



## Instructions Stage 1



**This is the third part of what has to become a 1 : 48 scale Apollo / Saturn V model.  
This part contains 3 separate items:**

**the body of stage 1  
the forward skirt of stage 1  
the instrument tunnels of stage 1 .**

**When completed, the first stage will be ready.**

**Please keep in mind that this model is by no means a “replica”, it is just build because I like to look at pictures of the real thing and to find out what is possible to “transfer” into paper.**

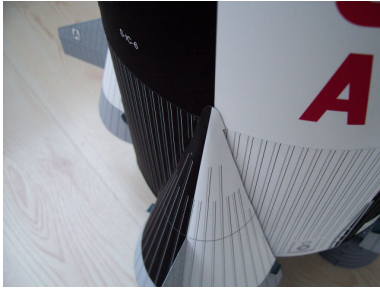
**Print out the part sheets on 8.5"x11" or A4 size white paper card stock.**

**Have fun with this model, I know I did.**

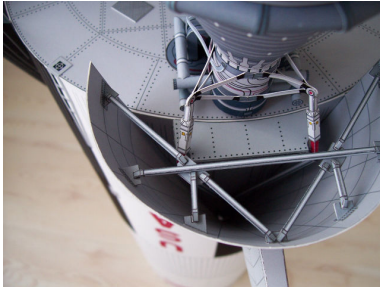
**Greelt A. Peterusma**

**For any comments, suggestions, pictures of your builds or nice words you can contact me at:**

**[saturn5@chello.nl](mailto:saturn5@chello.nl)**



First of all i like to appologise for putting the wrong skin for the engine fairing on the release of the Thrust structure.  
This download contains the right one.



For those people who did not like the engine fairing completely open, i have added a set of shields to put in.



Now on with the main body :

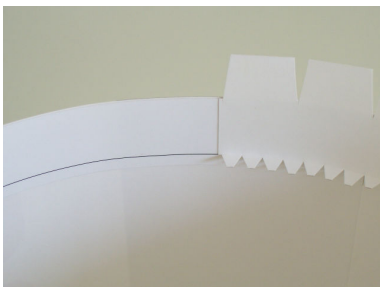
Glue together parts #1 and #2 with parts #3,  
please note that the sequence should be :  
Part #1, part #2, part #1 and part #2.



Glue parts #4 between parts #3 on the bottom side of the "ring".  
Parts may need trimming to fit.



Glue parts #5 between parts #3 on upper side of the "ring"  
Parts may need trimming to fit.



Glue parts #6 on top of parts #5.  
Parts may need trimming to fit.

Glue the "ring" to the Thrust structure, line up the white areas where the tunnel should be glued

The easiest way is to fold the tabs on the thrust structure a little bit inwards, position the "ring" over it, and glue the tabs one by one from the inside



Glue Parts #7, #8, #9 and #10 on the “ring” at the marks.

Please note:

part #7 (   )	should be glued between fins D and A
Part #8 (     )	should be glued between fins A and B
Part #9 (       )	should be glued between fins B and C
Part #10 (         )	should be glued between fins C and D

Cut a piece of cardboard with a diameter of 216 mm and a hole with a diameter of 120 mm and glue this inside this “ring”

The next “rings” are build the same way



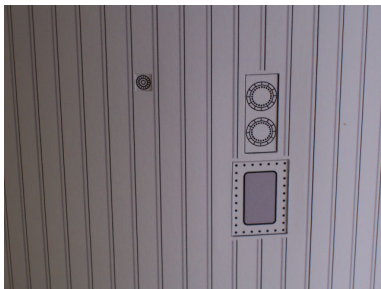
This “ring” is made with part #11 thru part #21.

Cut the hole in part #11 and glue part #12 behind it. (twice)  
 Cut the hole in part #13 and glue part #14 behind it.  
 Cut the holes in part #15 and glue part #16 and #17 behind them.

Glue parts #11, #13 and #15 together with tabs #18.

Please note that the sequence should be : part #11, #13, #11, #15.

Proceed with the other parts as described before.



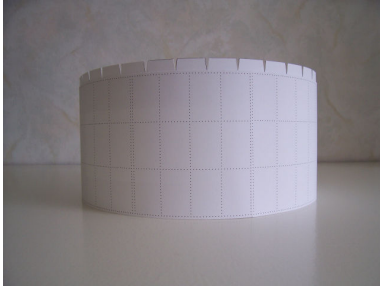
Glue this “ring” to the previous made, following the same procedure.

Note that the hatch should be positioned between fin A and B and that the white areas for the tunnels are lined up.

Cut a piece of cardboard with a diameter of 216 mm and a hole with a diameter of 120 mm and glue this inside this “ring”.







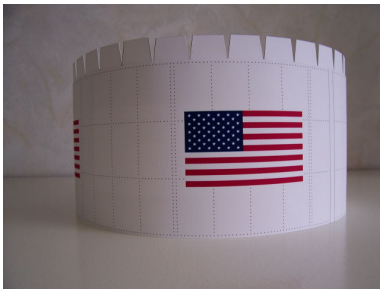
This “ring” is made with part #22 thru part #27.

Glue together parts #22 and #23 with tabs #24.

Please note that the sequence should be : part #22, #23, #22, #23.

Glue this “ring” to the previous made, following the same procedure.

Cut a piece of cardboard with a diameter of 216 mm and a hole with a diameter of 120 mm and glue this inside this “ring”.



This “ring” is made with part #29 thru part #34.

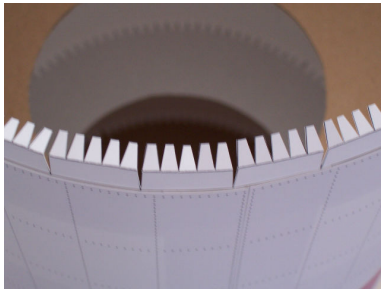
Glue together parts #29 and #30 with tabs #31.

Please note that the sequence should be : part #29, #30, #29, #30.

Glue this “ring” to the previous made, following the same procedure.

Cut a piece of cardboard with a diameter of 216 mm and a hole with a diameter of 120 mm and glue this inside this “ring”.





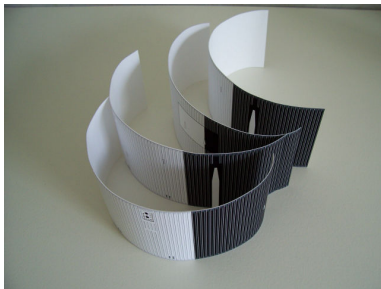
This "ring" is made with part #22 thru part #26 and part #28.

Glue together parts #22 and #23 with tabs #24.

Please note that the sequence should be : part #22, #23, #22, #23.

Parts #28 are special tabs to fit inside the forward skirt.

Glue this "ring" to the previous made, following the same procedure.



Cut parts #1 thru #8.

Cut the holes in parts #1, #3 and 5.

Glue part #2 behind part #1.

Glue part #4 behind part #3.

Glue part #6 behind part #5.

Glue part #8 behind part #7.

Match the print on parts #2, #4 and #6 with the holes on parts #1, #3 and #5.

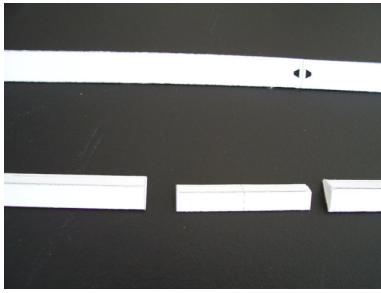


Glue the above made parts together to form a ring.

The sequence should be part #1, part #3, part #5, part #7.



Glue the "ring" to the main body, keeping the small tabs free as indicated on the photo.

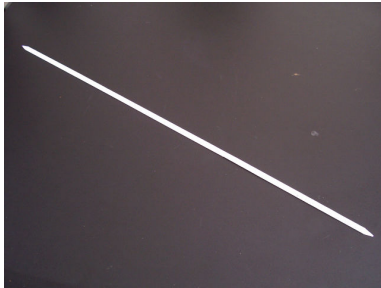


Now its time to make the two umbilical tunnels.

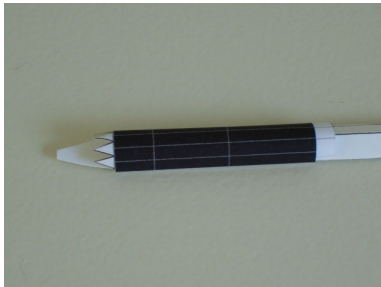
Cut parts #1, #2, #3 and #4 and form and glue them to a triangular shape.

Glue parts #1, #2 and #3 together with parts #4 wich should fit inside those parts.

Watch the marks on parts #1, #2 and #3.

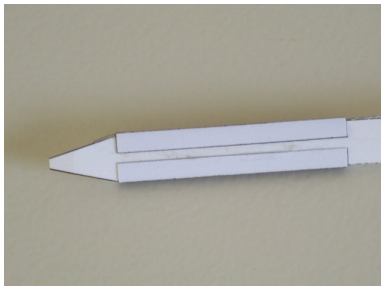


You should end up with two of those long parts.

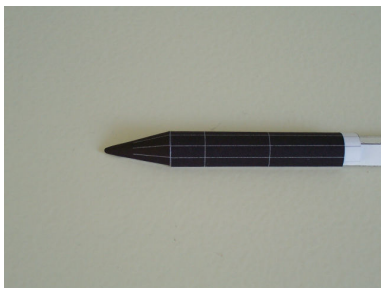


Cut part #5 and form into a half cilinder.

Glue part #6 inside the half cilinder on one side and part #7 on the other side.



Glue part #5 around the earlier made long triangles.



Glue part #8 in place as shown.

Continue with parts #9, #10, #11, #12, #13

Before glueing to the triangles you should glue a tab #7 to those parts.

Before glueing the last white part, check if the total length matches the white area on the main body, it should but you never know.

Glue a tab #6 to part #14 and glue this to the triangle.

Finally glue part #8 in place.



When both tunnels are ready glue them to the main body, matching the black and white colours.



Back to the main body parts.

Cut a piece of cardboard with a diameter of 216 mm and a hole with a diameter of 120 mm and glue this inside the top "ring" on the small tabs inside the main body.

Cut parts #16 and glue this on the cardboard ring, parts may need trimming to fit.



Glue parts #9 inside the top "ring".

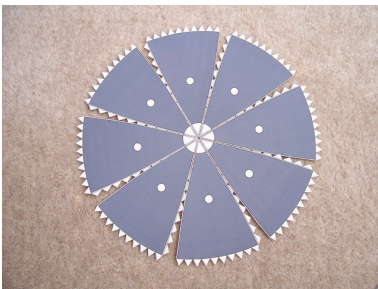
Glue parts #10, #11, #12 and #13 inside the top "ring", matching the patterns on the outside with the ones on the inside.

Start with parts #10 and #12, matching the tunnels, and glue the other parts in between.

The top "ring" is now made of four layers of paper.



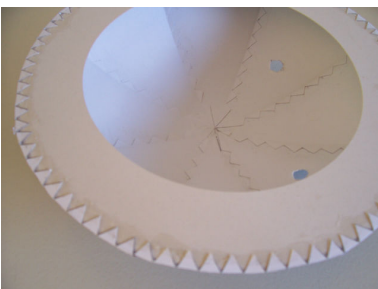
Cut, fold and glue boxes part #23 and #24 and glue them in place.



Cut parts #17 and glue together with the large tab to form a circle.

Cut one of the white circles out and another one second from the one just cut.

Glue the parts to form a dome.

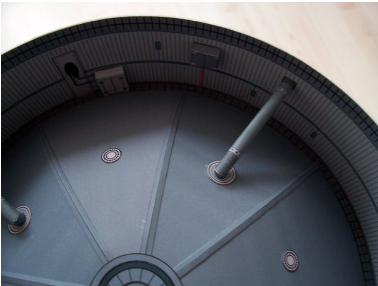


Glue a former inside the bottom part of the dome.

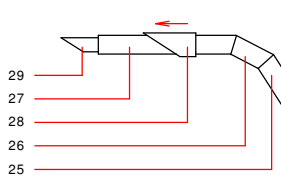


Glue strips #18 on the seems of the dome.  
Glue parts #19 on the white circles.

Glue parts #20, #21 and #22 together and glue in the centre of the dome



Glue the dome inside the main body, pointing the two holes in the dome towards the two white circles on the side.



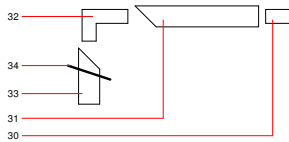
Glue parts #25, #26 and #27 together as shown.  
Glue part #28 and push over part #27.  
Cut, form and glue part #29 and put it inside part #27. Don't glue yet.

Glue the whole assembly in place, adjusting part #29 if needed.  
When fixed, push part #28 towards part #29 to cover it.

This should only be done one time.



This should be the result



Glue parts# 31, #32 and #33 together.  
Glue part #30 on the white circle on the inside of the Forward skirt.  
Push part #34 over part #33.

Glue part #31 over part #30 and drop part #33 into the hole in the dome.  
Glue part #34 in place.

This should be done twice.





**This should be the result.**



**Glue parts #14 inside the Forward skirt, with the printed side facing out.**

**Glue parts #15 on part #14 with the printed side facing in.**

**Glue parts #35 and #36 in place and your done with stage one.**