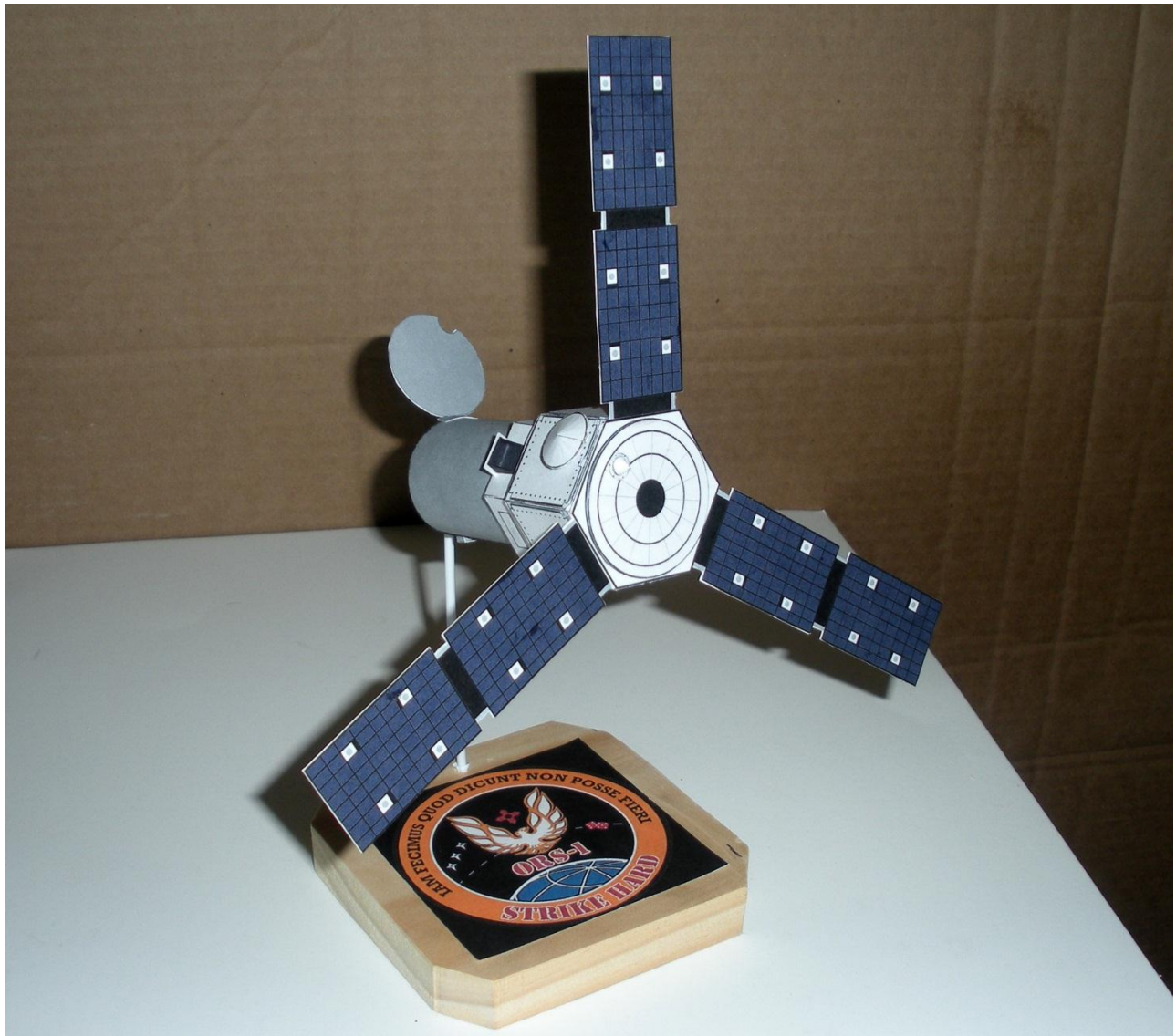
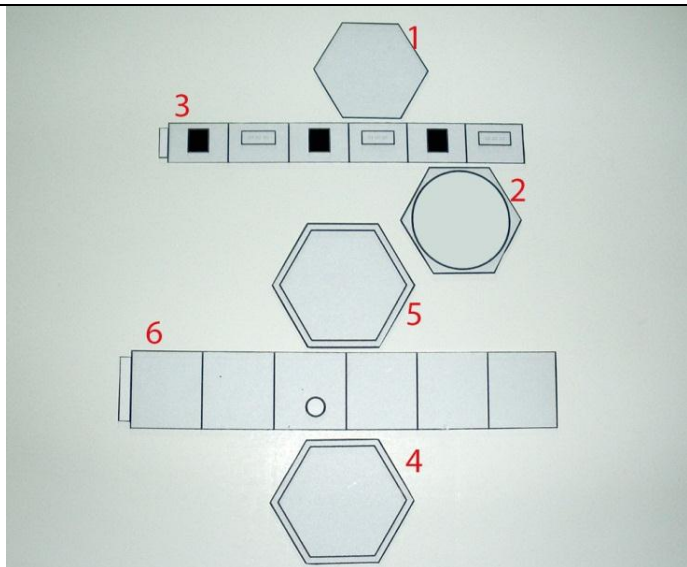


# ORS-1 (Operationally Responsive Space-1) Satellite Paper Model

By Glenn Alvord – 2015



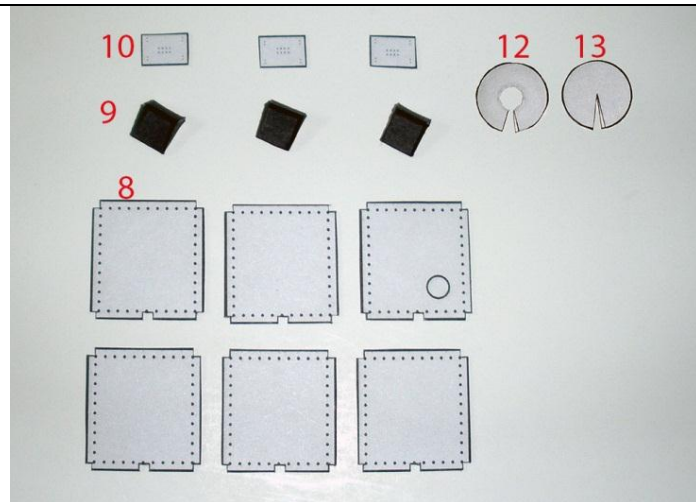


Prepare the parts above.

Instructions for assembling these are included in the ORS-1 Build PDF file. In a nutshell...

3 is glued AROUND 1, 2 is glued on the BOTTOM of 3.  
6 is glued AROUND 4, 5 is glue to the TOP of 6.

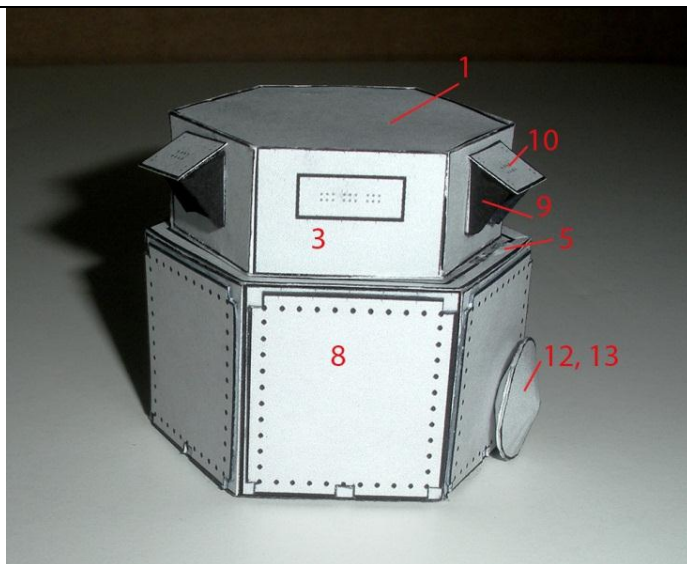
Use the picture above as a guide. The markings on 3 and 6 shows the top or bottom.



Glue 8 thick cardstock.

Prepare the above parts.

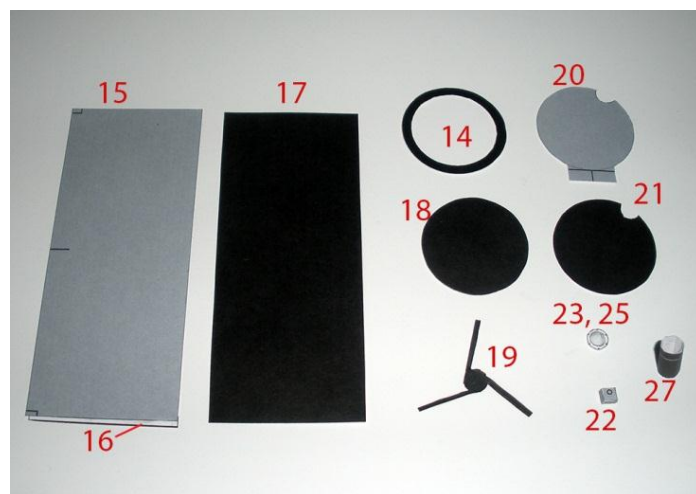
12 and 13 is the GHA assembly.



Glue 8 onto 6, match the circle graphic on one of the #8 parts to the circle graphic on 6 (HGA location).

Notches in the center-bottom of 8 is on the bottom of 6 – see above.

Glue 9 over the black areas on 3 and glue 10 on top of 9.



Prepare these next.

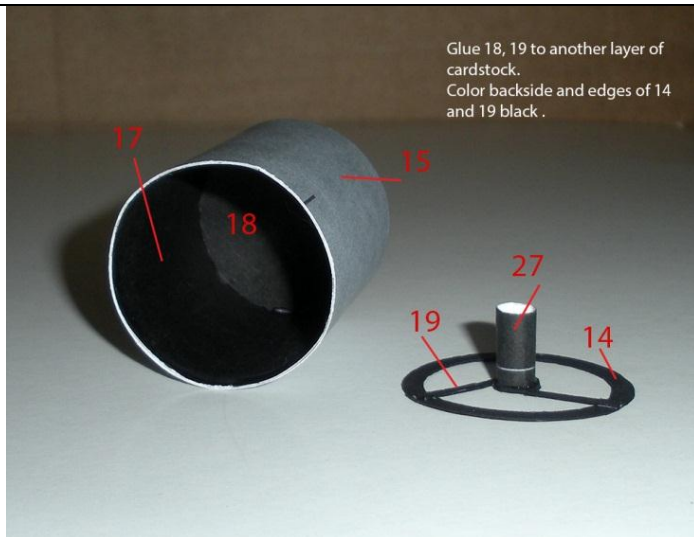
Glue 20 and 21 back-to-back matching the two notches.

Glue 18 and 23 into another layer of regular cardstock.

Roll 25 into a small cone and glue it on top of 23.

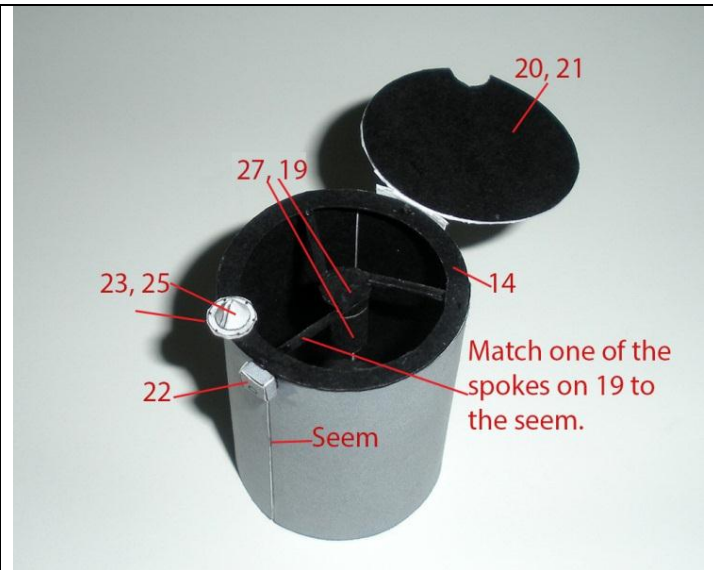
Roll 15 into a tube, glue 17 inside 15 with the black side showing.

See next picture.



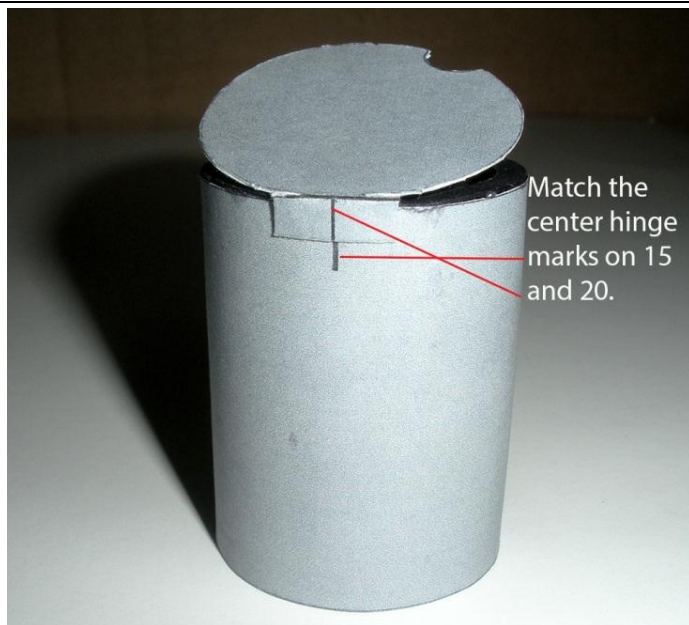
Glue 18, 19 to another layer of cardstock.  
Color backside and edges of 14 and 19 black.

18 is glued to the bottom of 15, black showing.  
Color the backside and edges of 14 and 19 black.  
Glue 19 to the backside of 15, removes any excess material.  
Glue 27 to the backside- center of 19.  
See above.

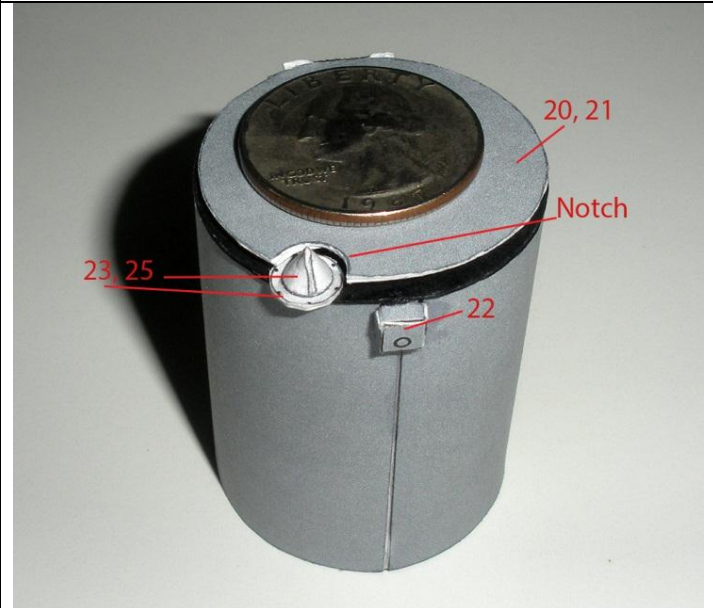


Match one of the spokes on 19 to the seem.

Glue the 14, 19, 27 assembly open end of the tube (27 is inside). Make sure that one of the spokes on 19 is inline with the seem on tube.  
Glue 22 shown.  
Glue the lid (20, 21 assembly) shown above. Match the two CENTER HIDE MARKS together for proper placement, see the next picture.



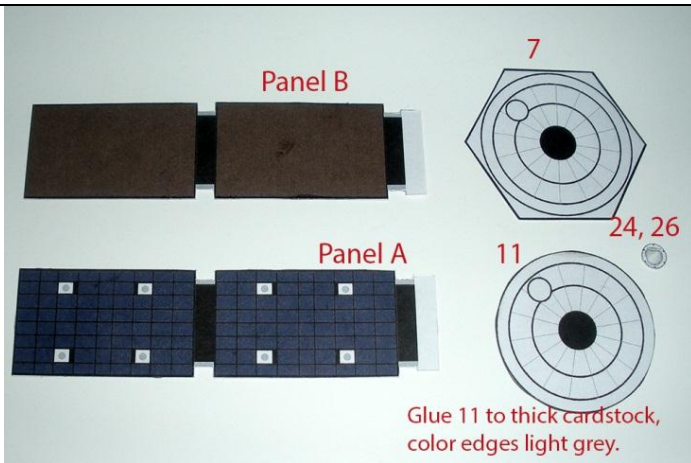
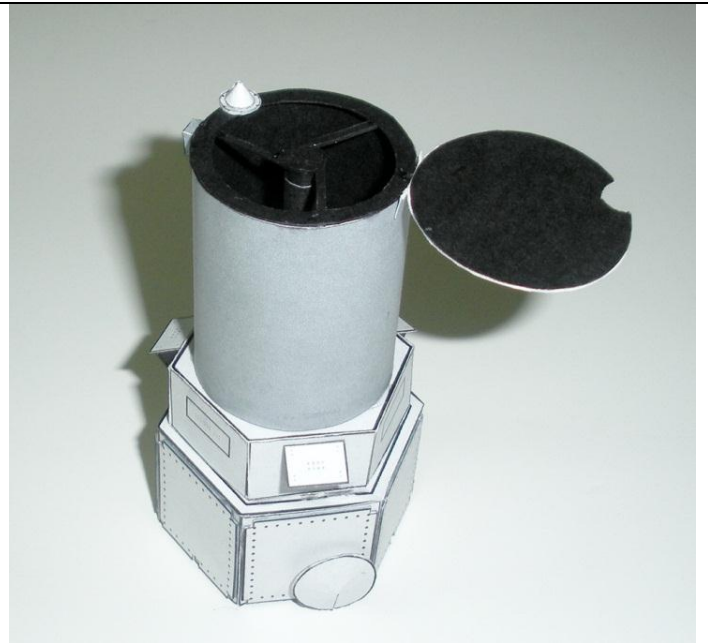
Match the center hinge marks on 15 and 20.



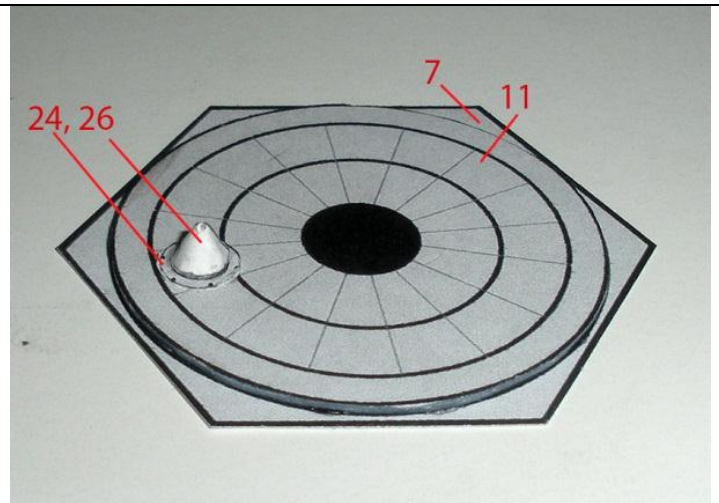
Close the lid and mark where the 23-25 assembly will be located and glue it there.



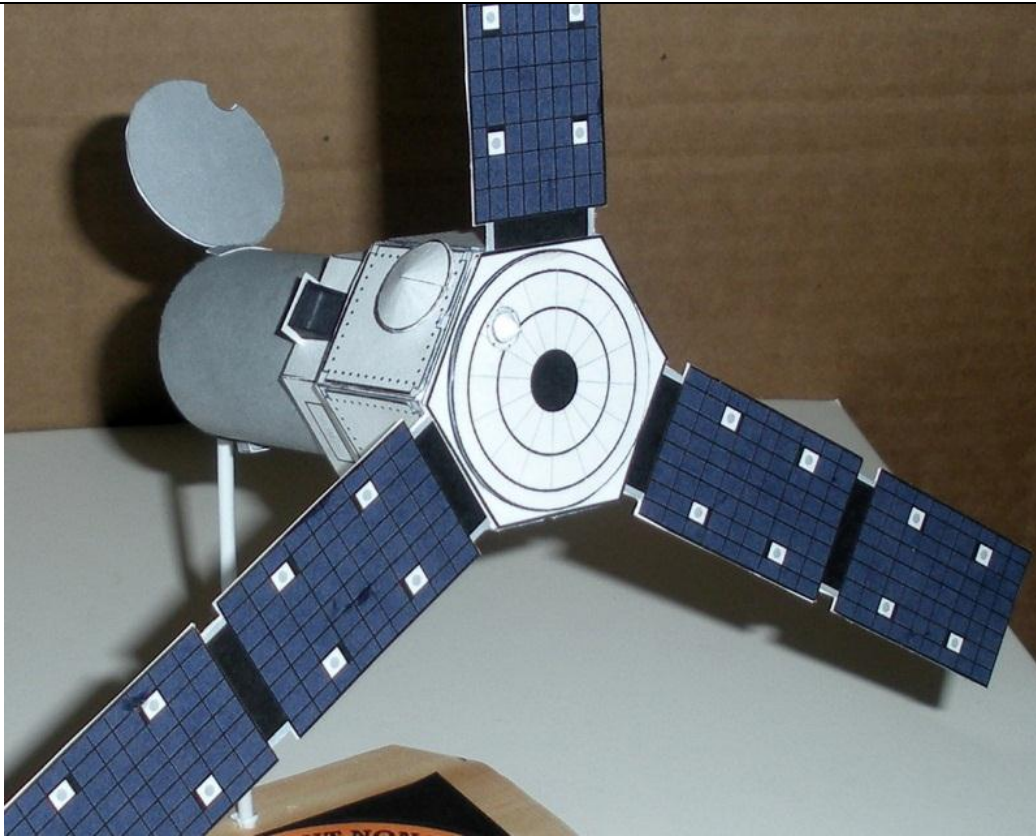
Glue the entire assembly as shown above. Note the location of the HGA (Bottom right) and the seem of the grey tube.  
The seem is centered with one of the flaps (PART 10).



Prepare the solar panels (3), 7, 11, 24, and 26.  
Glue 11 and 24 to thick cardstock, color the edges light grey.  
Glue panel B to the back of panel A.



Roll 26 into a cone and glue on top of 24, then glue this on the circle graphic on 11 as shown above.  
Glue 11 on 7 matching the circle graphics between 7 and 11.



Glue the solar panels as shown above. The light grey tabs on the solar panels is hidden when you glue the 7-11 assembly on top.

Note the location of the small cone assembly (24, 26) with the HGA on the side.

Your model is complete.

ENJOY.

