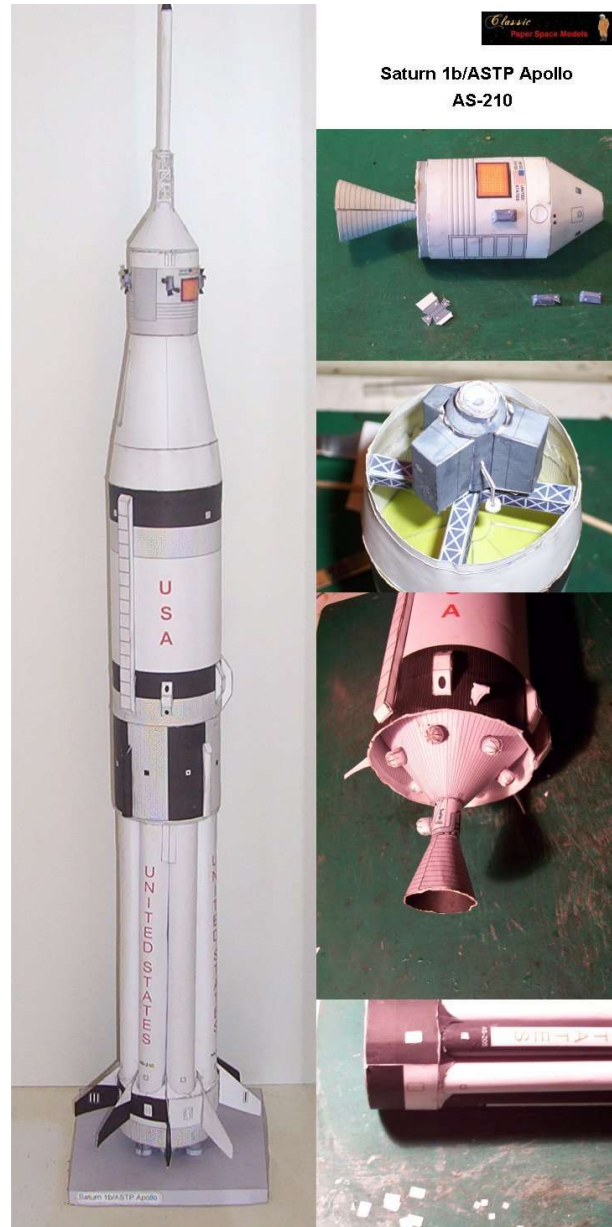


Saturn 1b ASTP

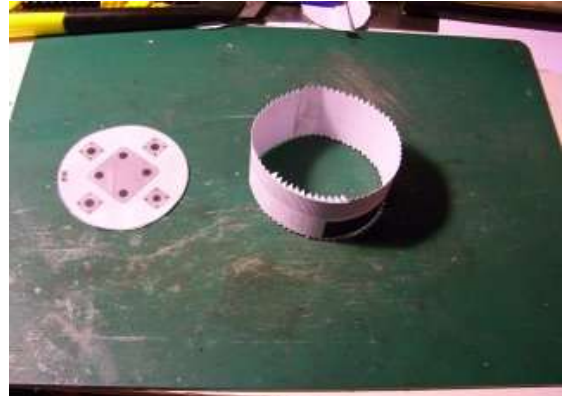


The Saturn 1b was originally developed by Wehrner von Braun for a two launch moon mission, but was later abandoned in favour of a one launch mission with the Saturn 5. It was later used in the ASTP and Skylab missions. The paintjob is a little different from the Apollo 7 version, and the model is included the docking module and the truss for it during launch. Please note that page 3 back and 8 back is backside print for page 3 and 8, and that page 3 is to be printed in 4 copys. Page 10b are optionally instead of page 10.

Stage 1

Bottom part

Cut out 1A and 1B Glue the parts together with an overlap. Glue to a cylinder with 1A on the outside, fitting end to end. Glue 1C to a piece of cardboard and cut out.

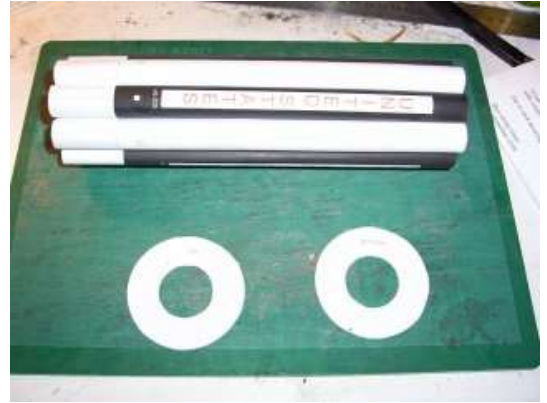
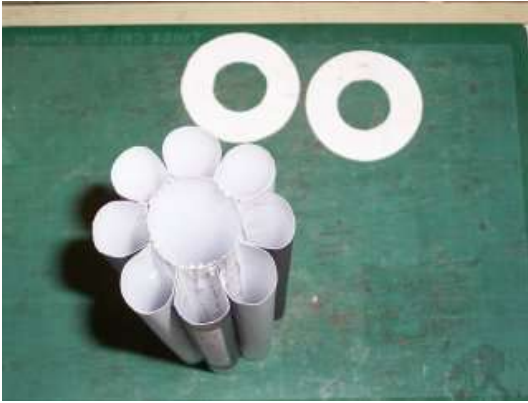


Glue 1C to the serrated end of the cylinder. Glue the hatches, 1D, (8 pieces), to the markings on the bottom.

Tank section

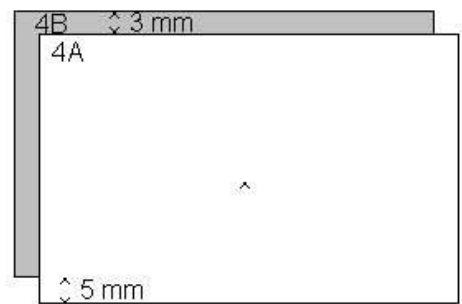


Glue 2A to a cylinder. It's a good idea to stabilize the part with a couple of pieces of paper rolled and inserted into the cylinder. Cut out, score and roll the lines on the outer tanks, 3A and 3B, (8 pieces) and glue them to the corresponding markings on 2A.



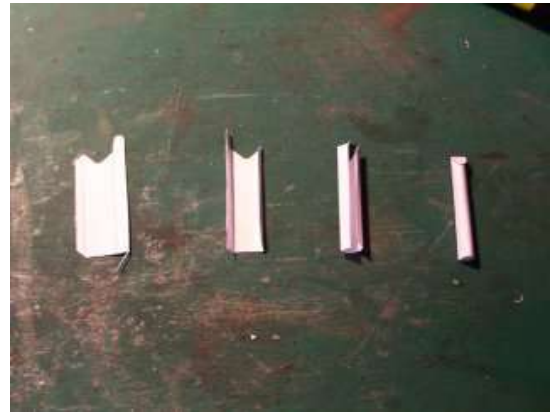
Glue 2B and 2C to a piece of the cardboard and cut out. Glue the discs to the ends. The upper one is a fraction smaller. Cut out 5B and place around the tanks. DON'T GLUE IT TO THE TANKS.

Connector part

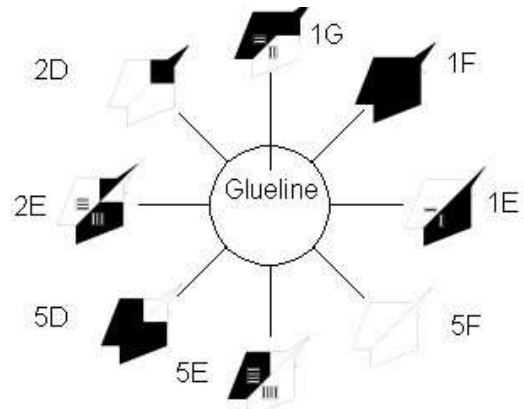


Cut out 4A and 4B and glue back to back, so 4B are sticking 3 mm out from 4A, and 4A sticking 5 mm out over 4B, and with a slip in the end, for gluing it to a cylinder. After drying, glue to a cylinder, with the outside, 4A, fitting end to end, and 4B with a small overlap. Glue 4C to the top end of 4B for strenghtning.

Final mounting



Mount the three parts. Make sure that the glue line follows the split between the two tanks, and that the glue line on the upper section is parallel to the glue line on the bottom section. Cut out 5A and glue to the inside of the top, so the markings follow the other tanks. Cut out 5C, (4 pieces) and score, fold and glue. This is glued to the top section, 45° from the glue line, alternating with 90° spacing. Glue the collar, 5B, to the top of the bottom section with the glue tags. Make sure that the glue line on 5B fits to the glue line of the bottom section.

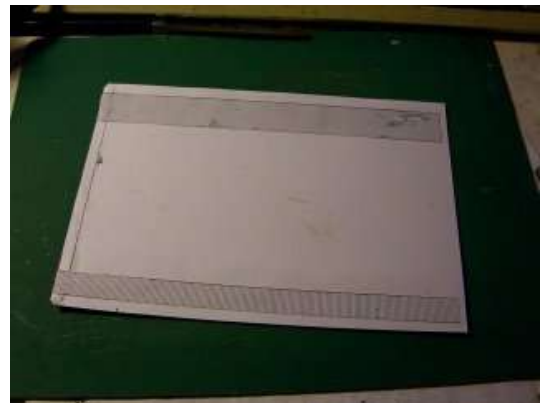
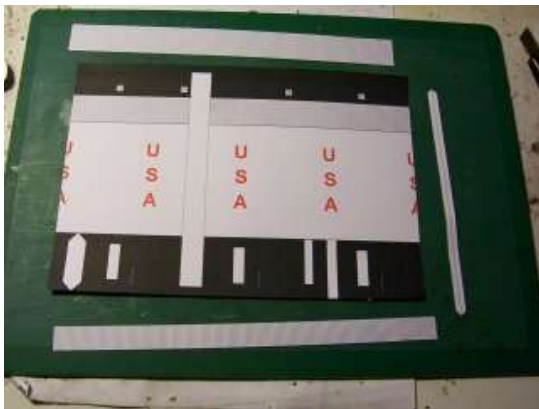


Cut out the fins, fold between the green markers and glue. This is then glued to the bottom section, (illustrated in the picture above - showing the top view), so the notch in the fins fits to the upper end of the bottom section. Glue 5C, (4 pieces), to a piece of cardboard and cut out. Glue to the top end as shown in the picture. Cut out 5E, 8 pieces, roll and glue to the nozzles. Glue these to the bottom end.



Cut out the vents, 5D,(8 pieces), and glue to the similar markings on the tank section.

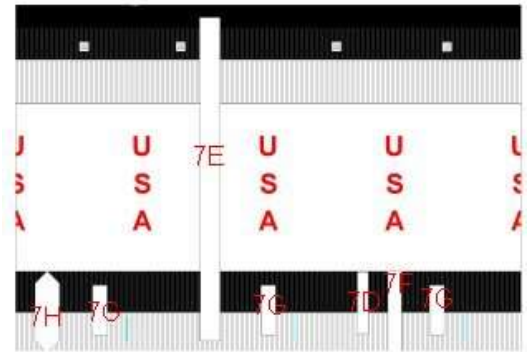
Second stage



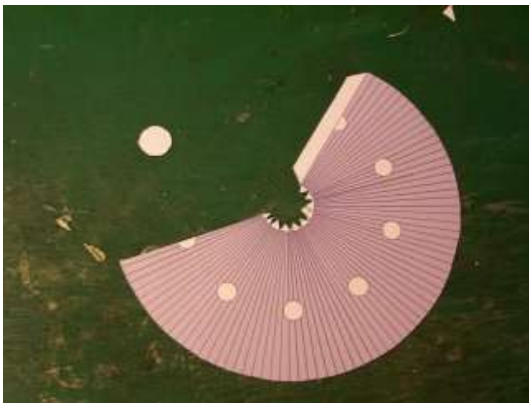
Cut out 6A and 7A-B. Glue the glue tag to the edge of 6A. Glue 7A-B to the back of 6A, so they fit to the glue line at the end, and 4 mm from the upper and lower edge.



Glue 6A to the cylinder. Glue 7C to a piece of cardboard and cut out (2 pcs.). Glue to the inside of the cardboard at both ends. Cut the fold and glue the fittings for the second stage.



Glue the fittings to the stage as indicated in the illustration. Glue 7I to a double layer of cardboard and cut out. Glue to the cyan markers.



Glue 8A to form a cone, and glue 8B to the narrow end. Glue this into the bottom of the stage, so it rests on the disk, 7C. Glue 8G to the cylinder, and glue to the bottom end. Glue 8J to form a cone, and glue into the end of 8G. Cut out 8H, roll the tips around a toothpick and glue into a ring. Glue the tips to a round shape, and glue to the round marker on 8G. Cut out 8I and roll and glue as for 8H. Glue to the round markings of 8A.

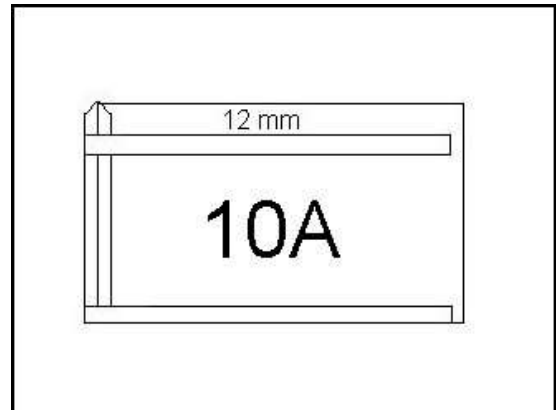
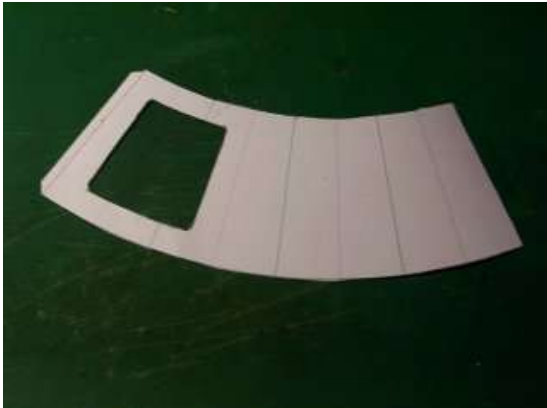


Glue 8D to the center of 8C. Glue to the tank top and then glue into the upper end.

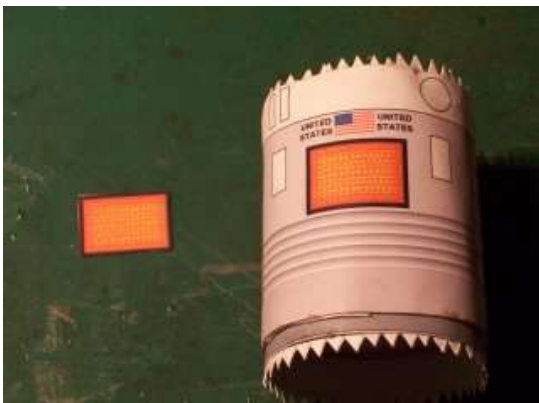
Intersection and Apollo



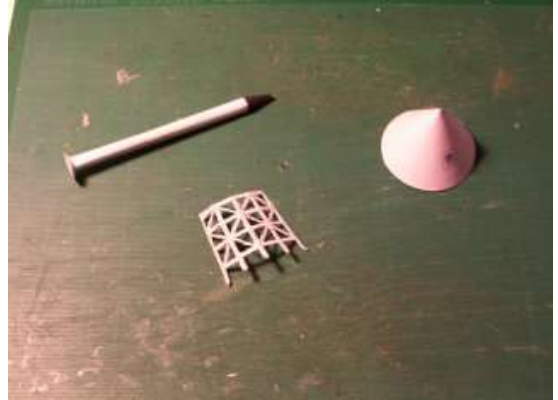
Fold and glue 8E-F to a cross section. Glue 9B to a cone. Glue 9C inside 9b, sticking halfway up at the line. Glue 8E-F into the cone section, so the upper surface fit to the lower side of 9C. Glue 9M to a small cylinder, and glue to the middle of the cross section.



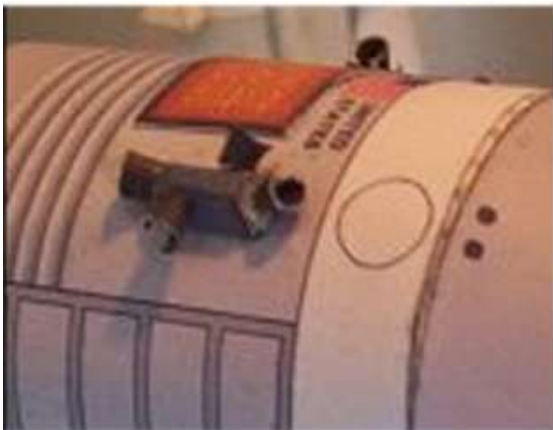
Glue 10B to a cone. Alternative, page 10b can be used, with a window into the docking module. Glue a piece of plastic at the inside before gluing it to a cone. Glue 10D-E to the backside of 10A, one of them along the bottom line (grey end) and 12 mm from the top. Glue 10A to a cylinder.



Glue 10F to the bottom line, with the bottom grey line sticking out, and glue 10N to the inside of 10F, with the gluetags sticking out. Glue 10L to the similar marker. Glue 11P (2 pcs) to a piece of cardboard and cut out. Glue to the inside of the bottom ring and the outside of the upper ring. Glue 10C to the inside of the upper end of 10A. Glue 9A to a cone. Glue 9G into the narrow end of the cone. Glue 9A to the upper end of 10 A. Glue 10H-I to a piece of cardboard and cut out, and glue 9H to the marking on 9I. Glue 9H-I to the back end, with the corners pointing towards the glueline and the white rectangles on 10A



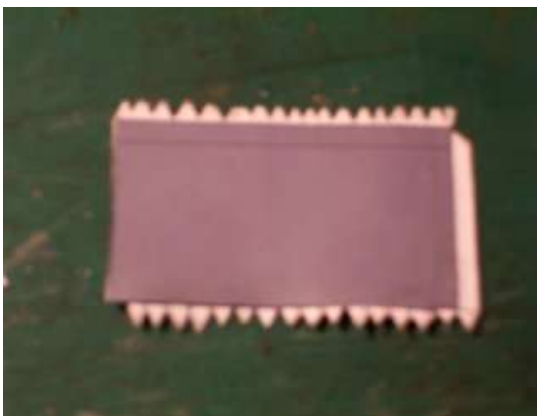
Glue 11A to a cylinder, and glue 9I to a tip, and glue 9J to a flat cone. Glue together to the top part of the rescue tower. Glue 10B to a piece of cardboard, score and fold the corners, and cut out the truss. Glue to a 4-sided truss. Glue 9F to a cone. Glue the truss to the top of 9F (no markings), and glue the rescue rocket to the top of the truss. Make sure it's nice and straight. Glue 10G to a truster box (4 pcs), and glue to the white rectangles. Cut out 8L (16 pcs (and a couple of extras)), and roll to thrusters. Glue the narrow end to the markings on 10G. Glue 9H back to back and cutout. Glue to tip of the Apollo.



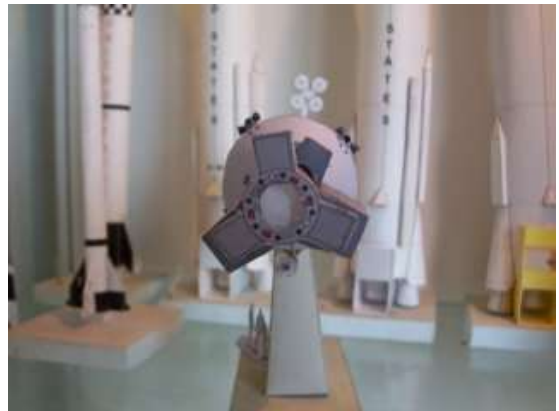


Glue 10M to a piece of cardboard and cut out. Glue 10J to 10M, and glue 10K to the arms of 10J. Bend and glue the end of 10M to the rectangular white mark on the bottom end of the service module. While mounted in launch configuration, the antenna shall bend down, along with the engine nozzle.

ASTP docking module (optional)



Cut out 11C and the gluetags and glue together. Glue to a cylinder with the gluetag. Cut out 11K-L, and glue together half over half. Roll and glue to a cylinder, so the the ends of 11K fits end to end. Glue 10E to a piece of cardboard and cutout. Glue into the lower end (without the ring), so it fits to the inside of the gluetag



Glue 11H to a ring, and glue 11J into the bottom. Cut out 11F, and glue 11G (3 pcs) to the backside of 11F. Glue 11M to a conical section, and glue 11H-J into the center cut out. Glue 11F-G into the upper end of 11C (with the ring) Glue 11M to the other end, and glue the white end of 11K-L into the narrow end of 11M. Glue 11M to a cone, and glue into the end of 11K-L. Glue 11D to a piece of cardboard and cut out. Glue to the end of 11K-L. Fold and glue 11N (2 pcs) and 11Q to boxes. Glue to the docking module as picture, with 11N behind the docking guides. Fold and glue 11P along the green line and cut out. Cut out 11O, cut out the middle hole, and glue to 11P at the black/white intersection. Glue to docking module as picture (no markings).

Stand

Glue 12A to a platform. Glue 12B to a ring, and glue it to the middle of the backside of 12A (No markings). Glue 12C (2 pcs) to a small ring, and glue it to the markings of the top of 12A.

Optionally, nameplate and astronauts.

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