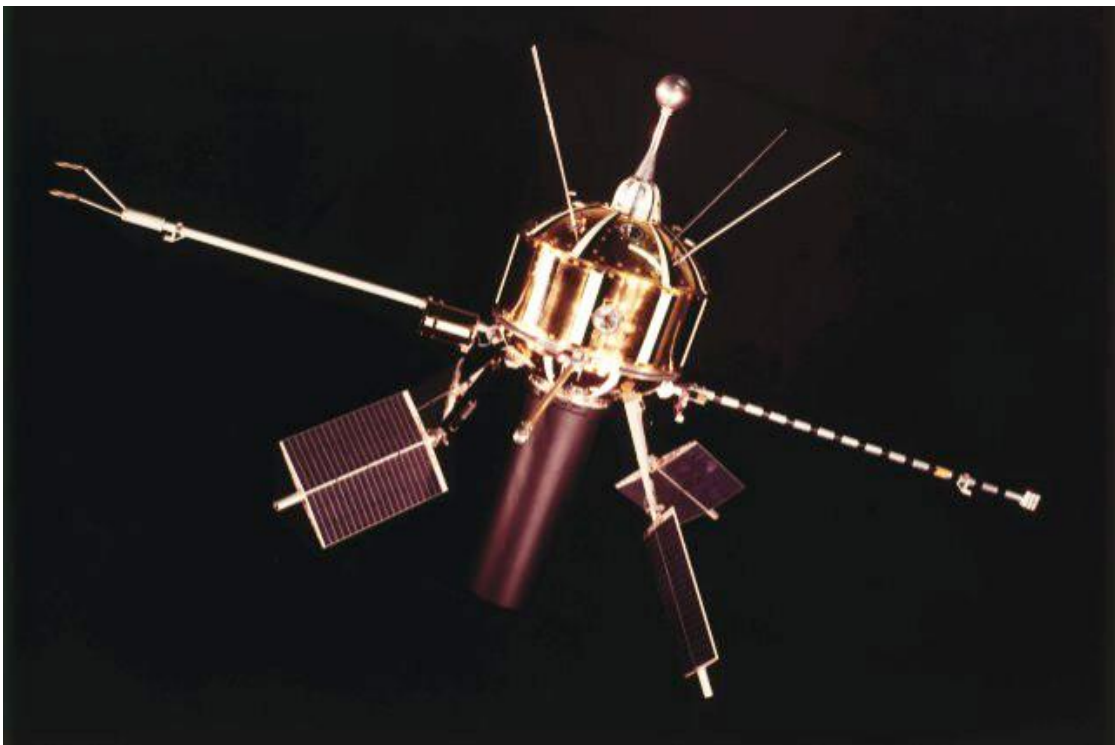
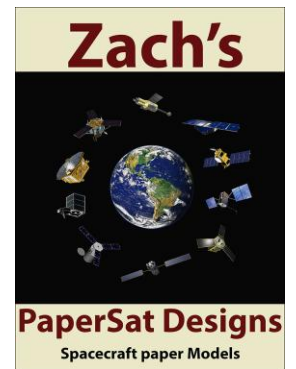
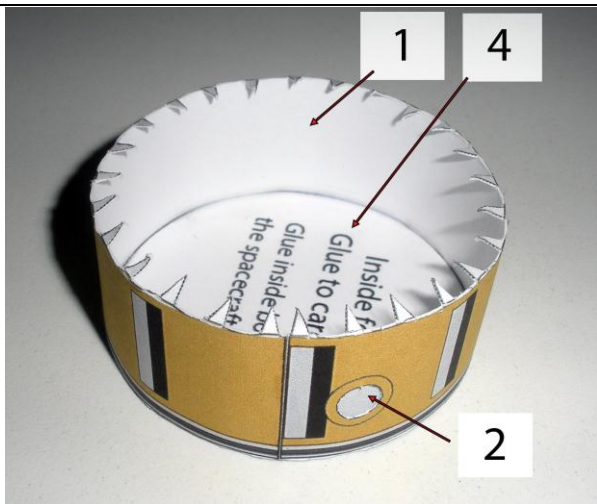


Ariel 1

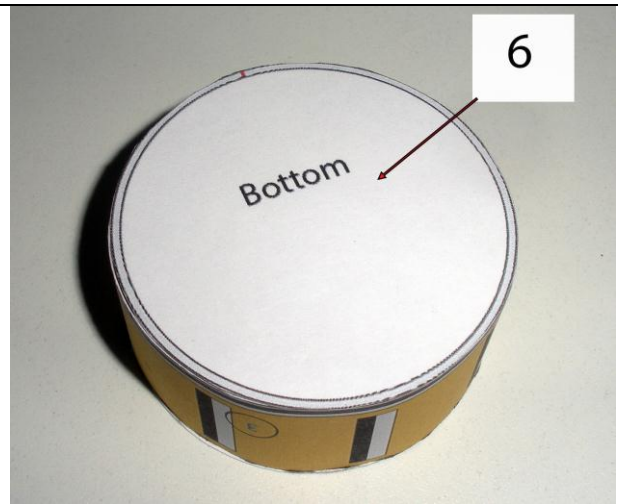
1/12 Scale Paper Model Instructions



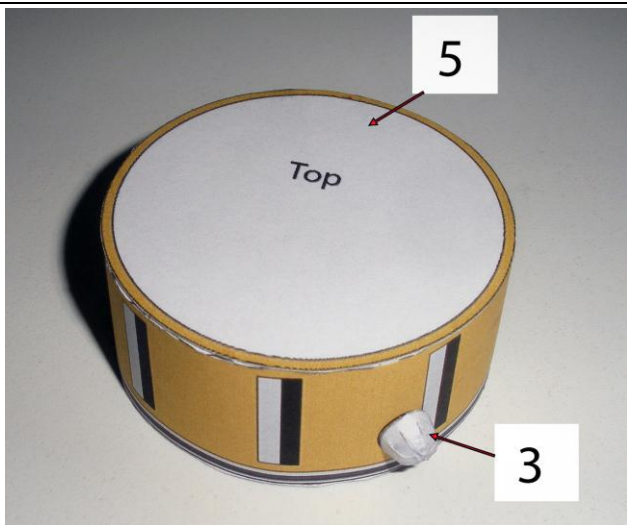
The model is not perfect, but it's a decent representation of the actual satellite.



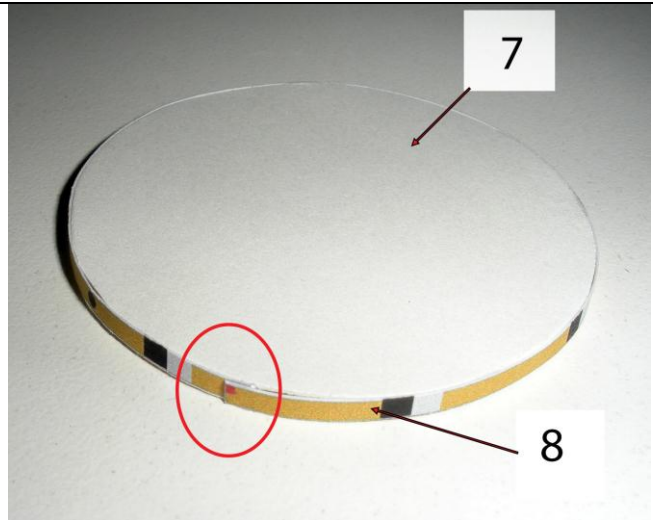
4 fits inside 1 at the BOTTOM.



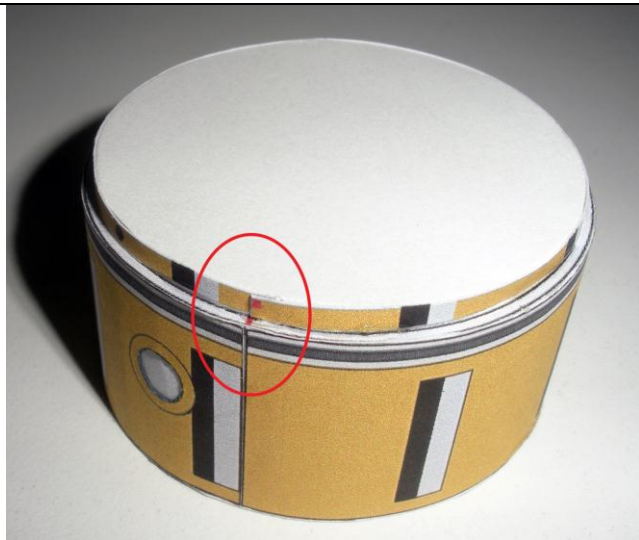
Match the RED MARKER with the seem on 1.



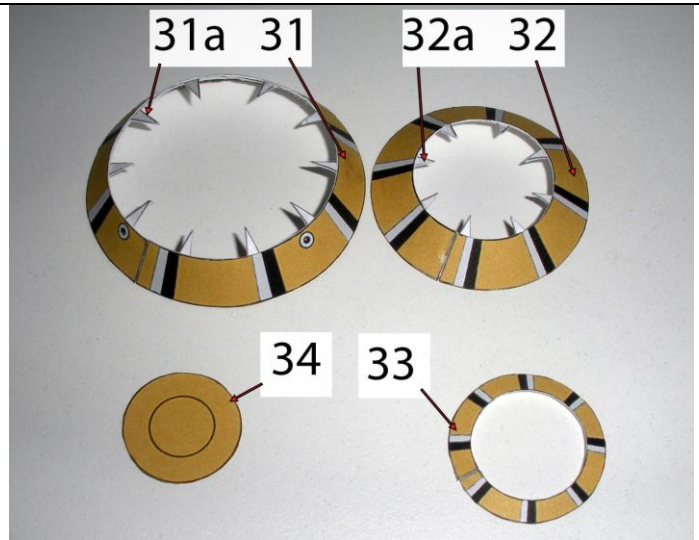
Match the RED MARKER with the seem on 1.



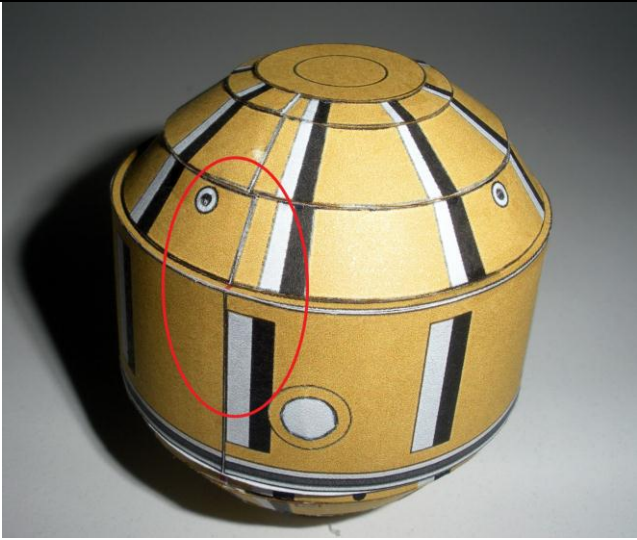
7 fits inside 8 at the TOP end (Red marker)



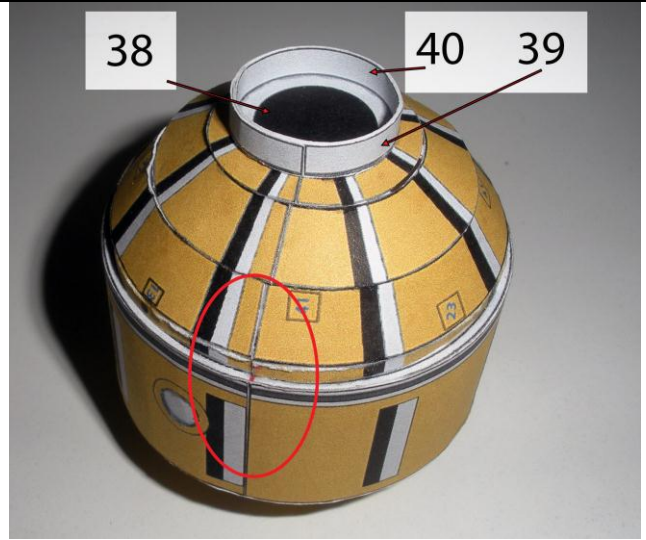
Glue 7 – 8 onto the BOTTOM, Match the seems or the RED MARKERS



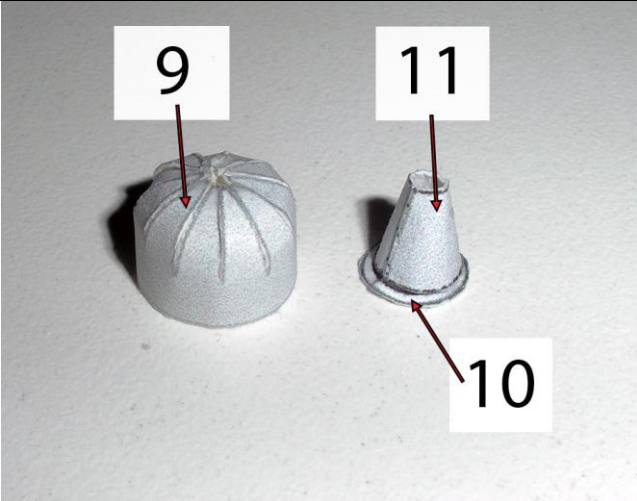
Top half, Drill small holes on each of the black dots on 31. Bottom half (35-37) is constructed the same way.



Glue the top half (31-34) to the TOP, Match the seems or the RED MARKERS.



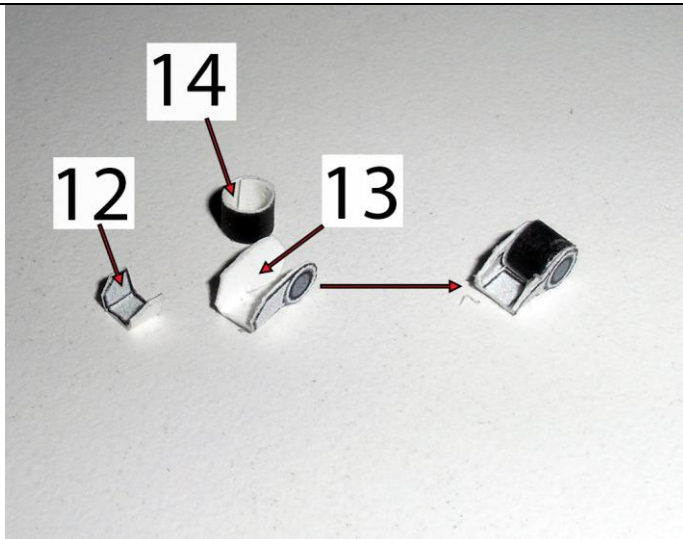
Glue the bottom half (35-40) to the BOTTOM, Match the seems or the RED MARKERS.



Curve the spikes on **9**, glue them together and gently press down for a rounded top.



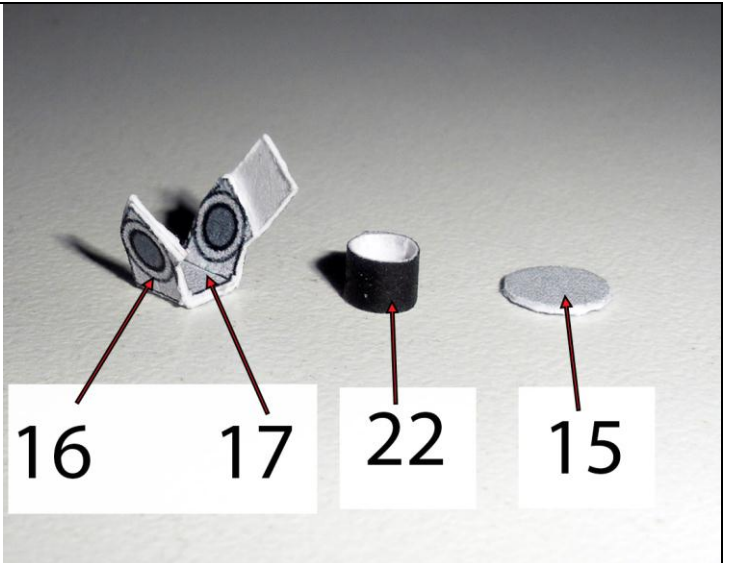
Glue on the TOP. Use a 12mm long tooth pic, colored light grey and slide it in untill it touches the bottom. Use a 5mm diameter bead or BB colored light grey and glue on top (One in this example is too small).



12 is glued inside of **13**.
14 is glued inside the rounded side.
Make two of these.



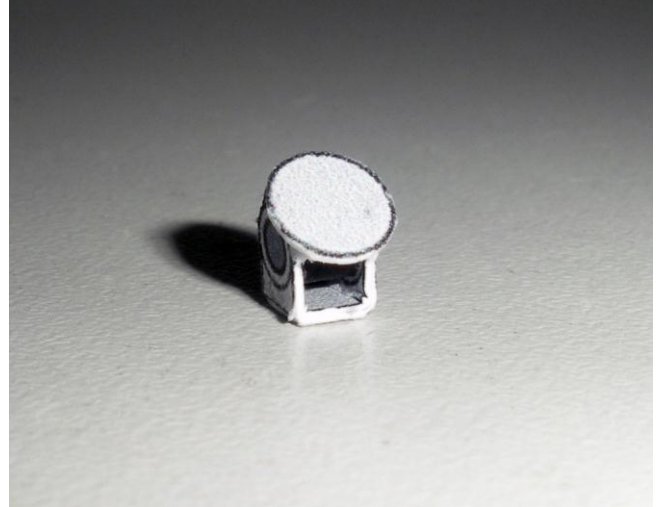
Glue on the bottom at the area marked "13", one on each side. **Top part is glued onto the black dot.**



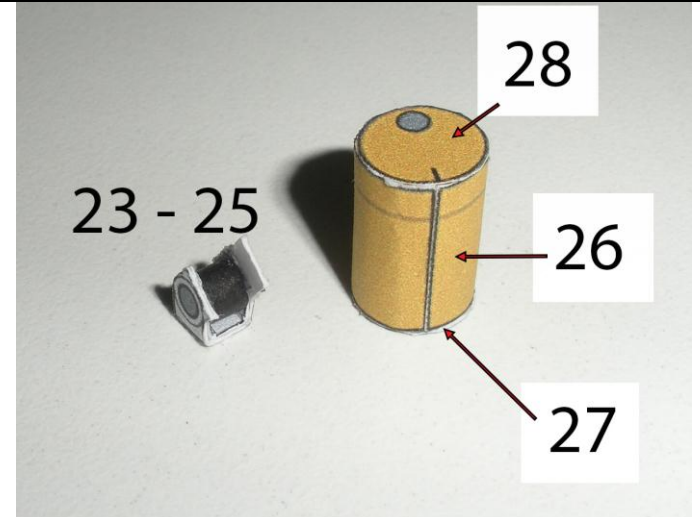
17 is glued inside **16**. **22** is glued inside on the circle graphics



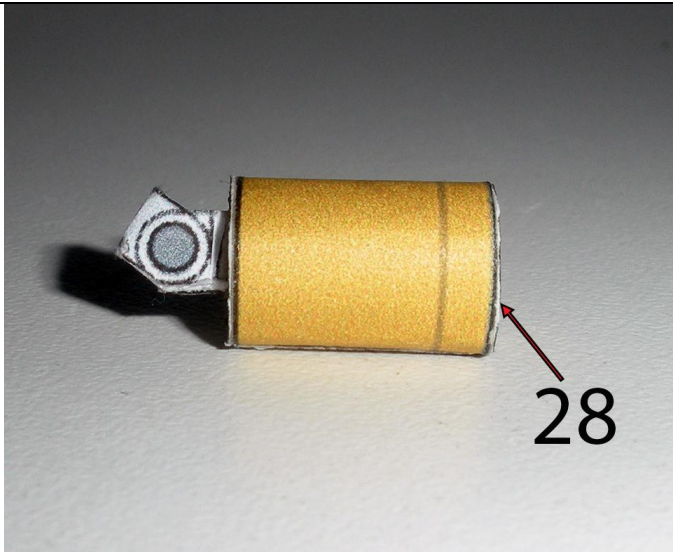
15 is glued onto the flap on **16**



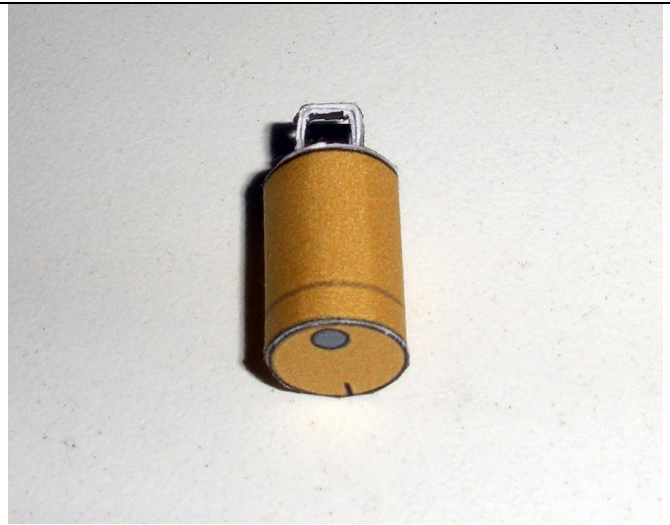
Glue under the spacecraft in the area marked '16'.



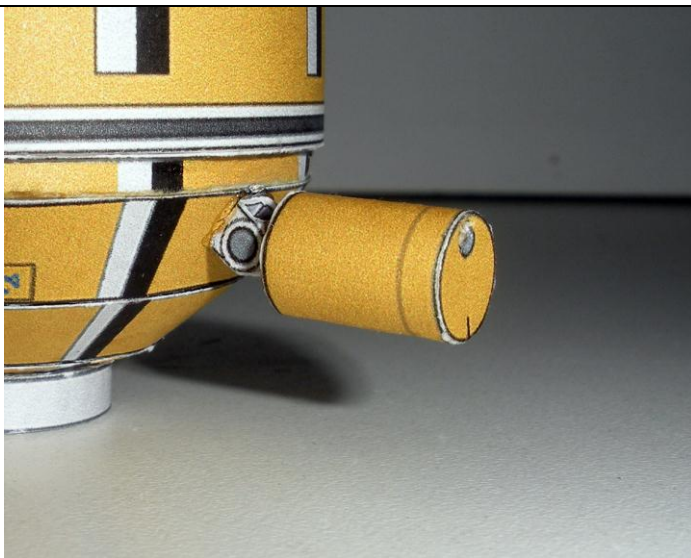
23-25 is constructed the same way as **16, 17, 22**. Punch a tooth pic size hole onto the grey circle on **28** before gluing. Match the line on **28** with the seem on **26**.



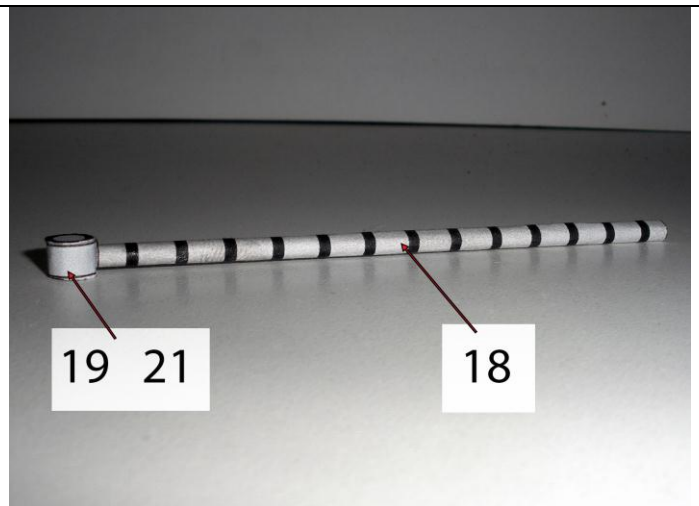
Glue the hinge to the back



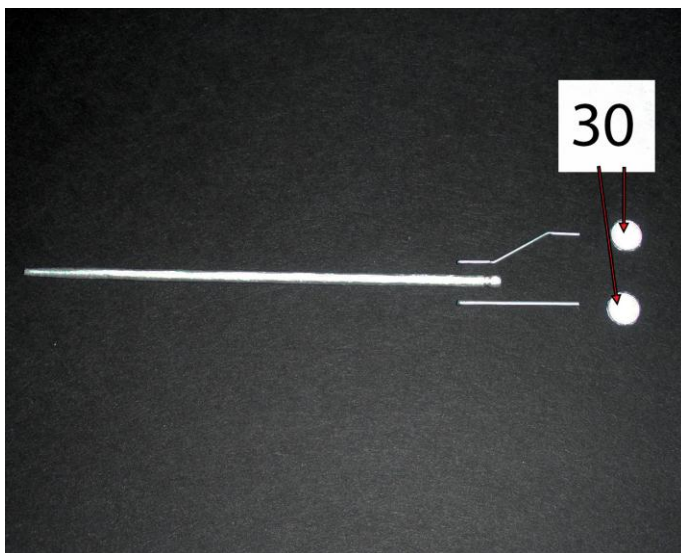
The grey circle should be at the TOP.



Glue to the bottom marked "23"



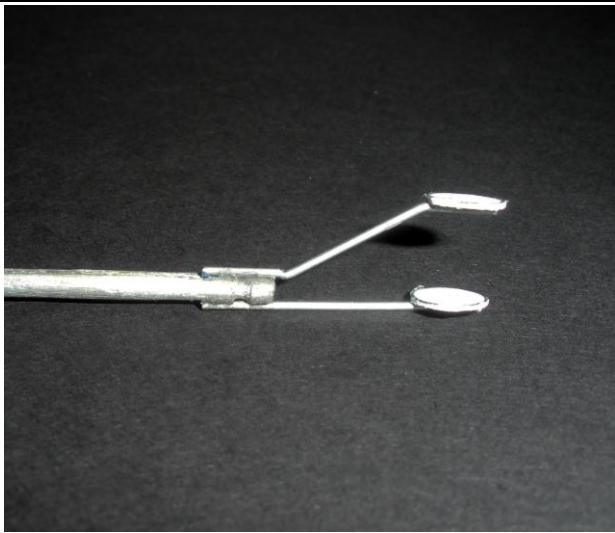
Wrap **18** around a 2mm diameter, 85mm long skewer.



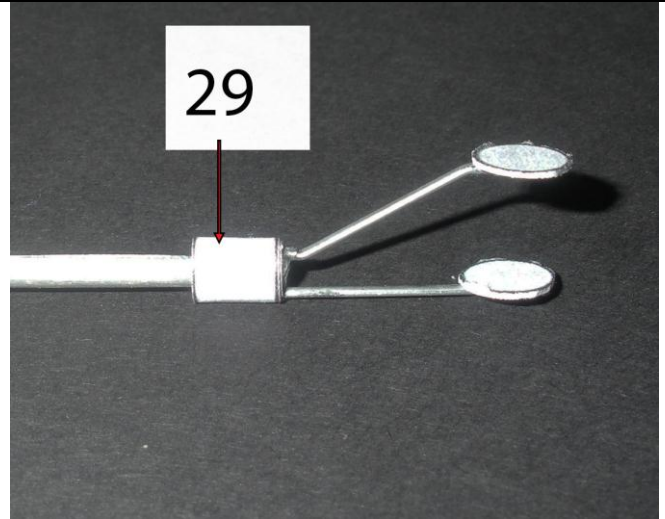
Need a tooth pic or skewer at 2mm dia, 85mm long colored light grey.

Cut and bend two plastic broom straws or thin music wire colored silver to the size and shape matching the lines on page 2 on the parts sheet.

Glue 30 to the ends of the two wires (See next photo).



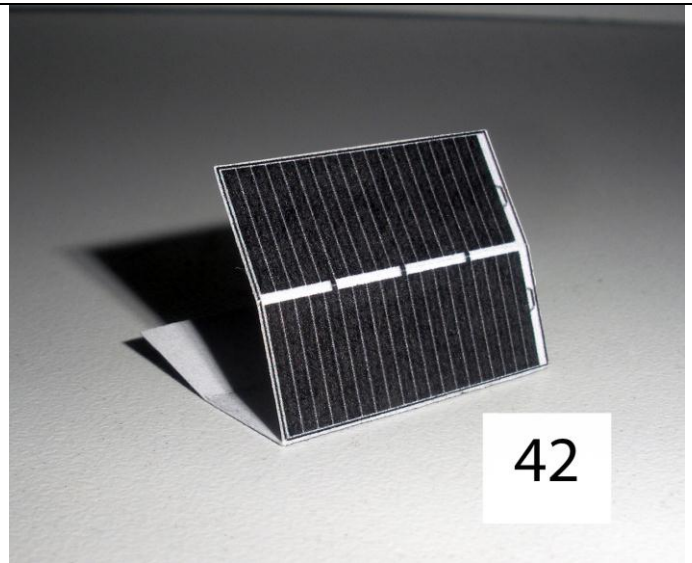
Glue the other end of the two wires 5mm into one end of the tooth pic as shown.



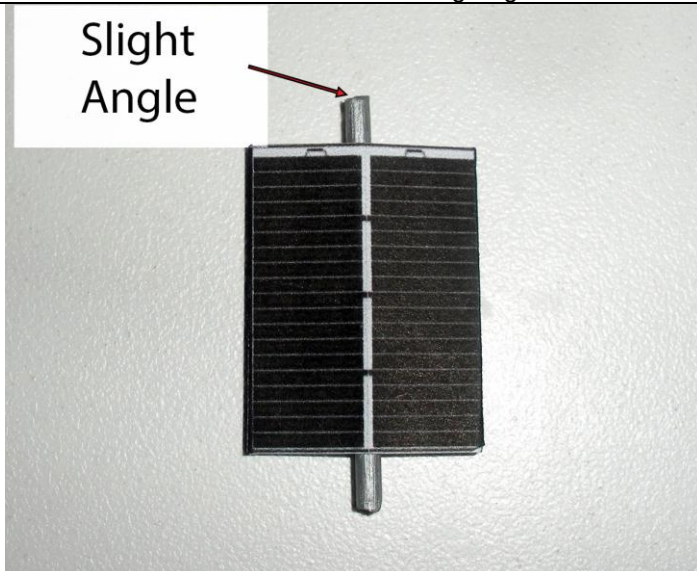
Wrap 29 around.



Score and fold all four of these into long angled boxes.



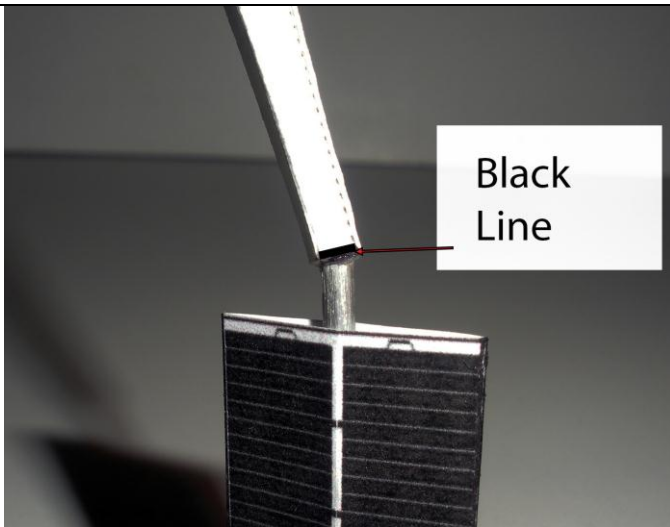
Score-fold the solar panels in three places as shown.



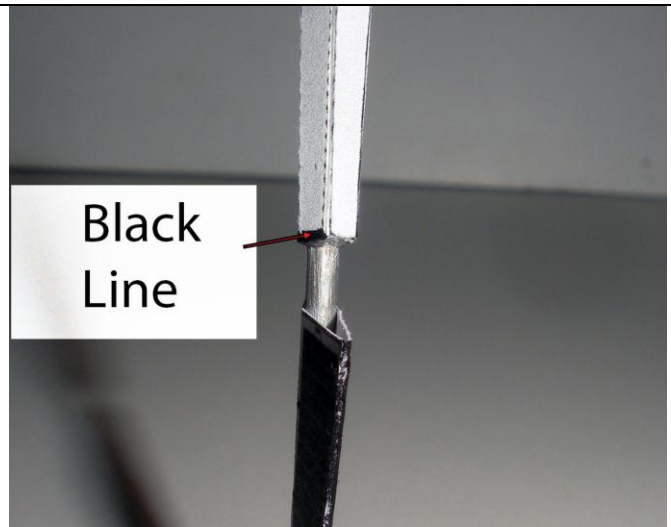
Need four tooth pics or thick stiff wires cut at 35mm long, colored light grey.

Cut a slight angle at one end of each.

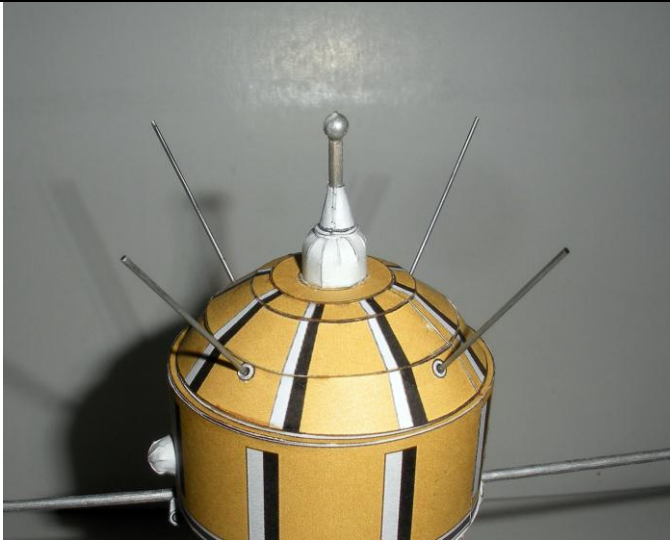
Glue the tooth pic between the flaps (Angled end at the top) of the solar panels and glue the edges together – **The bottom part of the tooth pic sticks out more than the top and the slight angle should be facing left as shown.**



Glue the solar panels to the small end of **41**, note the BLACK LINE. The long end of the angle on the rod should be at the RIGHT CORNER in relation of the black line.



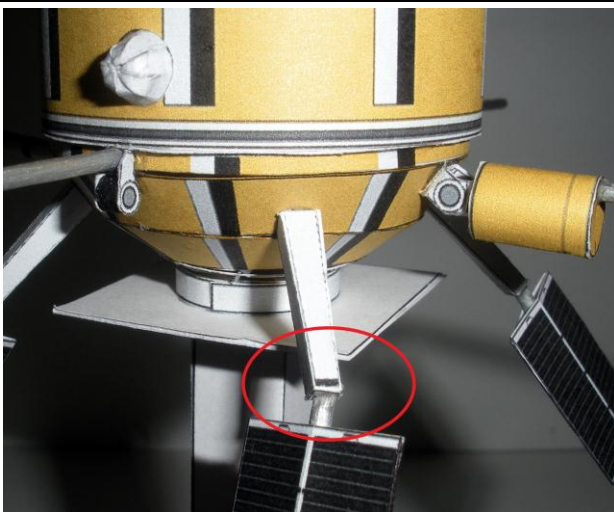
The edges of **41** and the solar panel should match. The solar panel should have a slight angled twist compared to the strut (**41**).



Glue four plastic broom straws or thin music wire cut at 32mm long colored silver onto the four black dots on top. The four holes just helps glue the antennas in place.



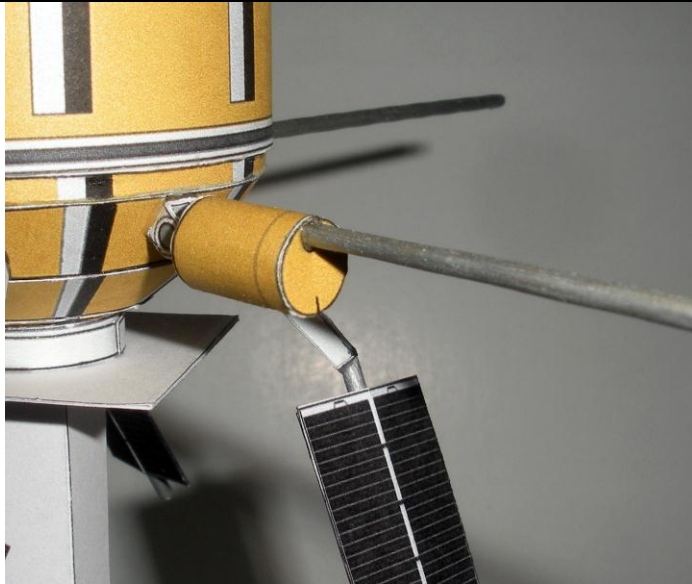
Need two tooth pics 70mm long, colored light grey. Glue one to each of the hinges (**12-14**) as shown above.



Glue the four solar panel assemblies to the four areas marked "**41**" on the bottom. The BLACK MARKER should face up.



Glue **18, 19, 21** to the upper part of the disc on the hinge (**15-17, 22**) as shown. Make sure its straight, the drum at the end is parallel to the table and let dry.



Add a drop of glue at the opening of the grey hole. Slide the rod assembly (with the two small discs at the end) until it stops, make sure everything is straight and let dry.

The two discs should be on top of each other.

Your model is done

