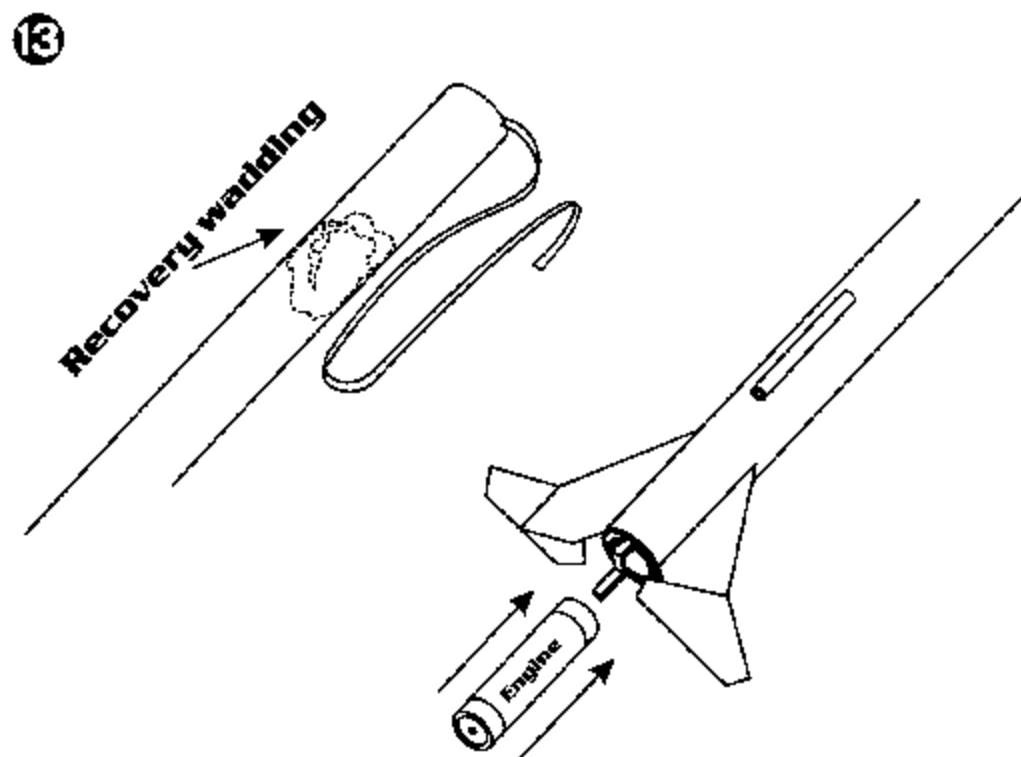
Cut out the decal with scissors. Dip the decal in warm water for 30-45 seconds. The decal should be totally submerged in the water. Take the decal out of the water, and place it on the rocket. Gently slide the decal away from the paper backing. Position the decal, and then blot away any excess water with a tissue. Remove any air bubbles or wrinkles by gently smoothing out the decal with the tissue. Place the model aside to let the decals fully dry.



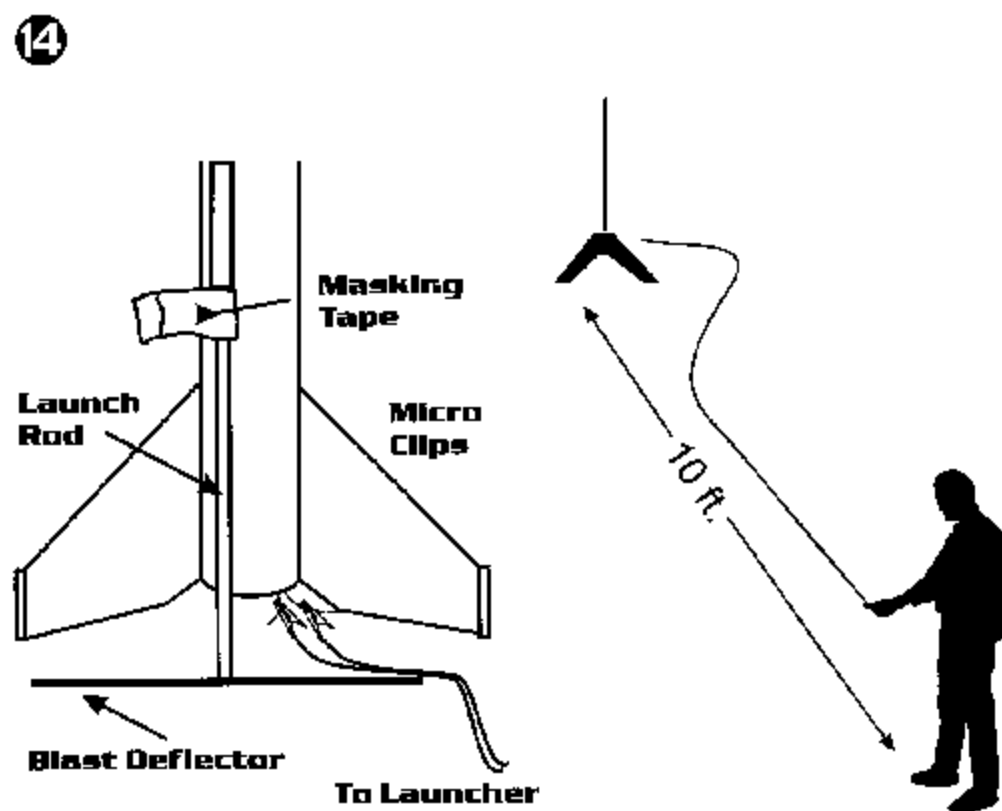
11 Cut out the parachute with scissors. Cut the shroud line into three equal parts. Attach the shroud lines with tape disks. With a pencil or pen, clear away the flash from both eyelets on the nose cone. Pass the shroud lines through one of the eyelets on the nose cone. Slide the nose cone through the loop in the shroud line and pull tight.



12 Tie the end of the shock cord to the second eyelet of the nose cone. Your rocket is now ready to launch. You will need an area at least the size of a football field to launch. Even with the slightest winds, a rocket can drift quite a distance with a parachute. Make sure that the area that you choose is also away from power lines, traffic, homes, and tall trees.



13 Add a 3-4 squares of loosely crumbled recovery wadding. Push the wadding as far down into the tube as it will go. This will protect your parachute from being melted. Carefully fold the parachute so that it fits into the body tube. In cold weather, you may wish to sprinkle some talcum powder onto your chute first. This will help it to open better. For your first launch we recommend a 1/2 A6-2 model rocket engine. Slide the engine into the rocket until the engine clip locks it in place. Insert the igniter and follow the instructions provided by the engine manufacturer.



14 Slide the launch lug over the launch rod. Don't let the igniter leads touch the blast deflector on your launch pad. Make sure the safety key is out of the launcher, and hook up the microclips to the igniter. Don't let the microclips touch themselves, the launch rod, or the engine clip. Stand back at least 10 feet, and look around to make sure that everyone is aware of the launch. Insert the safety key and hold the button for 3-4 seconds. If the rocket does not take off after 15 seconds, you either have a misfire or low batteries. Remove the safety key and wait another 15 seconds. Walk over, remove the rocket, and try another igniter. Repeat the launch procedure again.