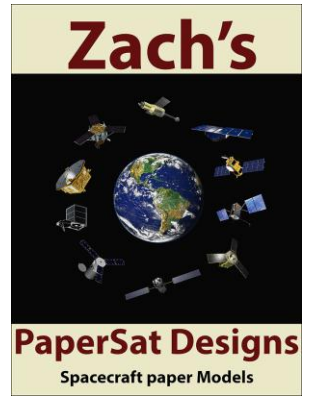
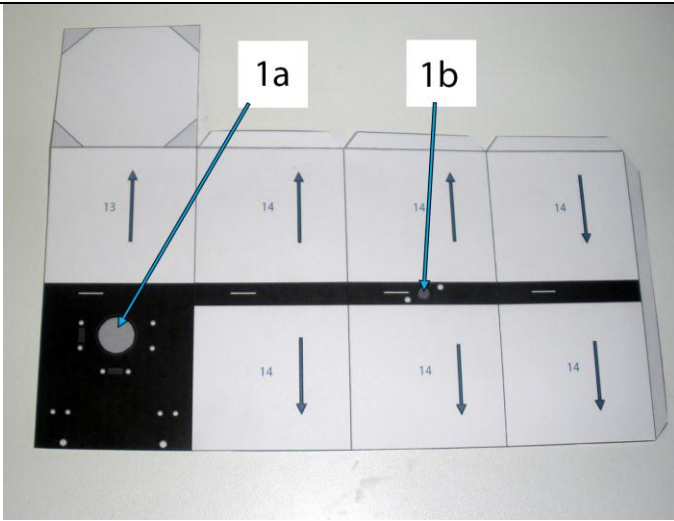


UPSat

½ Scale Paper Model Instructions

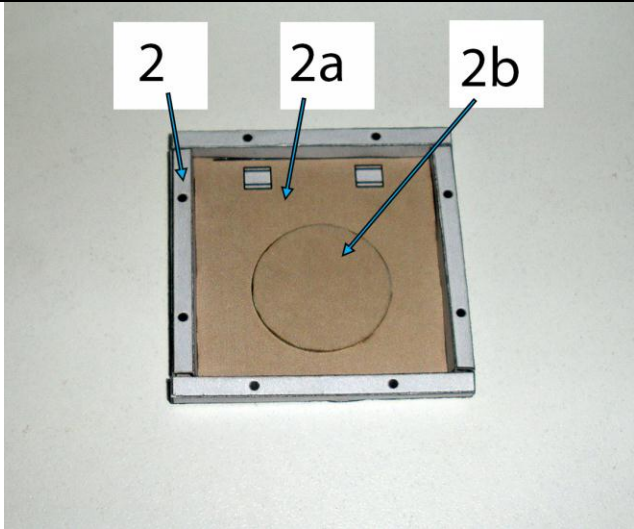




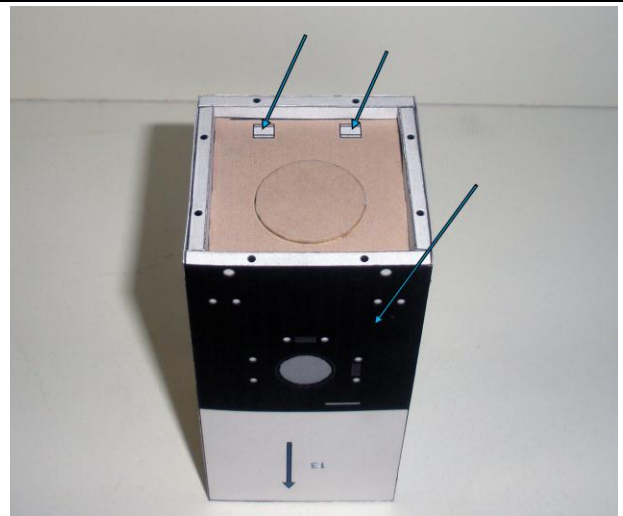
Cut out the two light blue circles from 1, glue these parts to the backside as shown.



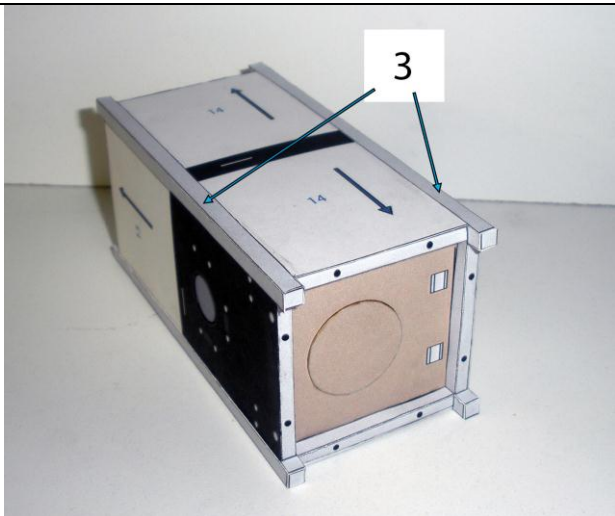
Don't close the lid yet.



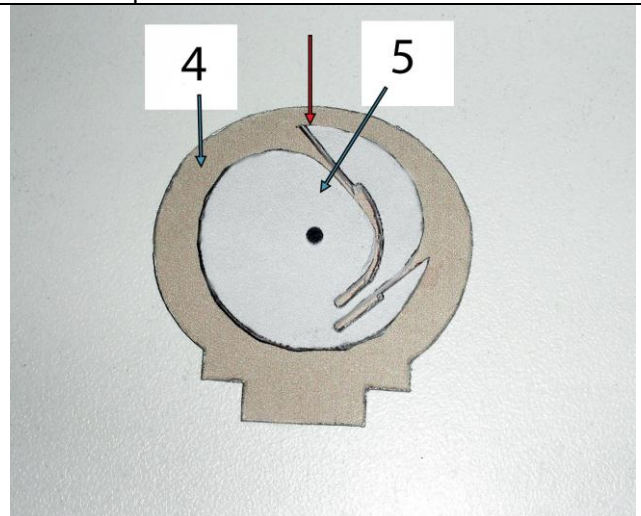
Fold the flaps on 2 – don't glue yet – glue 2a to the center backside of 2, fold-glue the flaps as shown.



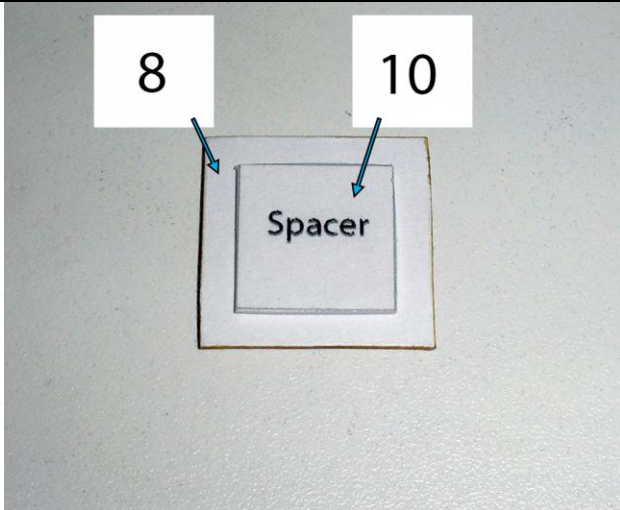
Insert this into the lid and down to the bottom edge . Make sure the two grey squares on 2a is at the opposite side of the black panel on part 1 as shown, glue in place. Close and glue the lid in place.



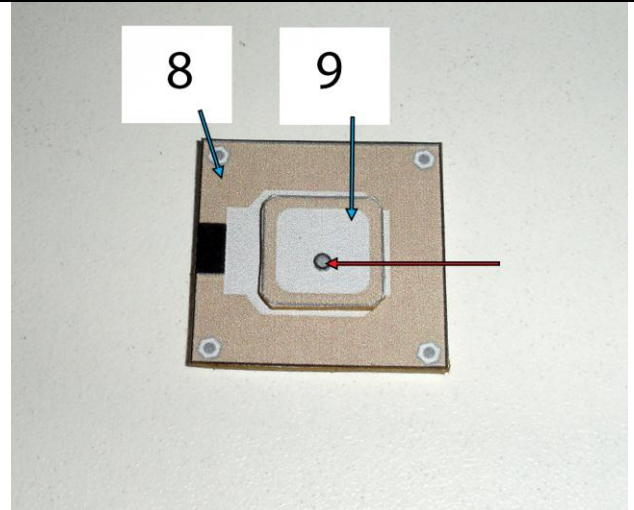
Ends of **part 3** folds into boxes, then glue onto the body as shown.



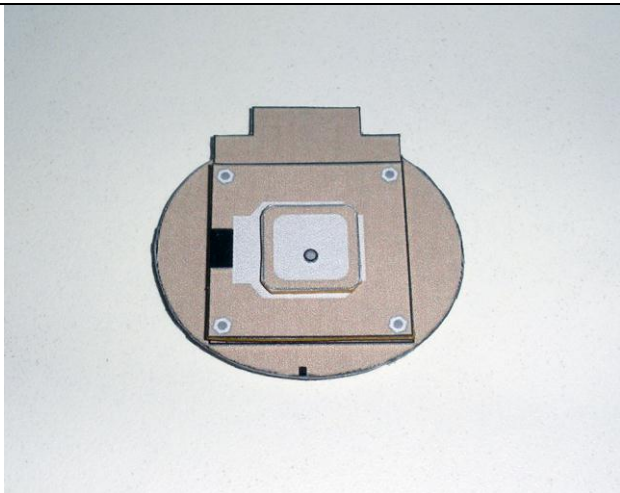
Glue 5 to four layers of cardstock, then to the backside of 4 as shown. Match corner of 5 (red arrow) with the black marker on the front side of 4.



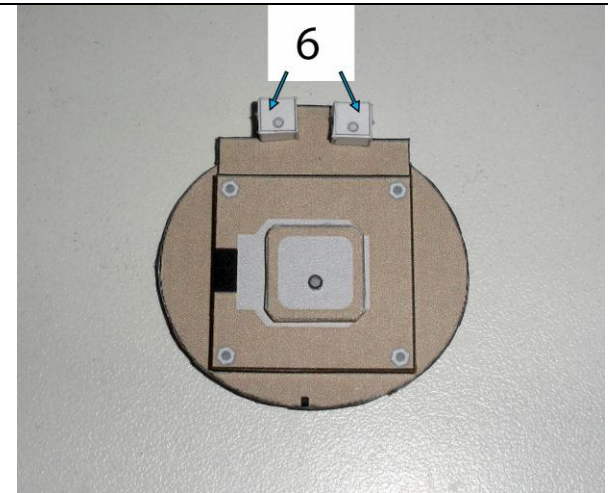
10 is glued to the center backside of 8.



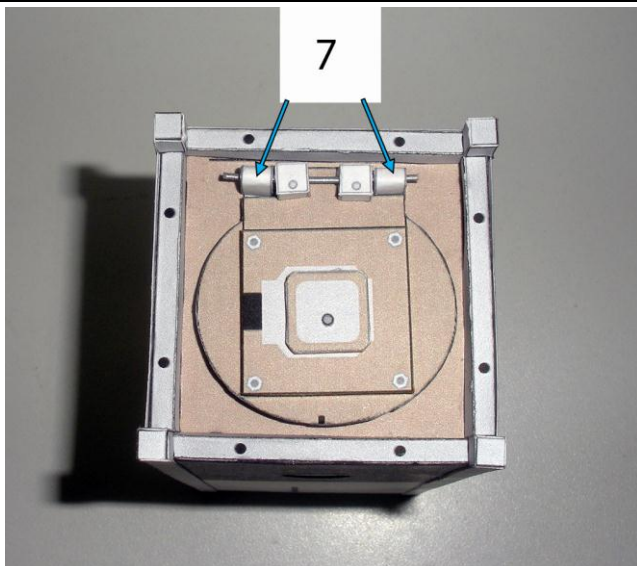
9 is glued to the front of 8, note the position of the grey dot.



Glue this to the square area on top of part 4. Note the position of the black rectangle.



Poke holes on the black dots on 6. Glue to the areas as shown, note the position of the grey dots.



Closed position

Need a plastic broom straw colored light grey or silver.

Poke holes on part 7, glue one of them to the grey square on the bottom.

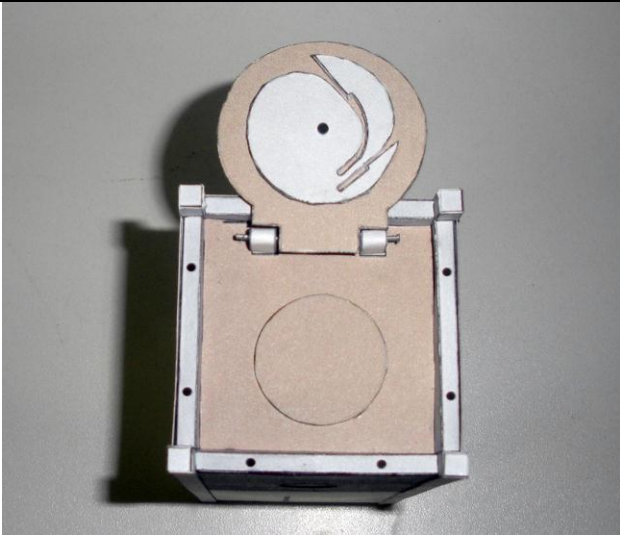
Insert the broom straw (shaft) through the other part 7, through the hinges (Part 6), then part 7 already glued on the bottom.

Glue the other part 7 to the bottom and cut off the remaining shaft.

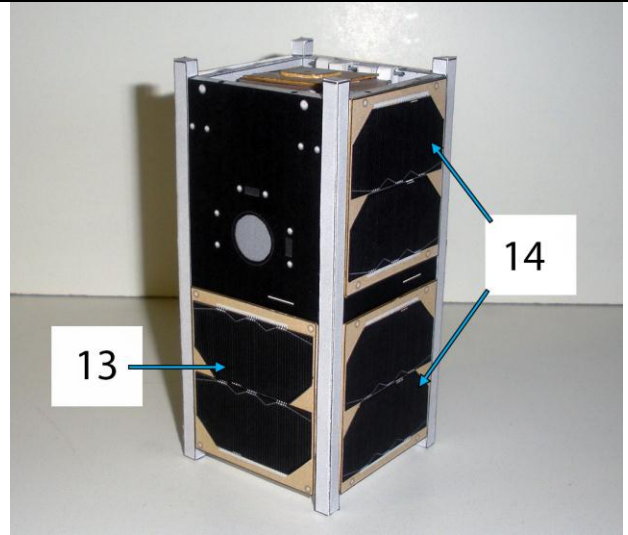
There should be about 1 to 1.5mm of the shaft extending beyond the outer edges of parts 7 (see photo).

You can do this using any method you like.

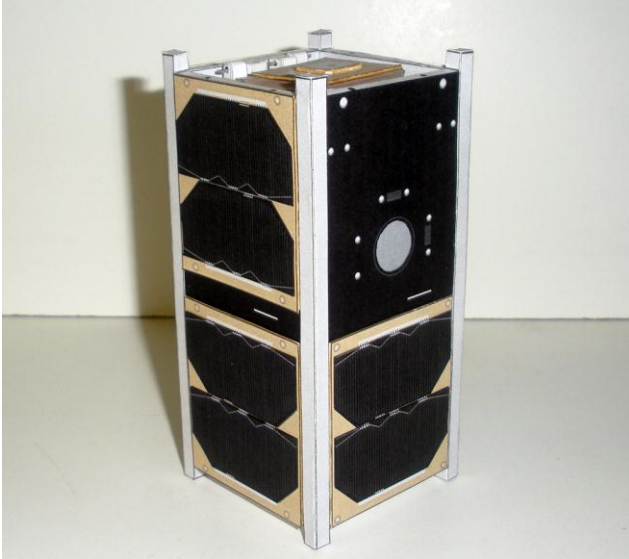
Should be able to open and close the antenna deployment system.



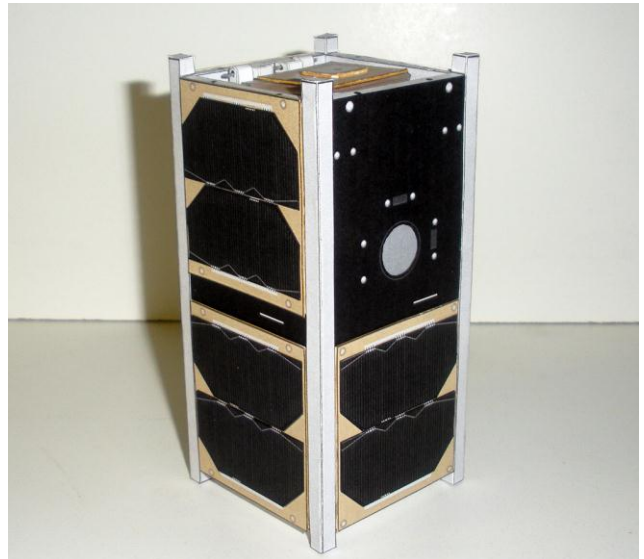
Open position



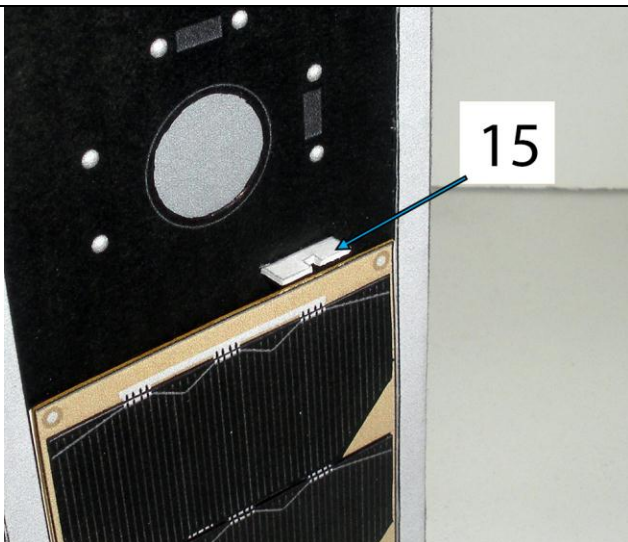
Glue **13** on the area marked "13" as shown. The arrow shows the direction the angled end of the solar cells points.



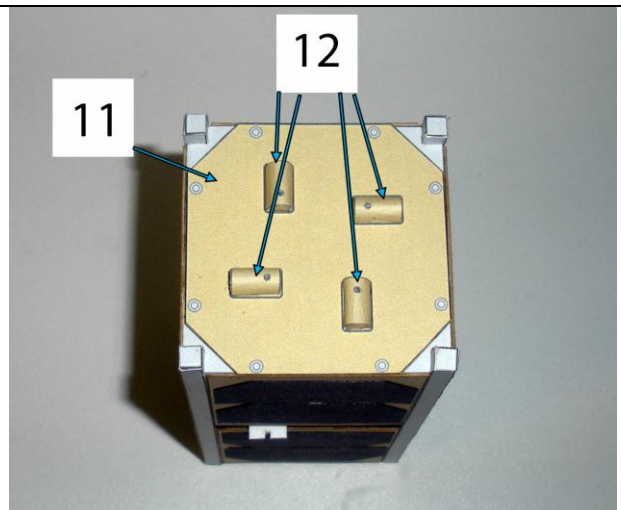
Glue **14** on the area labeled "14" on the body, the arrows shows the direction the angled end of the solar cells points.



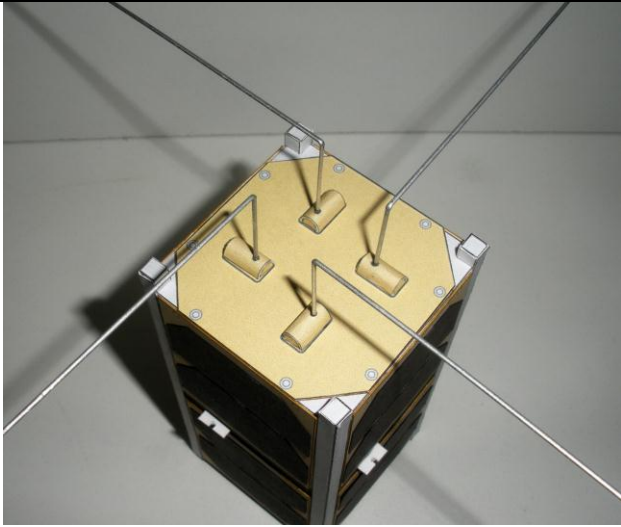
Can glue the optional detail parts (solar cells) over the existing graphics on parts 13, 14 before gluing to the body.



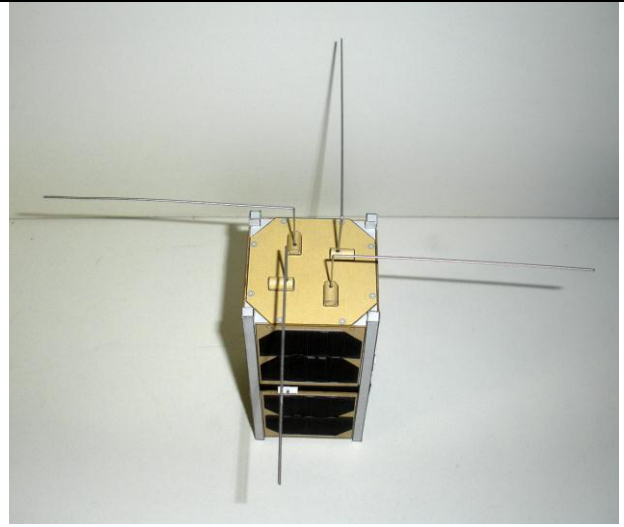
Glue **15** to the four white lines on the body as shown.



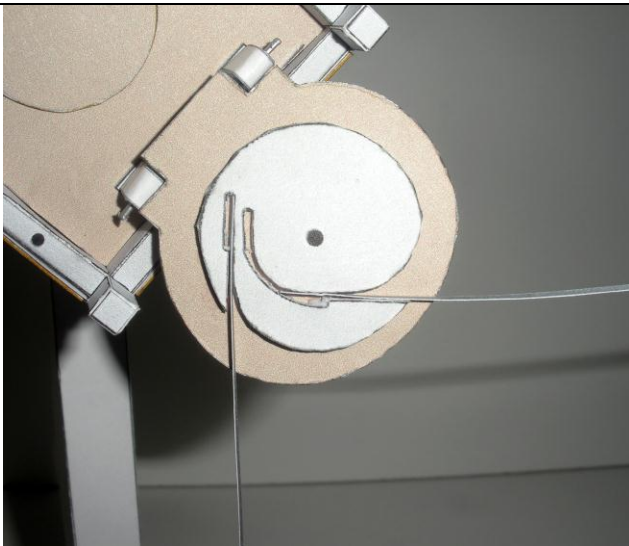
Poke holes on the grey dots on **12**, glue to **11** as shown matching the holes (part 12) with the grey dots on 11. Glue to the top of the body marked "11"



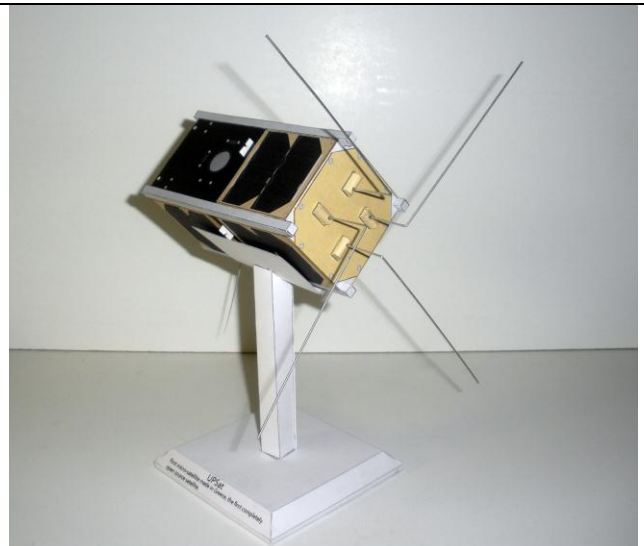
Prepare the four needle probes using the instructions on the page 3 on the parts sheet.
Glue each into the holes on part 12 as shown, make sure everything is straight.



Should look like this.



Insert and glue the optional antennas (page 4) into the antenna deployment system as shown.



Your model is done.

