

# Instruction for Ariane 4 (44LP)



Print the model on thin cardboard. Print 2 copies of page 5.  
Print page 4 on the backside of page 3. Print page x on the backside of page y.

To build the rocket you will need a flat cutting surface, a metal ruler, white glue, a sharp knife for cutting, a scissor, some toothpicks to apply glue to the parts.

To strengthen some of the parts you will need some white cardboard. You will also need a small (5 millimeters in diameter) grey pearl. Finally you will need some 1 mm thick wire for the thinnest tubes.



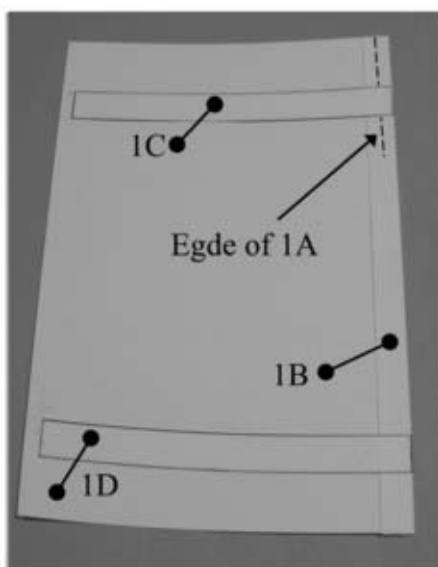
Remember to score all of the parts - particular the small ones - before folding them. I gently score them with a sharp knife.

Due to the use of a sharp knife and the amount of small parts - this kit is not suitable for young children.

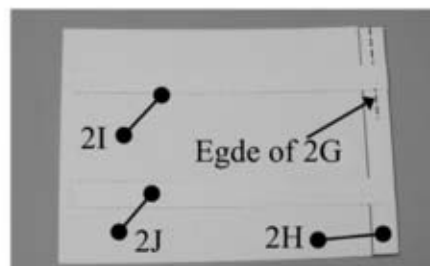
On my webpage - you will find links to websites with hints about building paper models.

You are welcome to send me pictures of the finished model.  
Write to [Nielspapermodels@yahoo.com](mailto:Nielspapermodels@yahoo.com).

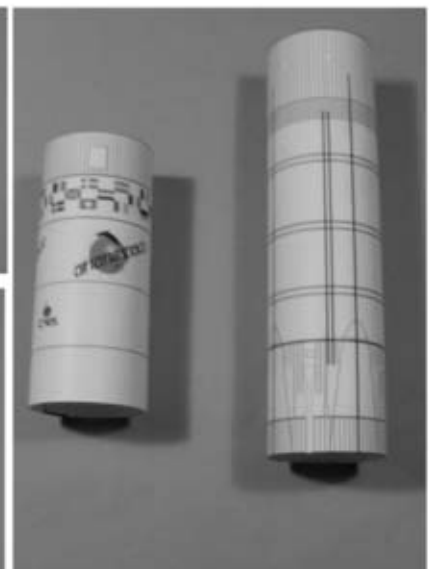
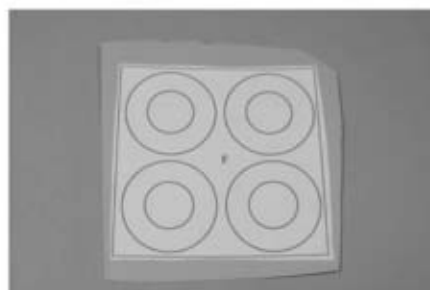
## Stage 1



Glue the connector 1B and the strips 1C and 1D to the backside of 1A.  
Use the red markers as guidelines.

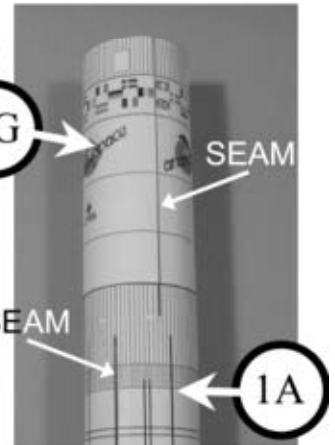
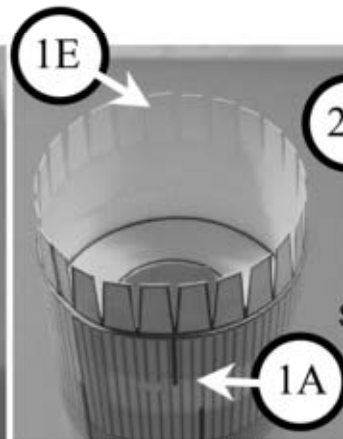
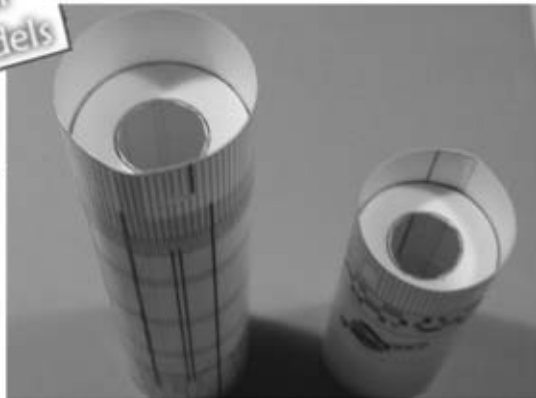
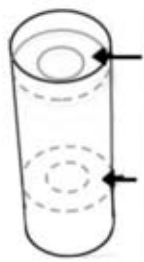


Glue the connector 2H and the strips 2I and 2J to 2G.  
Glue 2F to cardboard.



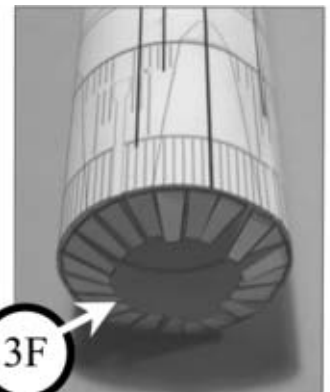
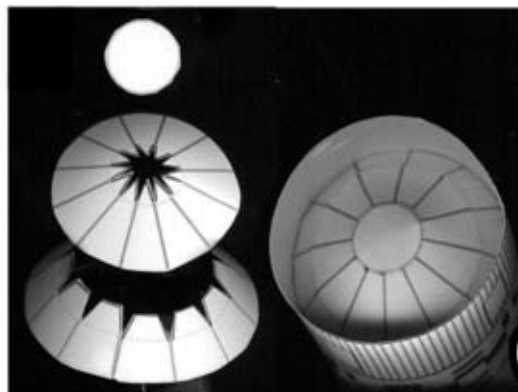
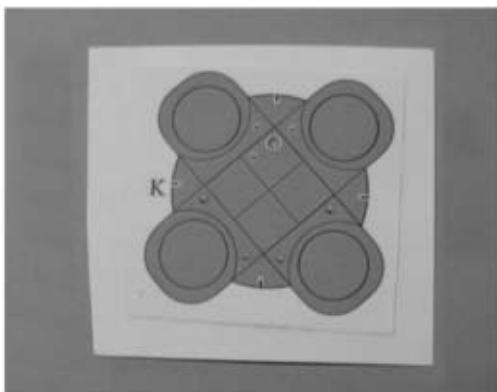
Roll and glue 1A and 2G into two tubes.

# Instruction for Ariane 4 (44LP)



Cut out 2F. Glue two discs inside the top and the bottom of 1A. Then glue the remaining discs inside 2G.

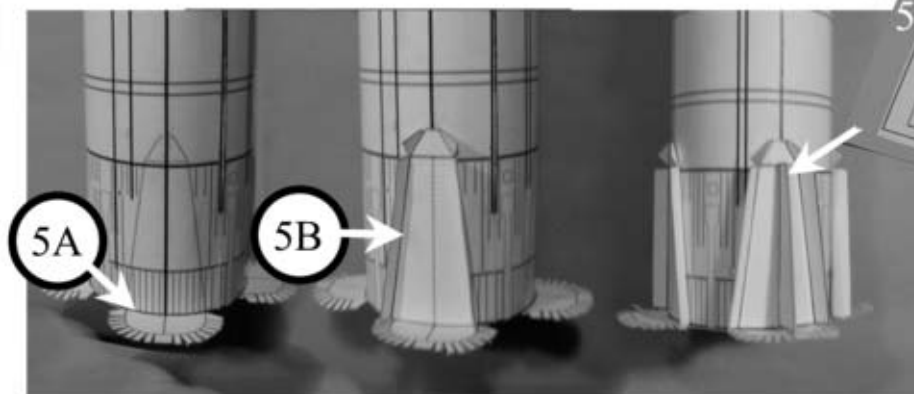
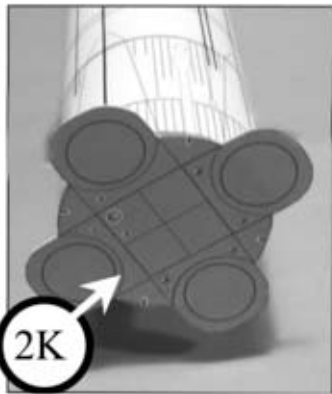
Glue 1E inside the top of 1A. Then glue 2G to the top of 1A as shown above.



Glue 2K to cardboard. Allow to dry.

Assemble 3C-3D and 3E into the tanktop and glue in the top of stage 1

Glue 3F inside the bottom of stage 1.

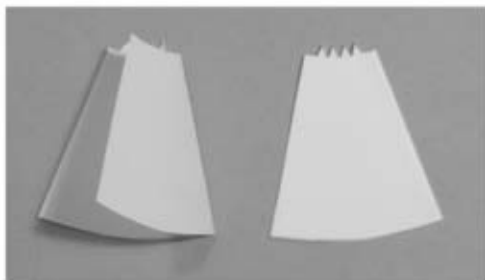


Glue 2K to the bottom of the stage.

Glue 5A to the bottom plate.

Glue 5B to the stage as shown.

Glue 5C to cardboard - then cut out and glue to 5B.



Glue 5D to the glue tab in one side. Then fold over and glue to the other side.

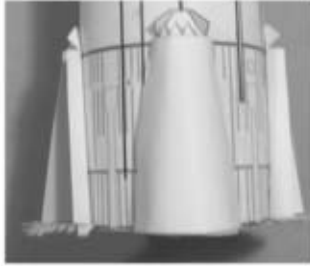


Fold and glue 5D. Allow to dry.

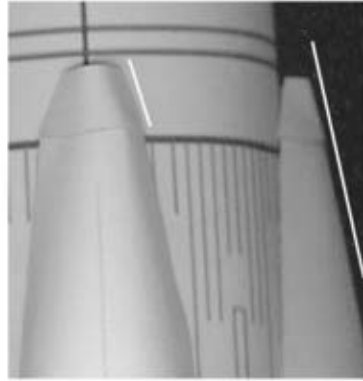
Fold the glue tabs.

This is a little difficult.

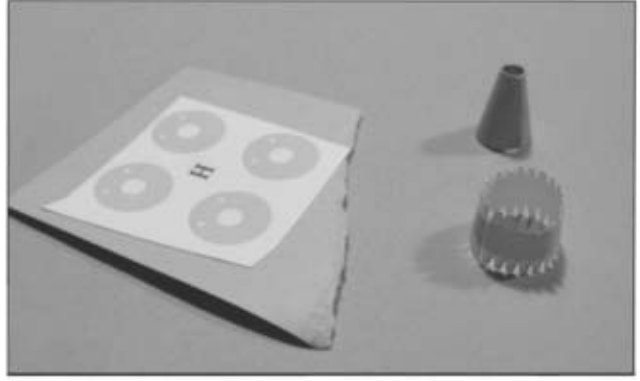
# Instruction for Ariane 4 (44LP)



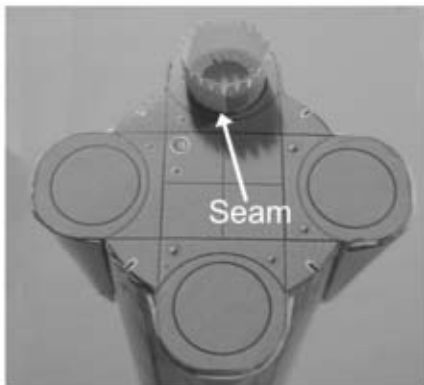
Finished side skirt.



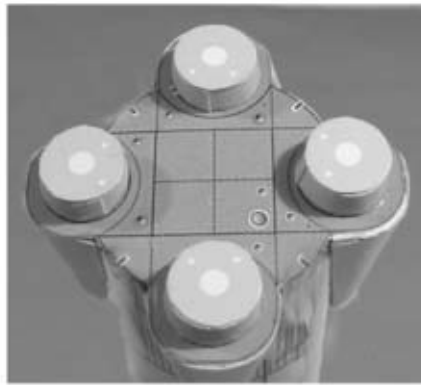
Glue 5E at the top of the 5D  
Notice the shape as shown



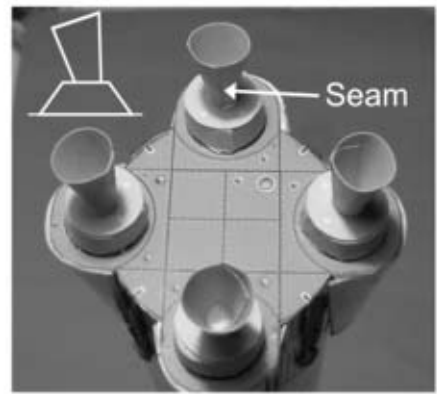
on the photo. Glue 3H to cardboard. Roll and glue 3G and 3I in to cones.



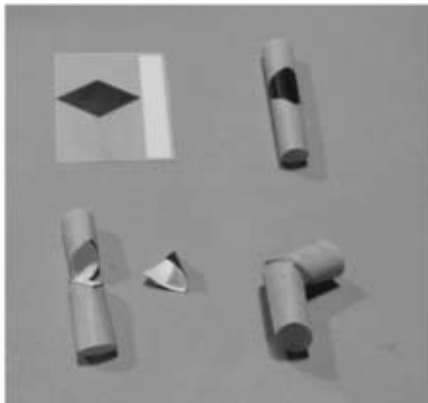
Glue 3G to the bottom plate.



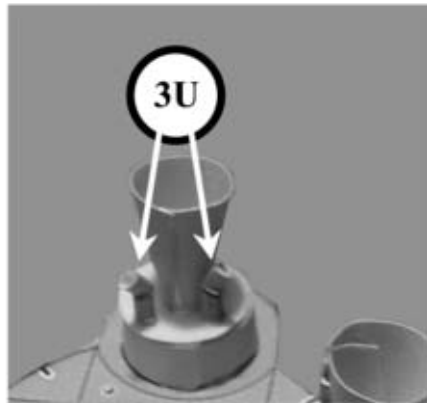
Glue 3H to 3G.



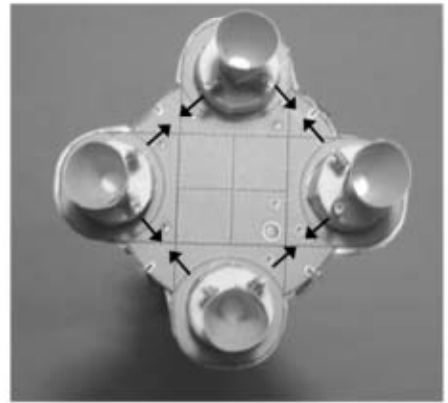
Glue 3I to 3H.



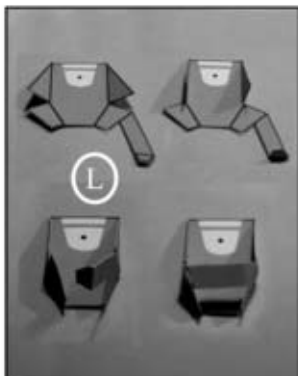
Roll 3U in to a tube. Cut away the black section and bend the



the tube as shown. Then glue it to the white dots on 3H.

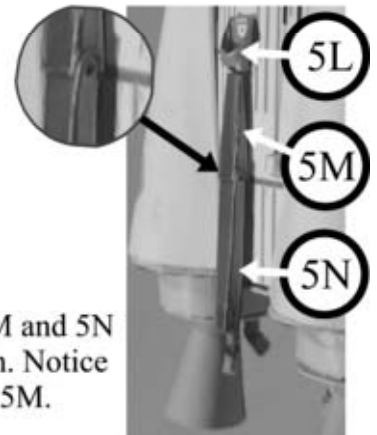


Notice the direction of the tubes.

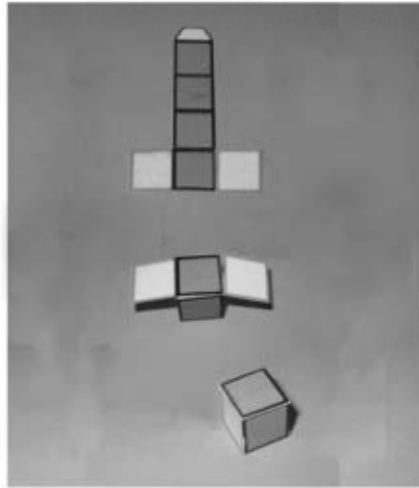


Carefully score 5L, 5M and 5N along all the black lines. Then cut out. Fold 5L, 5M and 5N as shown. Make 4 of each.

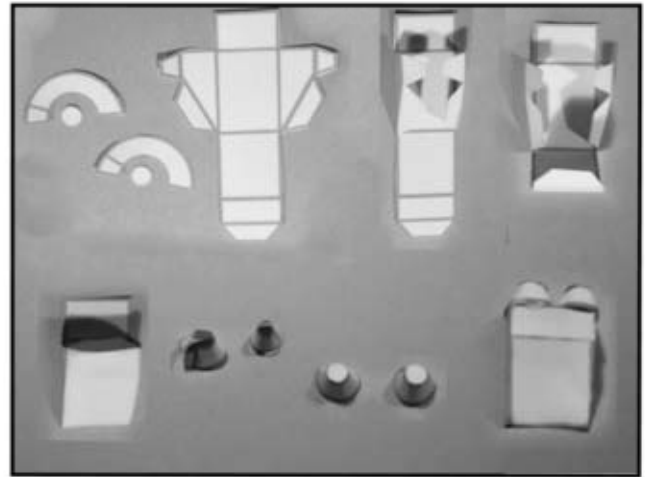
Then glue 5L, 5M and 5N in place as shown. Notice that 5N overlaps 5M.



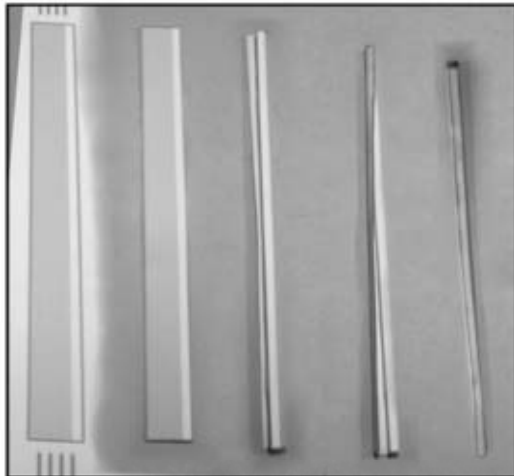
# Instruction for Ariane 4 (44LP)



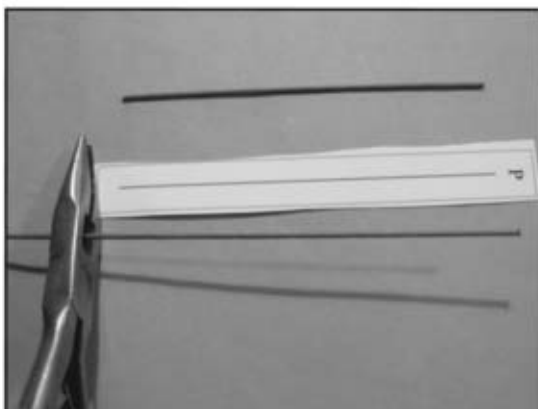
Fold 3R into a box.



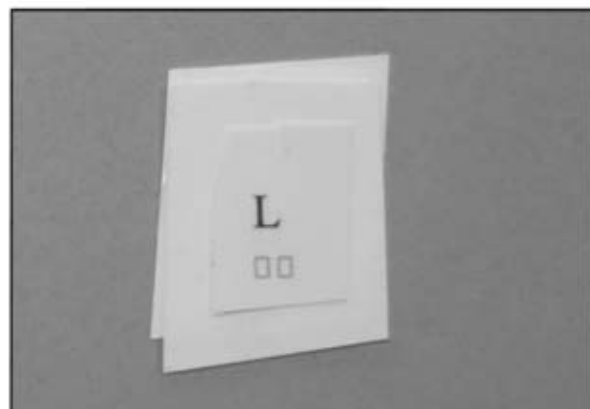
Fold 5I. Roll 5J in to 2 cones and glue 5K on the top. Glue the cones on the top of 5I. Make 4.



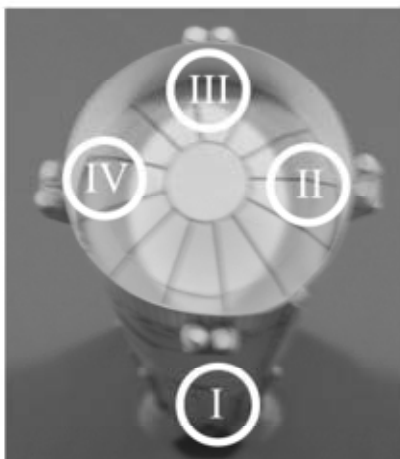
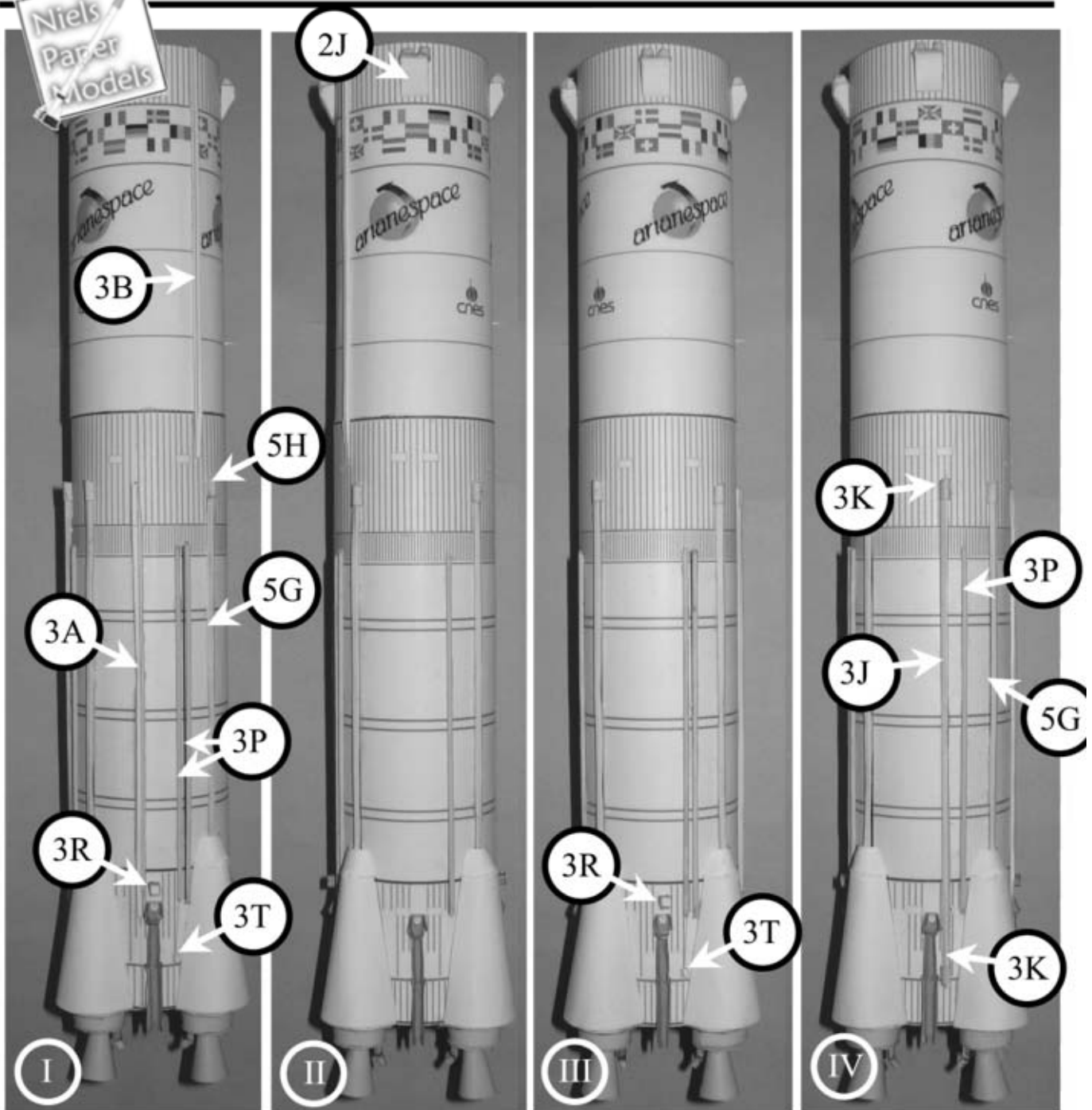
How to make the 4 tubes (5G): Score 5G along the green lines. Carefully fold it in to a long thin box. Then glue it together. Start in one end. Add a little amount of glue - press the two parts together. Repeat this until the tube is finished. Allow the tube to dry. Then gently roll it between your fingers - so it get's the righ sharpe. **Use the same metod on the long tube 3J.**



Use template 3P to cut the thin wire (1 mm) in to the correct lenght. Make four.



Use white cardboard to laminate 3T to a thickness of 1 mm.



Start at side I. Fold the two cableconduits 3A and 3B - and glue them over the seams with 3B at the top.

Place the four tubes 5G above the side skirts. Cover the top of 5G with 5H.

Glue the wire 3P in position - two pieces at side I and III - and one piece at side II and IV. Glue 3R and 3T to side I and III.

Place the long tube 3J on side III. Then cover the top and bottom of 3J with 3K.

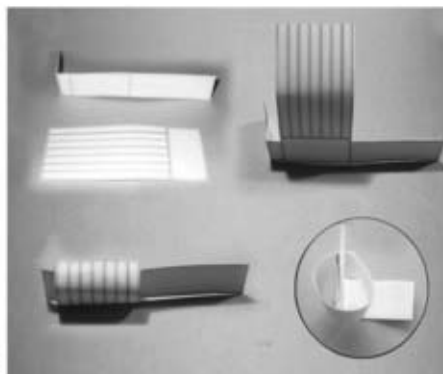
Finally glue 2J to the top of the stage.



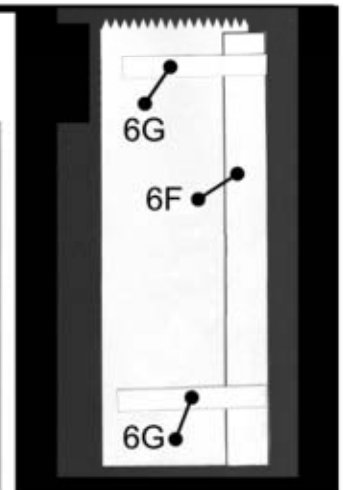
## PAP-boosters



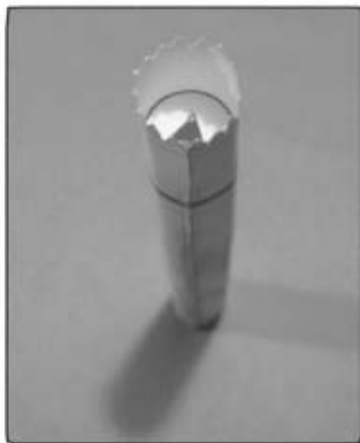
Glue 6A, 6B, 6C, 6D, 6O and 6P to white cardboard. Allow to dry - then cut out. Fold the glue tab on 6D. Glue 6N to 6D.



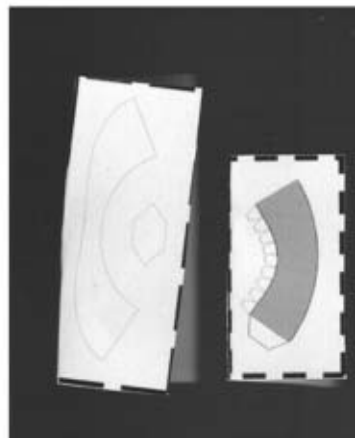
Roll and glue 6N to a cylinder with 6D in the middle. Make 7. Do the same with 6E. Make 1.



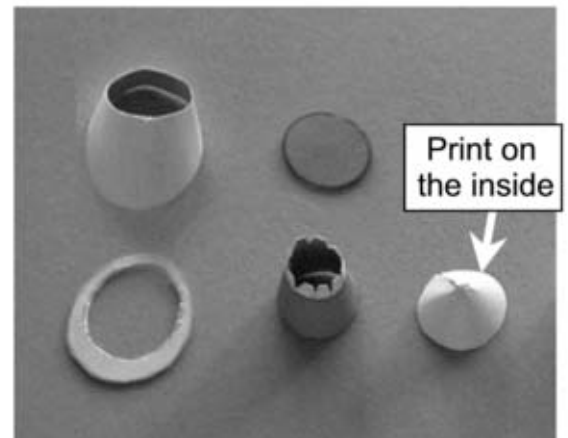
Glue the connector 6F and 6G to the backside of 6H. Use the red guidelines.



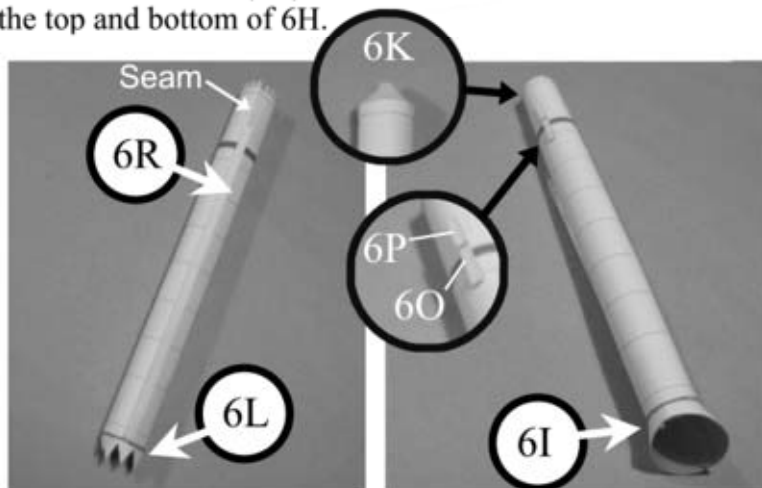
Roll and glue 6H in to a tube. Glue the two discs (6A) inside the top and bottom of 6H.



Fold 6I and 6J as shown.

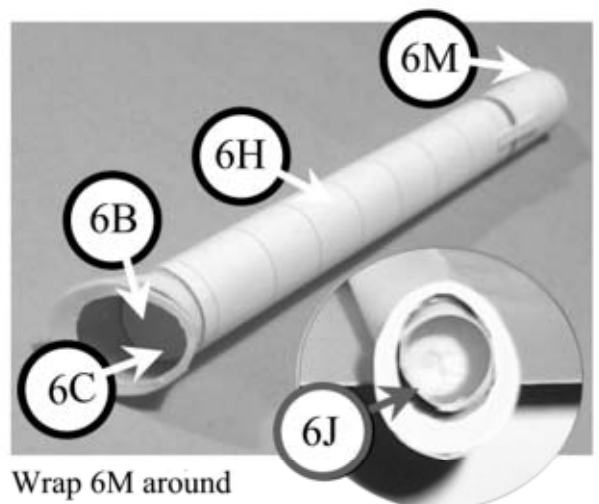


Cut out 6B and 6C. Roll 6I, 6J and 6K into cones using the connectors. Make 2 of each.



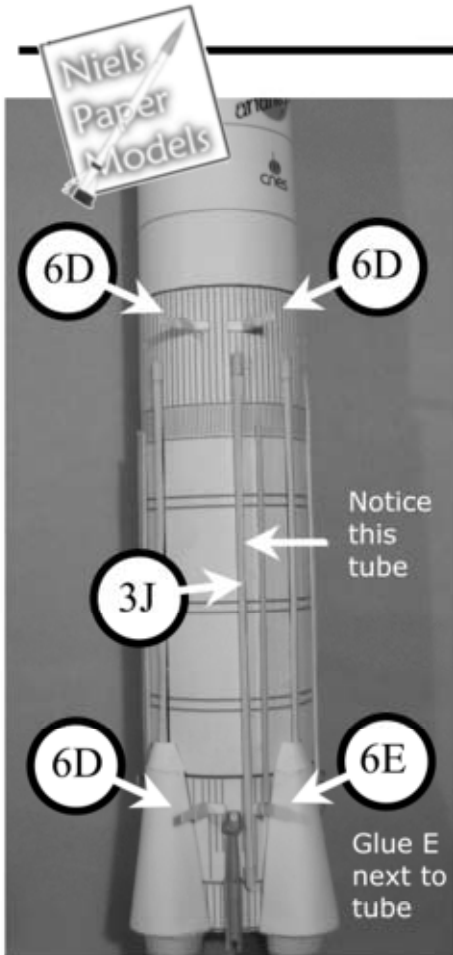
Glue 6L inside the bottom of 6H. The brown collar shall be on the inside. Cover the seam with 6R.

Glue 6K to the top and 6I to the bottom. Align all seams. Glue 6P on the top of 6O - then glue it to the booster.

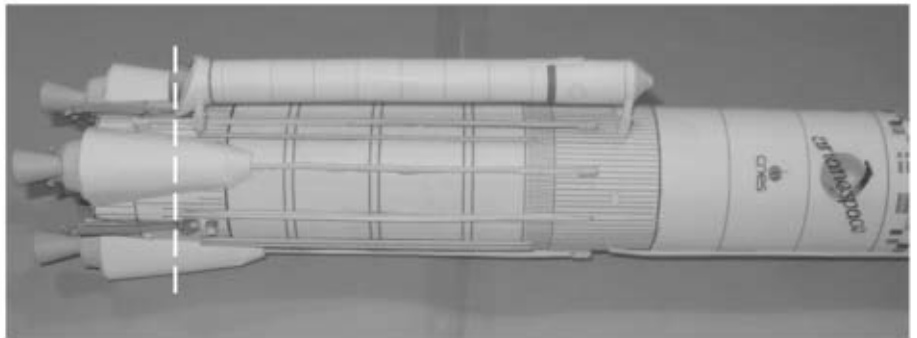


Wrap 6M around the top. Glue 6B inside 6I - just beneath 6H. Then glue 6C to the edge of 6I. At last glue 6J to 6B.

# Instruction for Ariane 4 (44LP)



Glue 6E to right side of 3J - at spot marked with a red cross.  
Glue 6D to the places shown on the photo. Do the same at the opposite site of the stage - using 4 pieces of 6D.

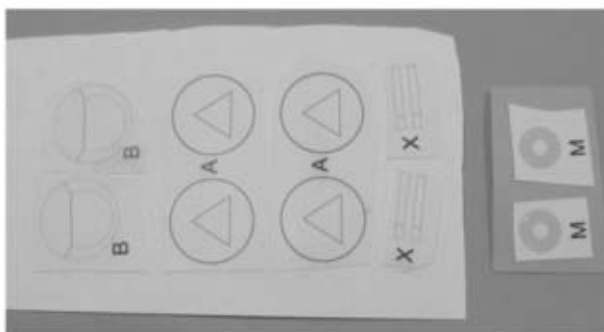


Lay the body of the rocket on a table. Add glue to the two connectors at the top.

Place the booster so the end rests between 5L and 5M.  
Then carefully attach the two connectors to the top of the booster.  
When the glue binds - attach the two connectors at the bottom.

Turn the rocket. Lay it across two books and attach the second booster.

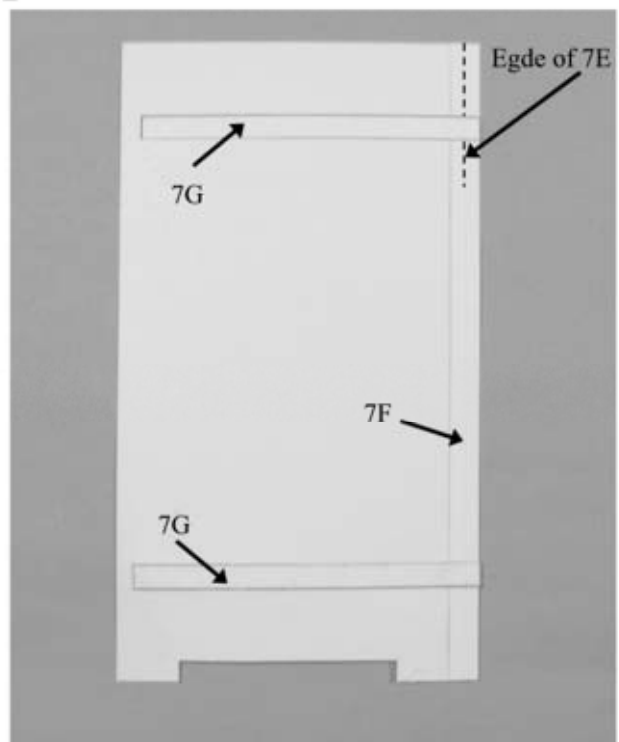
## Making the liquid boosters



Print 2 copies of page 7. Glue 7A, 7B and 7X to white cardboard. Glue 7M to grey cardboard.

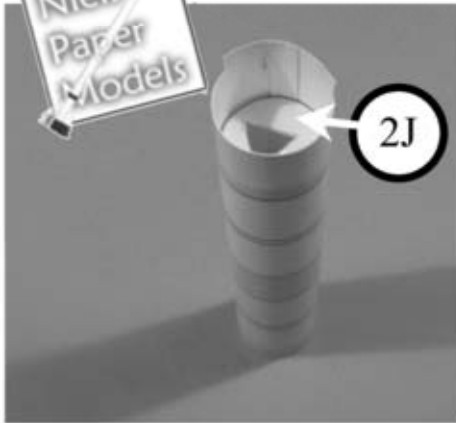


Glue 7C and 7D to 3 pieces of laminated white cardboard.

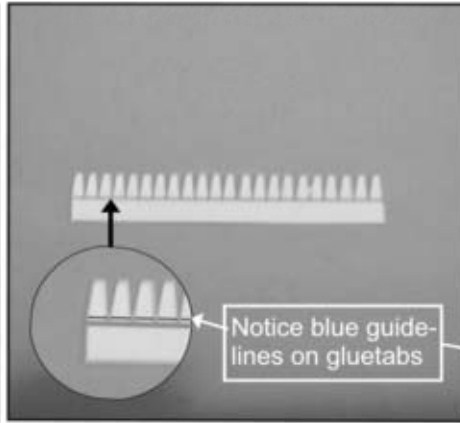


Glue the connector 7F and the strips 7G to the backside of 7E. Use the red markers as guidelines.

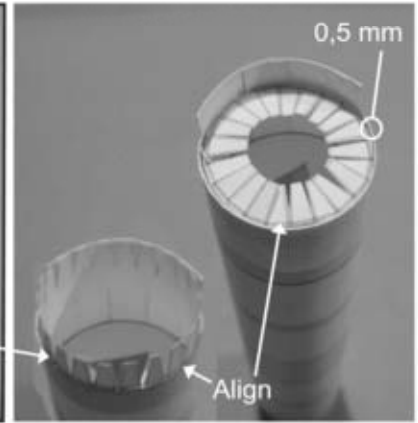
# Instruction for Ariane 4 (44LP)



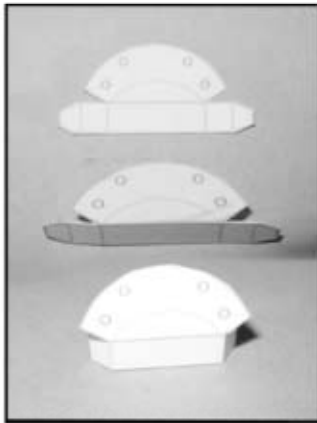
Roll and glue 7E to a cylinder. Glue the discs 7A in to the top and bottom of 7E.



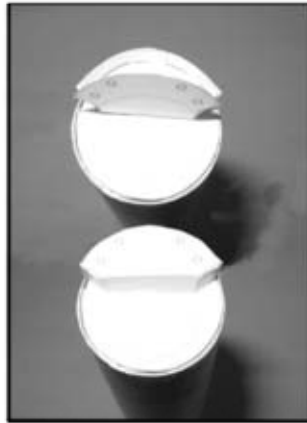
Cut out and glue the connector 7I inside the bottom of 7E. Align the blue line with the edge of 7E.



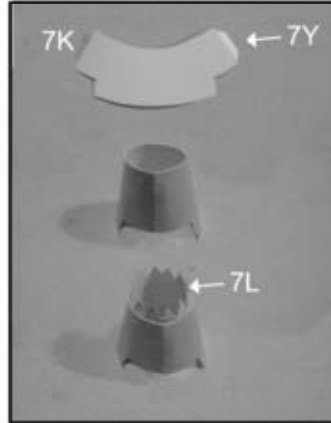
In this way, the folded gluetabs are 0,5 mm below the edge.



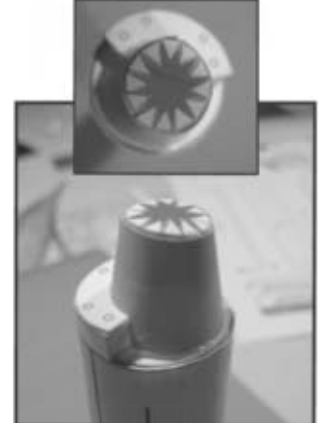
Cut out and fold 7J as shown. Do not glue.



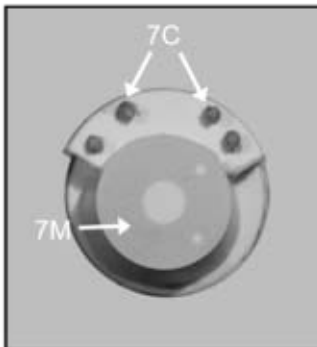
Then glue 7J to the bottom of 7E.



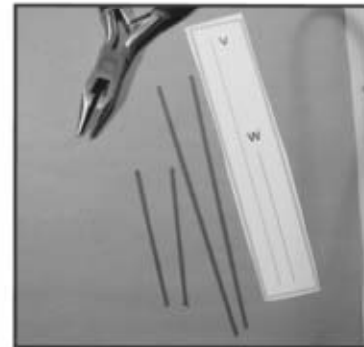
Glue 7K to a cone using 7Y. Glue 7L inside the top



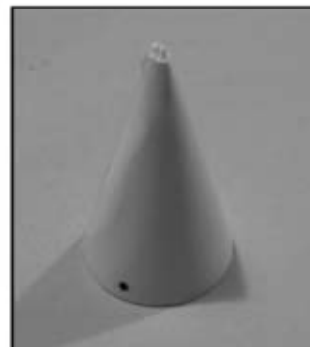
Glue 7K to the end of the booster.



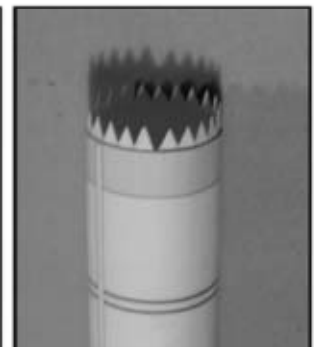
Glue 7M to 7K. Then glue 7C to 7J.



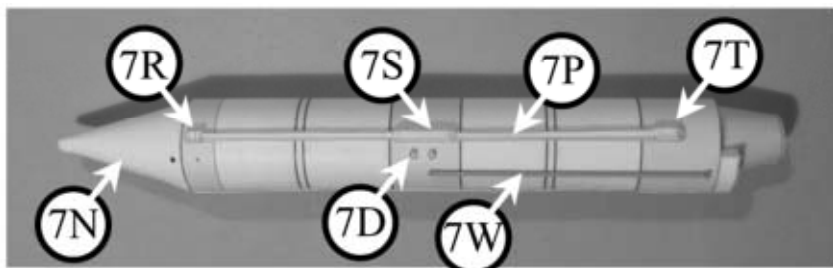
Cut 1 mm metal wire into 7V and 7W using the template



Roll and glue 7N into a cone using 7O.



Glue 7H inside the top of the booster.



Glue 7N to the top of the booster. Fold the cable conduit 7P and glue in place. Glue 7R, 7S and 7T upon 7P.

Glue the wire 7W next to 7P.

Finally cutout and ad 7D.