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Set printer settings to "Print page at 100 %" . Turn off "fit to page" mode.

When printed, this black line should be the exact circumference of the Estes model.

If not, recalculate the needed reduction or enlargement of the print and try again.

When it fits, you can use this same piece of paper. Please print on the other side. Now, all parts should fit perfectly.

This model should fit on both A4 and US Letter size paper. Just use what you always use, print, measure and make adjustments, if necessary.

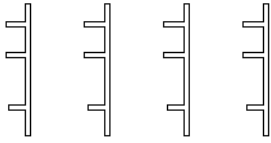


Print these pages in high quality on medium weight paper.

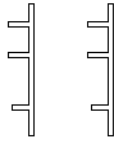
MR 8 VERSION "Liberty Bell 7"

### An update for the Estes Mercury-Redstone rocket scale 1:35.

#### Part P

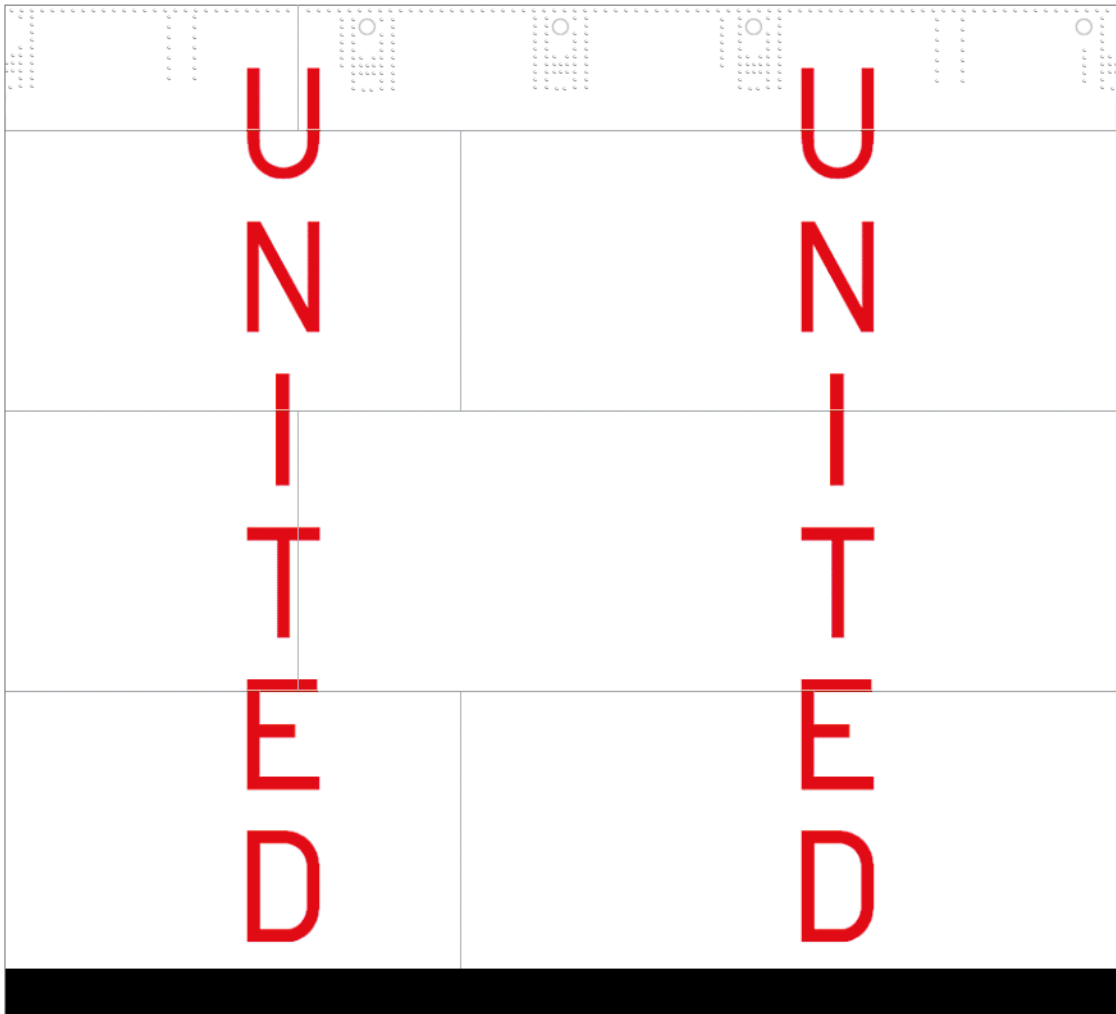


Antenna's, paint silver.



spare

#### Part C



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If you are looking for more space related models, please have a look at these websites:

<http://www.cardinspace.com>

<http://www.lansbergen.net/eng/index.htm>

Drawings by Michael Urban and Erik te Groen. Model design for Estes model by E. te Groen.

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[http://www.estesrockets.com/terms\\_and\\_conditions23.html](http://www.estesrockets.com/terms_and_conditions23.html)



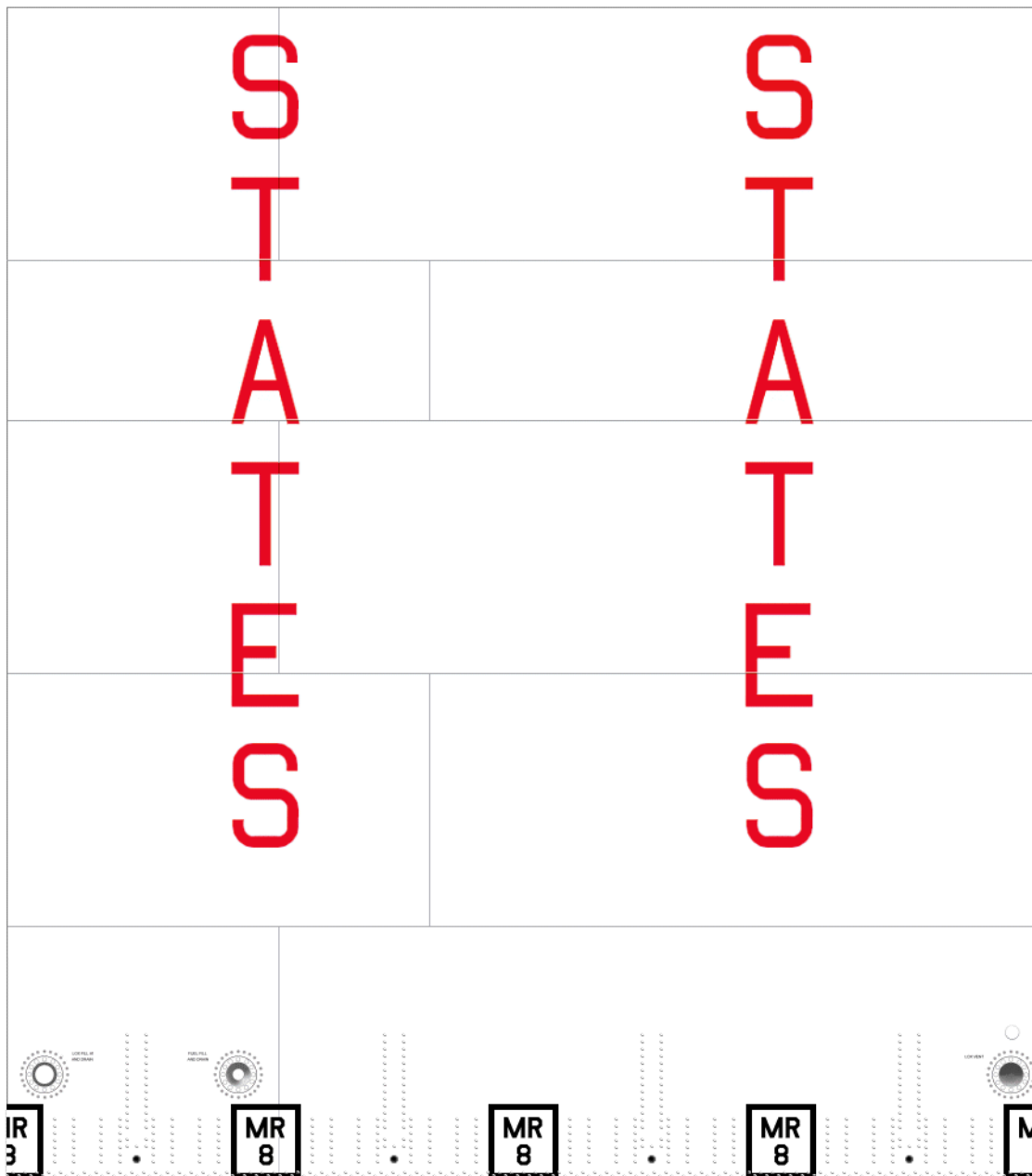
Print these pages in high quality on medium weight paper.

*Gus Grissom's Liberty Bell 7*



VERSION  
"Liberty Bell 7"

**An update for the Estes Mercury-Redstone rocket scale 1:35.**



Part B

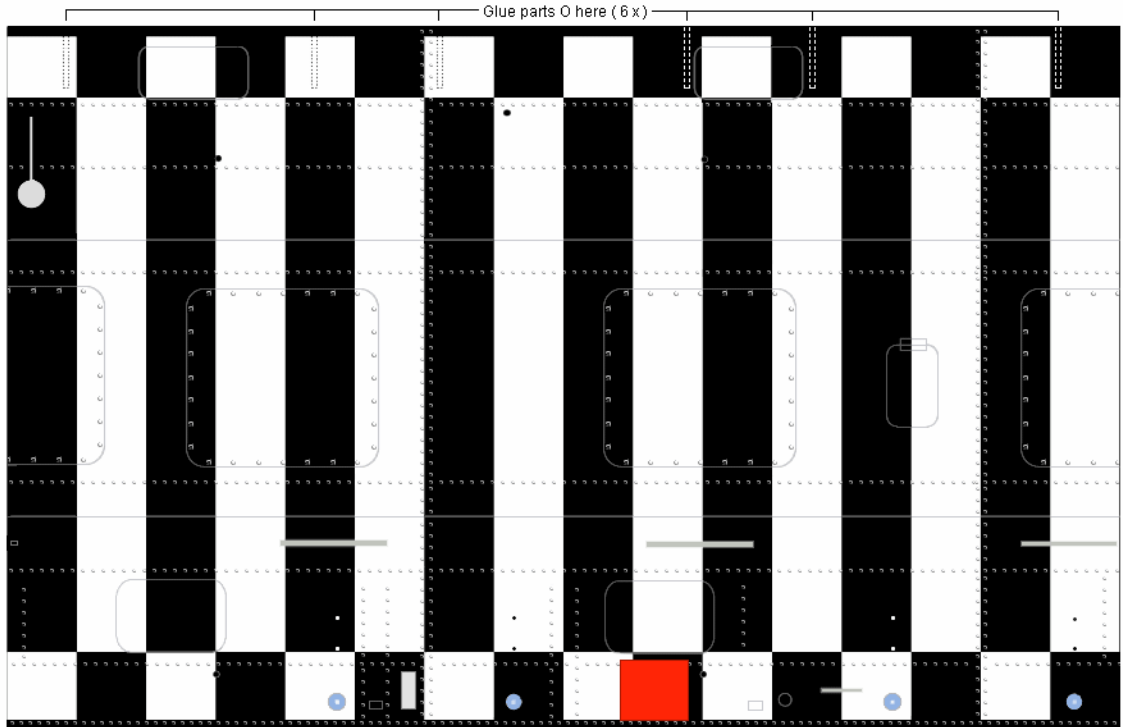
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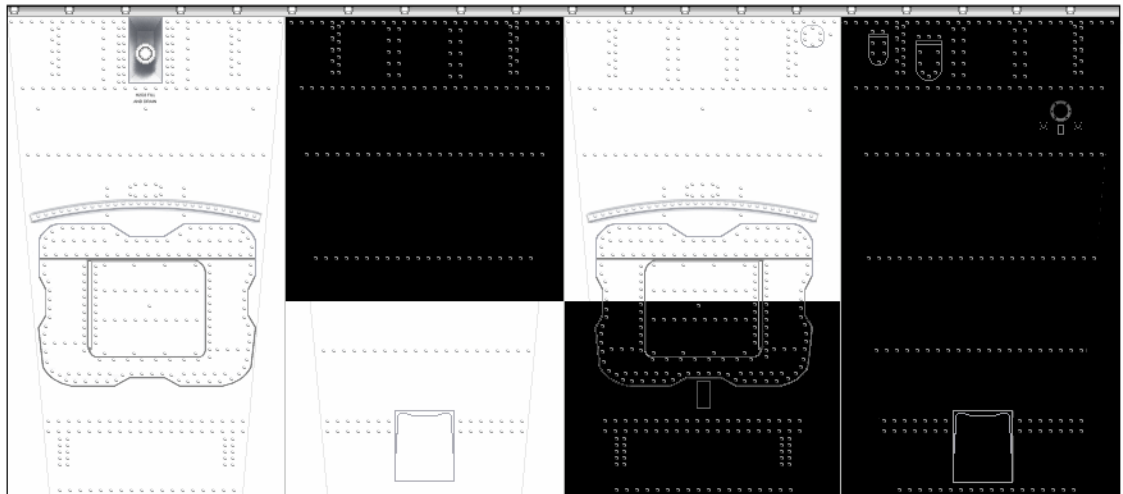
An update for the Estes Mercury-Redstone rocket scale 1:35.



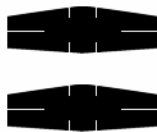

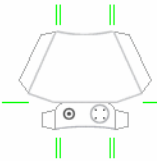


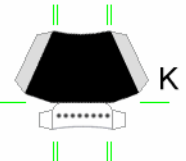
Glue parts O here (6 x)

**F**  **E1**  **E2**  **G**  **H**  **Part D**  **parts O**  **G**  **H**  **I** 

Glue parts E,F,G,H and I onto thick paper.  
Glue parts O onto cardstock.



**Part A**

**M**  **N**  **J**  **M**  **N**  **K** 

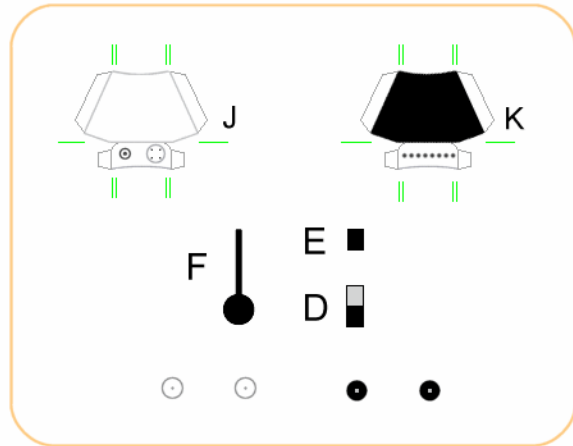
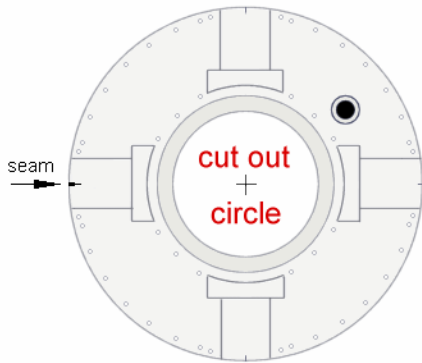
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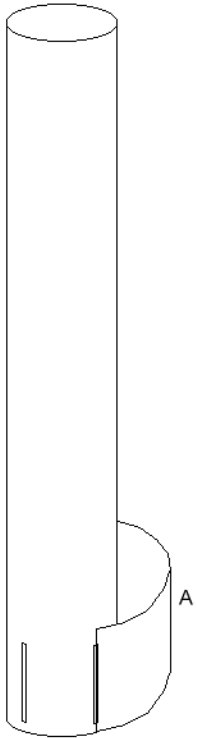
<http://www.cardinspace.com>

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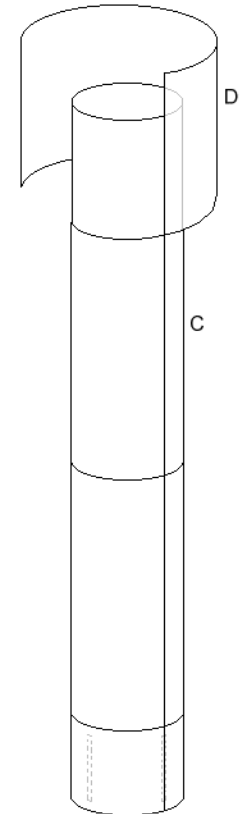
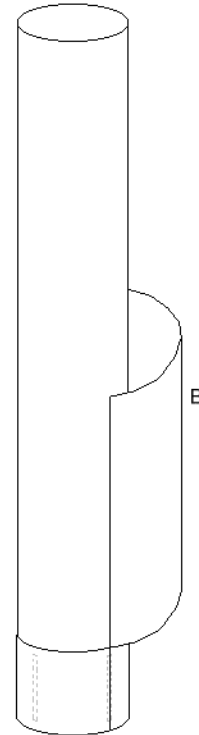
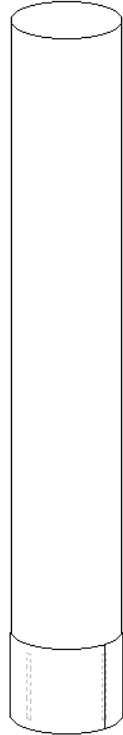
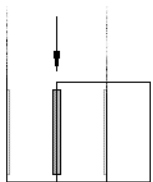
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First glue part A.  
Cover one half of the slot.  
Now, accurately wrap the  
part around the cylinder.



Now add parts B, C and D.  
Make sure you line-up the seams.

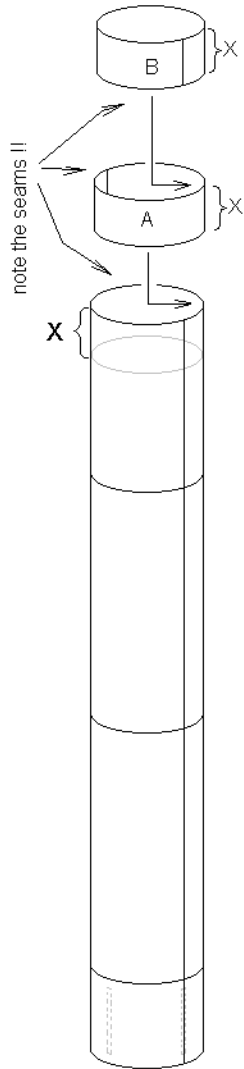
Take extra care, gluing part D.  
Try not to fold or crease this part.

The standard ESTES cylinder is a bit too small.  
We will fill this gap, in the next step.



Placement and alignment must  
be done very accurately !

Strip A and B : Thick paper

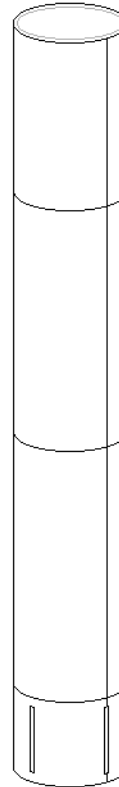


Measure height X.  
Cut strips to the same height.

First, place strip A inside fuselage.  
When glue has set, place strip B inside strip A.

If necessary, make a strip of thin paper  
to make the added rings as thick as the  
ESTES cylinder.

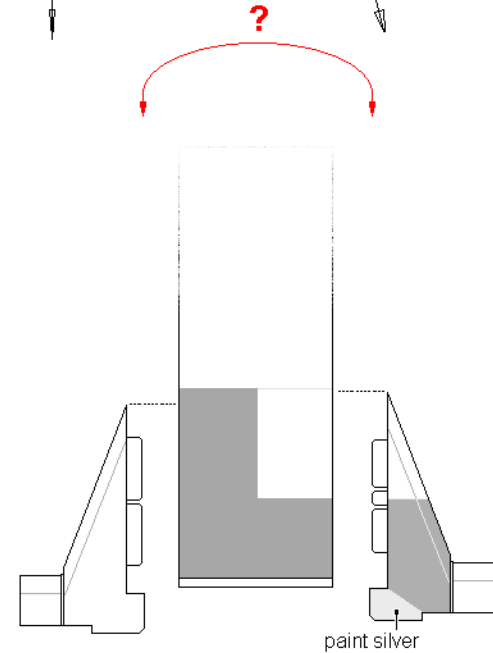
The ESTES capsule base must fit snugly.



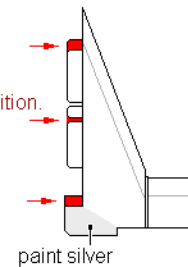
Now cut the 4 slots.  
Make sure the engine mount  
will fit well and that the fins  
will fit into the slots of the engine mount.

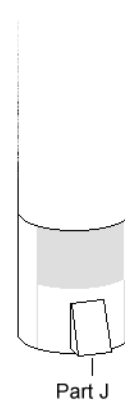
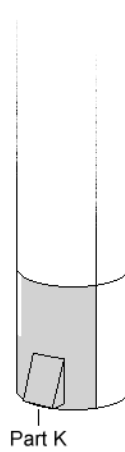
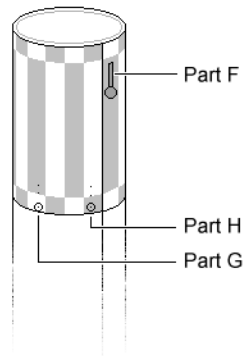
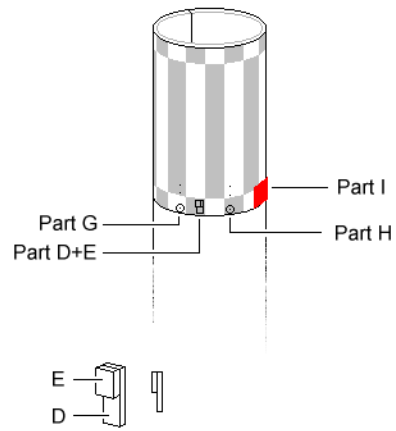
You can keep the fins in their original position,  
(original ESTES, no cutting and sanding required),  
or you can give the fins a realistic position.

Make the decision before  
you start painting.

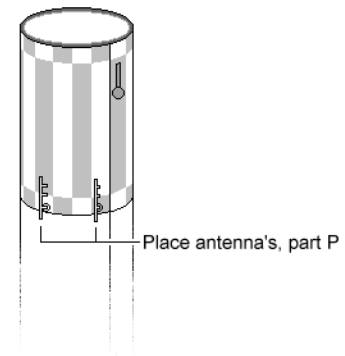
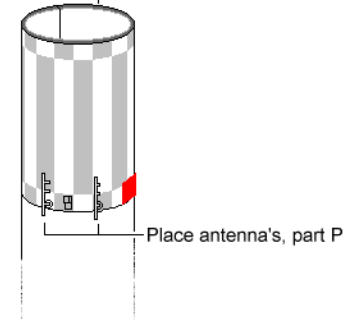


Red : cut plastic away  
until fin fits nicely  
in it's proper position.

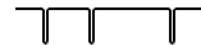




Color top rim black.



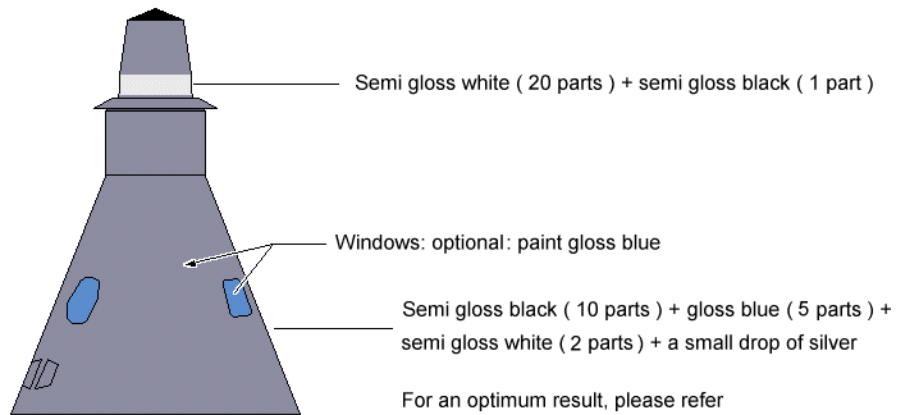
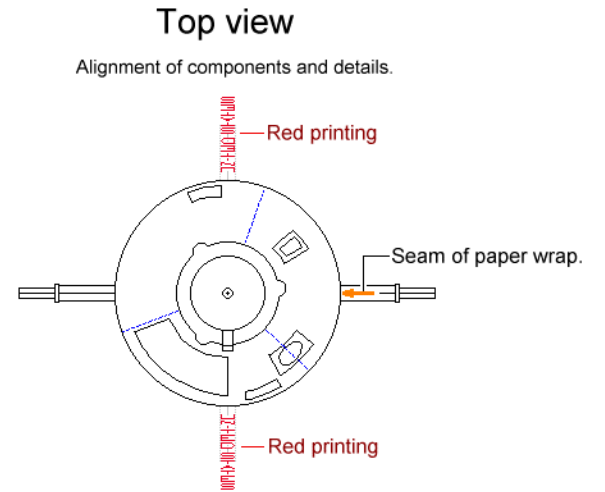
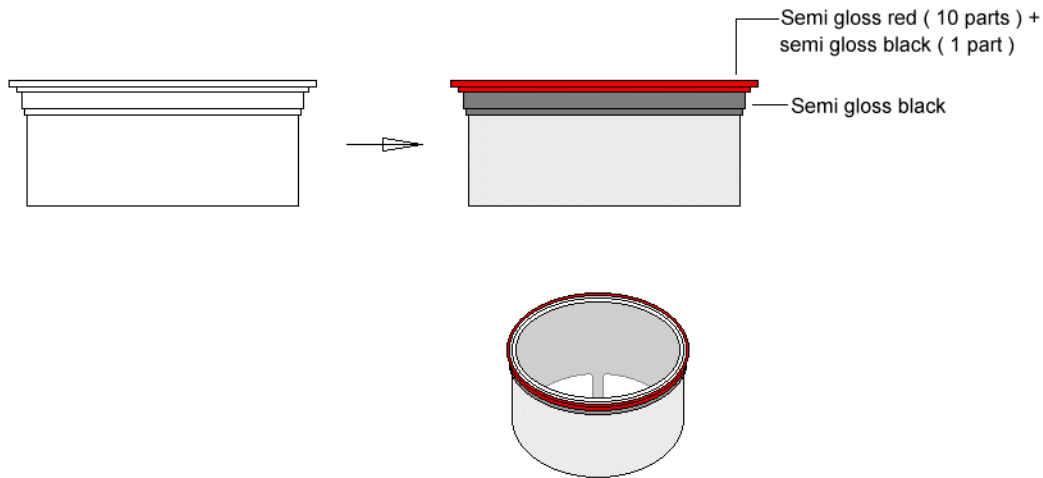
If you are able to make antenna's out of metal wire ( brass f.i. ) then this is highly recommended.  
If soldering is too difficult, take a paperclip, unfold, and make the correct shape, using a pair of pliers.



Take a very small paperclip, made out of very thin metal.

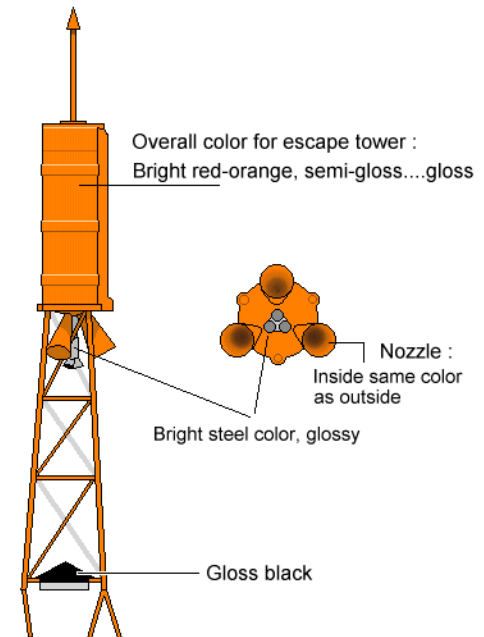
Put an extra piece of paper on the inside of parts K and J.  
If you want to launch the model, it's recommended to make a piece of balsa wood fit snugly.

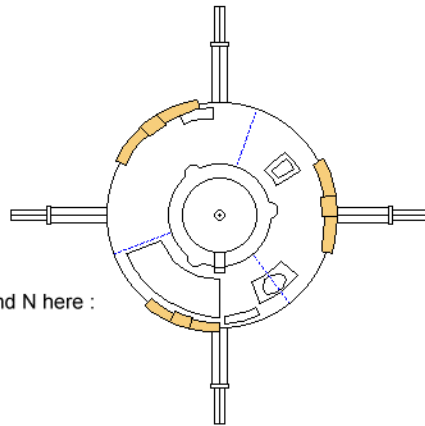
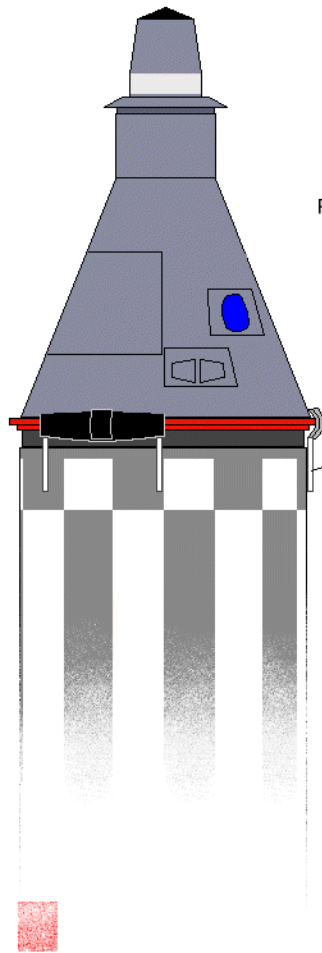




For an optimum result, please refer to pictures of the real spacecraft.  
In pictures, the color of the spacecraft is a dark grey, blue-ish metallic color.

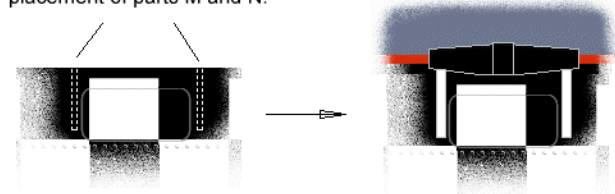
Try to spray-paint the model, since this will give a much better and smoother result than painting this particular mix by hand.



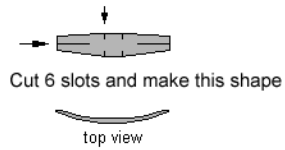


Place parts M and N here :

Use dotted stripes for exact placement of parts M and N.



Part O (6 x)

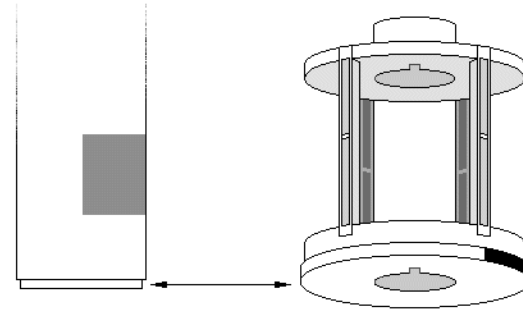


Glue part M into place.

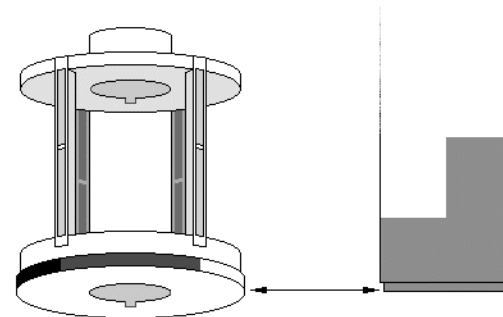
Next, add part N.



Last, add parts O.  
Carefully glue into place.



Paint one half of the rim white, the other half black.



In case you want to launch the model:

Glue parts M and N ONLY onto the red rim !

Glue white strips parts O ONLY to Part D !

