

STEP 8 The escape tower.

Cut the launch escape tower skirt from the wrap sheet and form it into a conical skirt shape. Glue it to hold that skirt shape.

Cut the escape tower base from the wrap sheet and fold it into a rectangular shape along the legs. Glue it to hold that shape and slide it down over the one inch section of lug tube. Slide the skirt down on top of the tower and glue in place. Brush paint the skirt and lug tube flat white. Do not paint the tower base.

STEP 9 Fins.

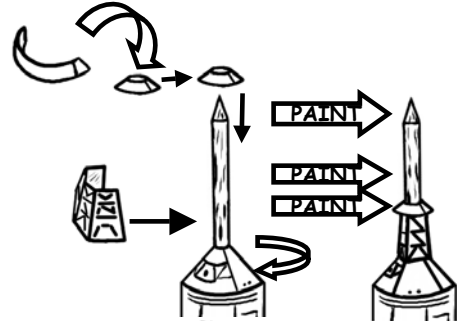
Using the fin template from this page and obtain the balsa stock. Trace out four fins onto the stock and then cut them out. CAUTION- these fins must be exactly the size of the template outline. Their size and shape are critical to the stability of this rocket. Their size is directly related to the mass in the pre-weighted nose cone. If you alter either of them this rocket will become a smokin' hole in the ground or worse yet, make a hole in someone or something- so do not alter either the fins or the nose weight.

Sand each fin to give it a knife edge and then soak with some cyanoacrylate glue to harden the wood. Paint each with Testors 1180 "Steel" colored paint before gluing the fins to the rocket.

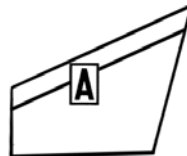
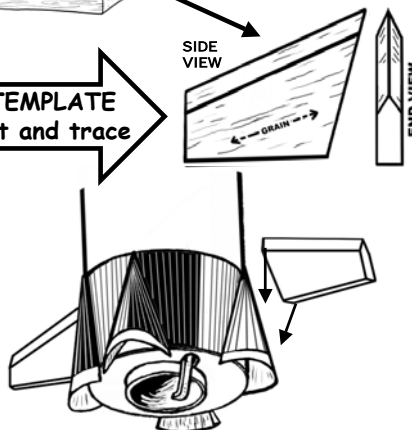
Glue one fin onto each of the engine fairings. Align the fins so that the trailing edge (bottom edge for those of you who are squirming hatch-blowers) are aligned with the top edge of the gray band on each fairing. It is optional to paint the fairing's gray band in a silver color if you like.

The Saturn V fins were lettered, in order, either "A" "B" "C" or "D." These letters were in a black box with a white background. Decal paper that lets you print in a white background is way expensive, so we at Dr. Zooch Rockets just printed the letters here. Cut them out and glue them on and feel good that you did not have to pay the extra 18 cents for us to get the really expensive white background decal paper. For more exact details on the order and placement of these markings we recommend going to the following web site: <http://www.apollosaturn.com/markings/mguide.htm>

A A B B C C D D



FIN TEMPLATE
cut out and trace



Carefully paint the area above the black stripe on the thrust structure and below the intertank corrugation wrap, flat black. Use masking tape to insure that the outer edges are clean and straight. Be sure to remove the tape after the paint is dry or you'll look like a jerk when you go to fly the rocket.

Four position markers appeared on every Saturn V (as indicated by the arrow) and were either "I" "II" "III" or "IIII". The "I" position was between fins D and A, "II" between fins A and B and "III" between B and C. These letters were in a black box with a white background. As we said earlier, decal paper that lets you print in a white background is way expensive, so guess what...

I II III IIII

It is important to place the position marks in the right place so that you can later place your protrusions in the correct locations.

From the wrap sheet, cut out the S-IC Bottom plate. Then cut out the engine cutout which you can probably identify by the words "ENGINE CUTOUT" printed on it. Test fit the plate onto the bottom of the rocket. Align the four black dots with the center of each engine fairing. Cut a small space where the engine clip needs to move, then glue the plate in place on the bottom of the rocket. Test fit each F-1 engine onto its dot with its dowel aligned in the corresponding oval (you may have to sand the dowel to get a level fit). Glue the engines in place using a large drop of white glue or fast setting epoxy glue. Take care to keep the engines straight and the bell mouths level as the glue dries.

