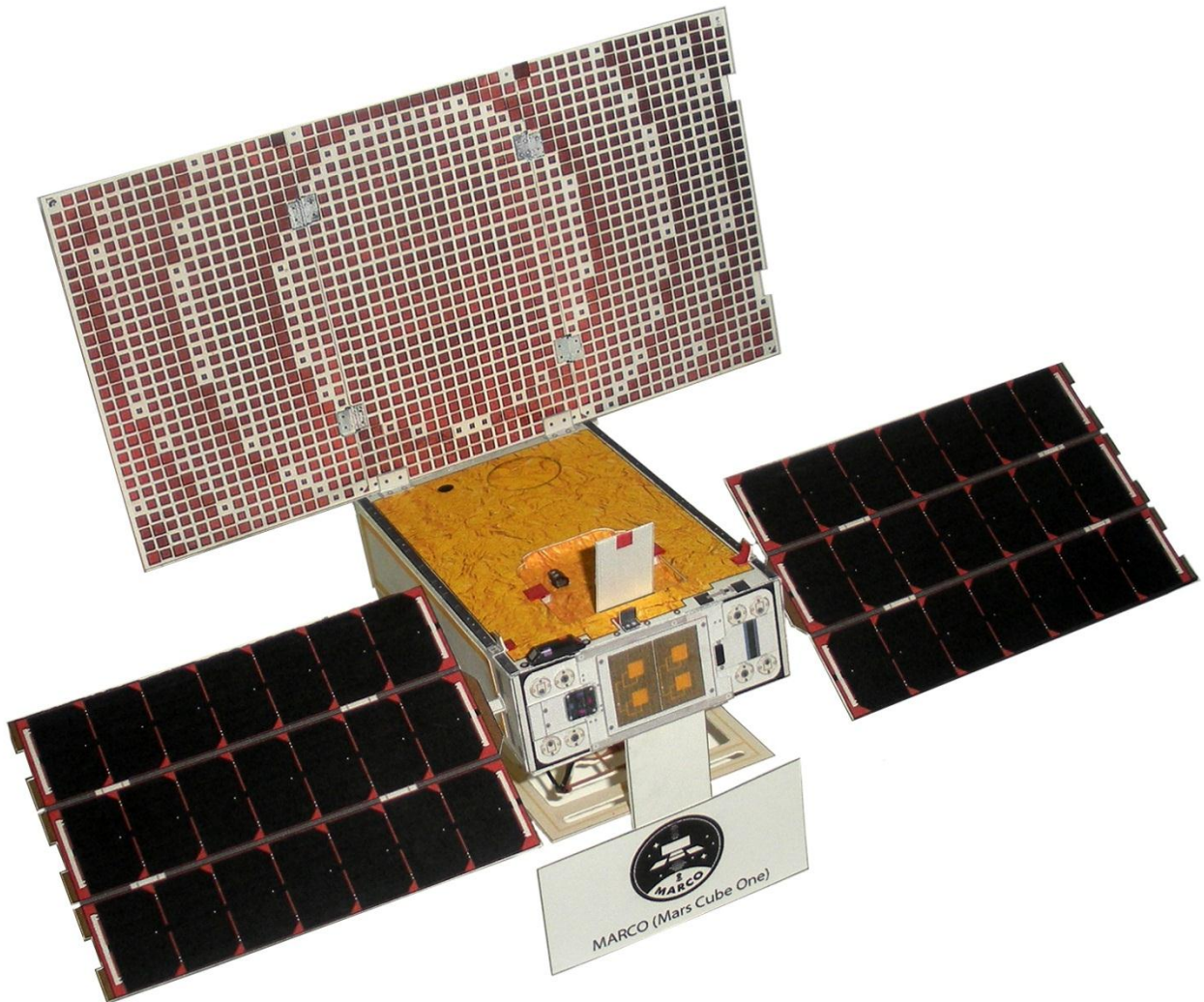
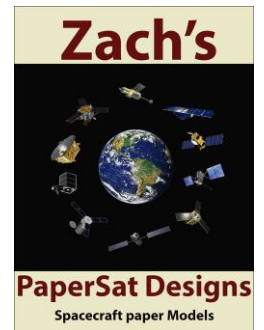
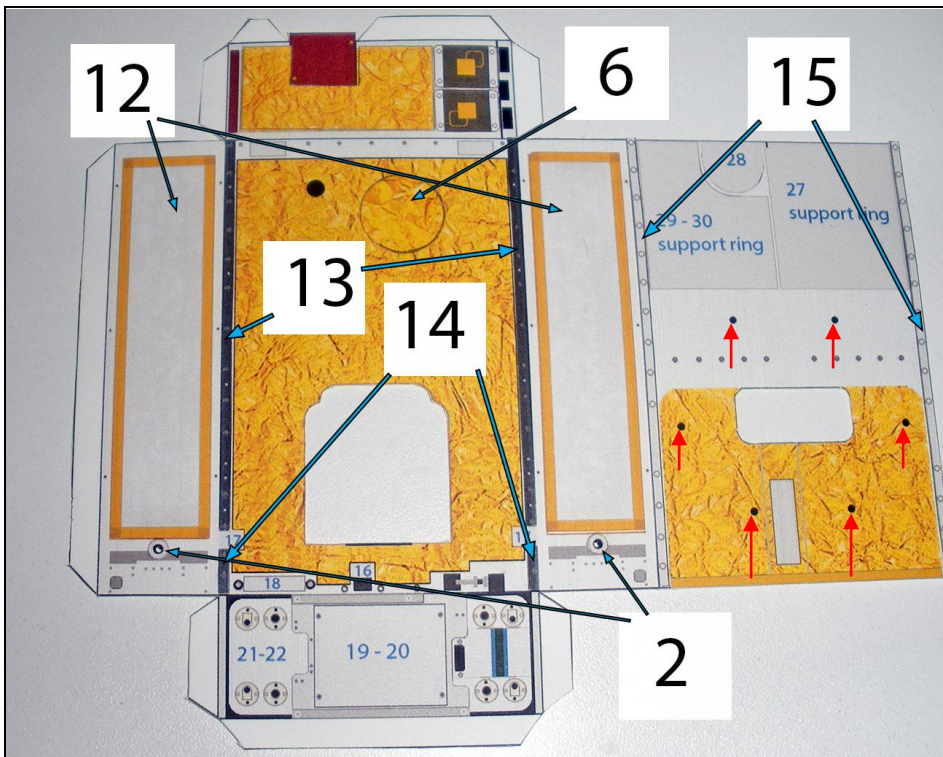




MARCO (Mars Cube One)

1/4 Scale Paper Model Instructions





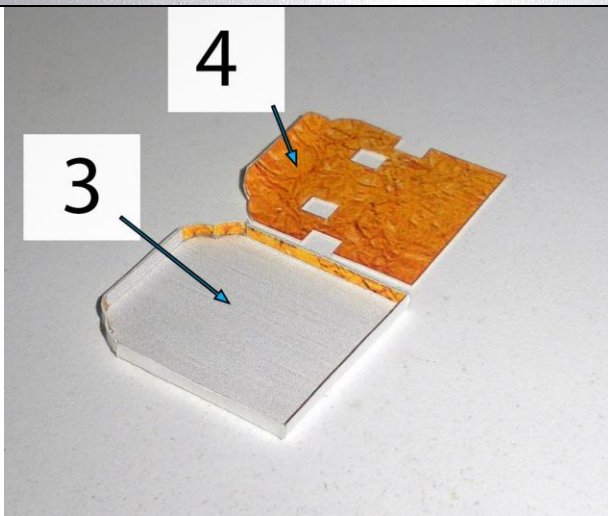
Cut out all three blue areas from part 1

Poke small holes on Parts 2 and the areas on part 1 where parts 2 will be glued to as shown. This will able you to slide the solar array support rod through the body.

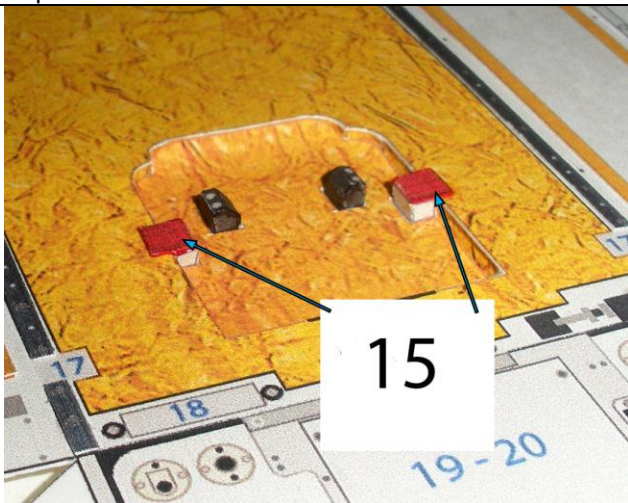
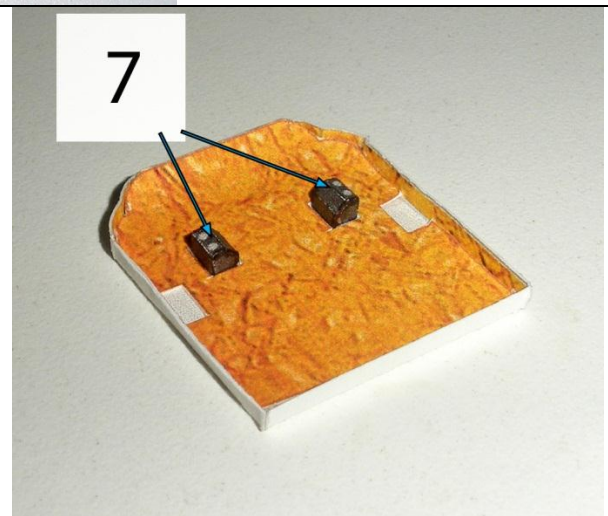
Poke small holes on the six black dots on the under side of the body (red arrows). This will hold the struts in place better.

Glue part 6 to the back side of part 1 to cover the circle cutout.

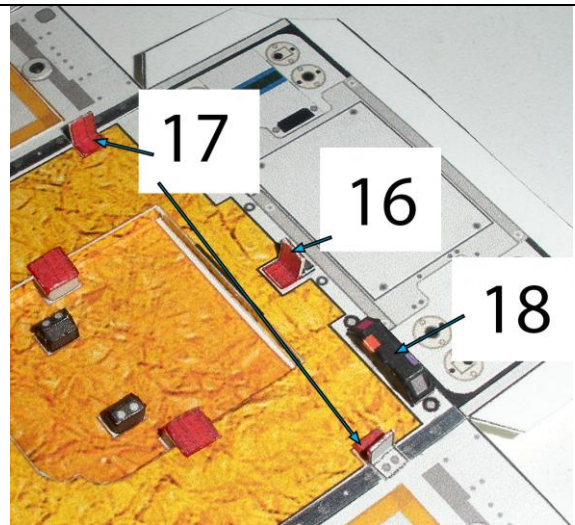
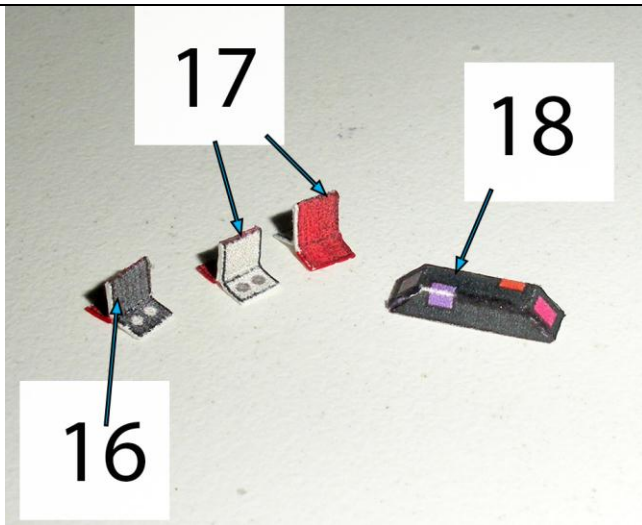
Don't fold the body into a box.



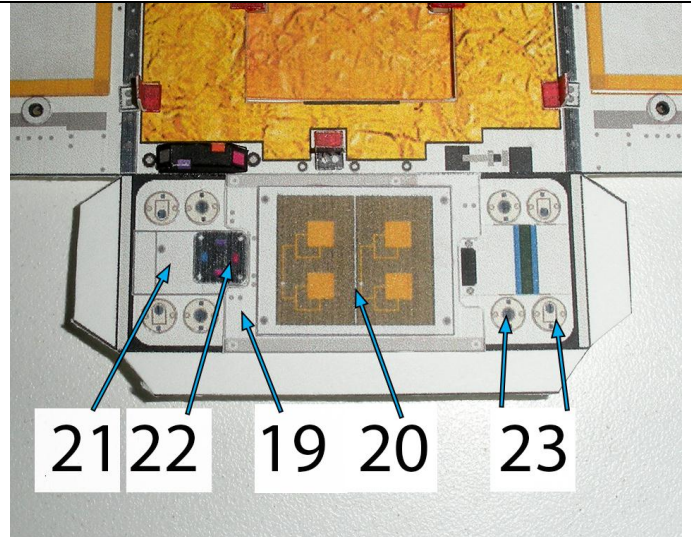
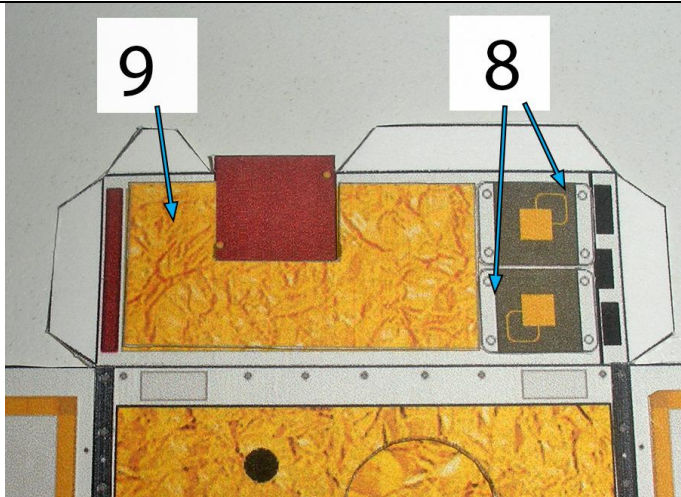
Remove the blue squares from part 4, add a curve to the upper part on 4 as shown.



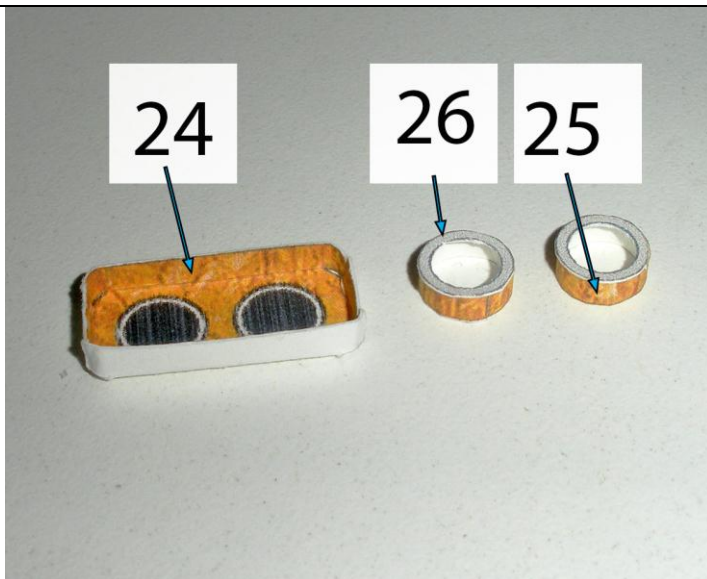
Glue 2, 4, 7 assembly to the back side of part 1 as shown. Fold-glue 15 in place as shown.

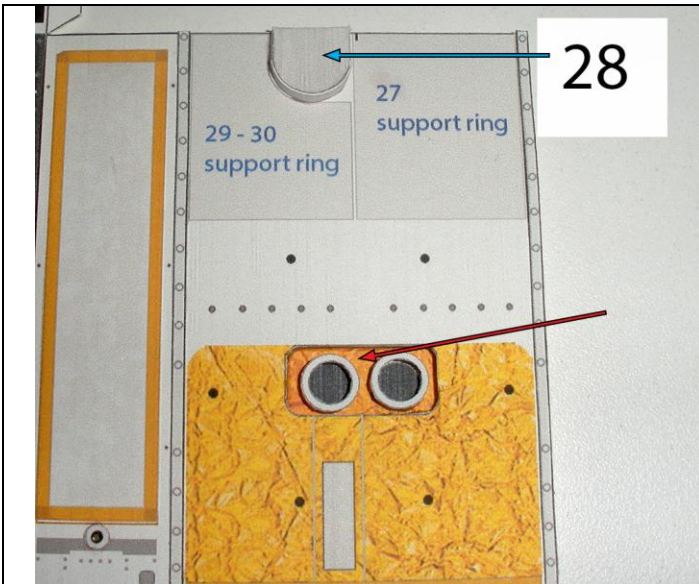


Red side on parts 16 and 17 faces inside. Oreint 18 as shown.

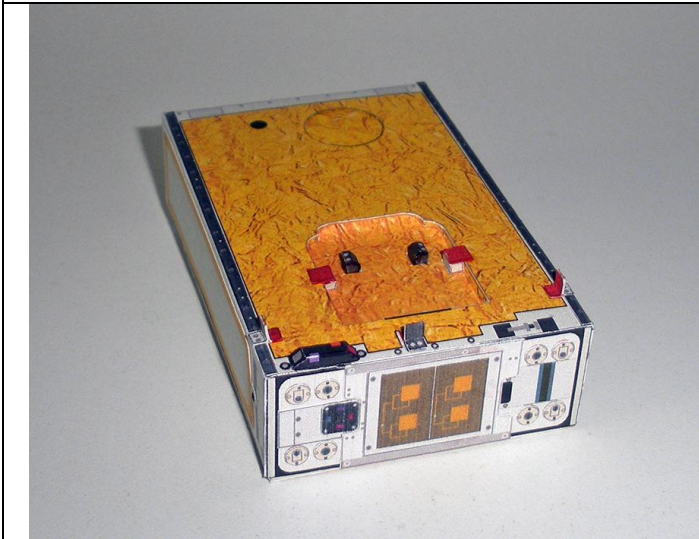
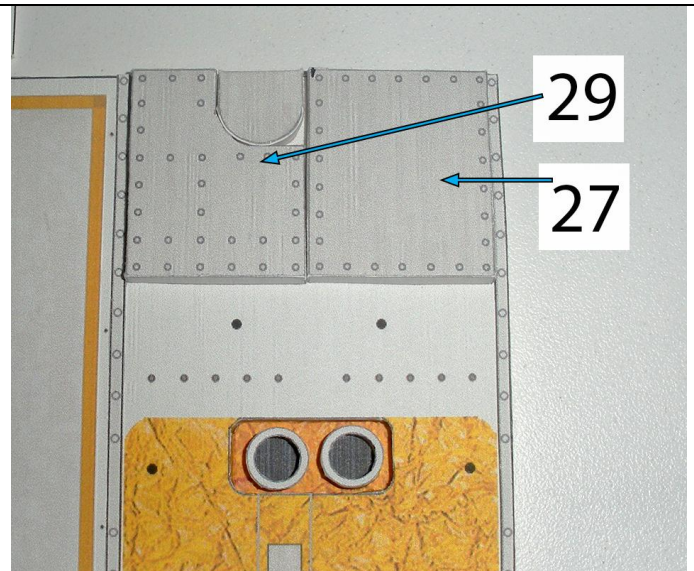


Glue 23 to the matching graphics, there are eight of them.

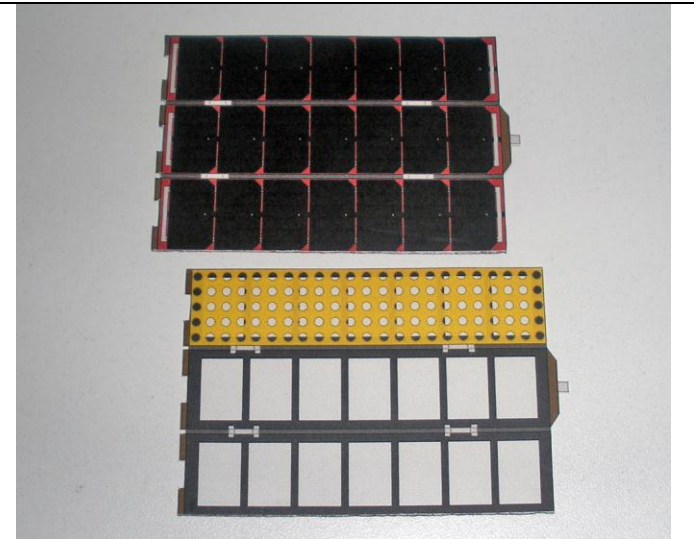




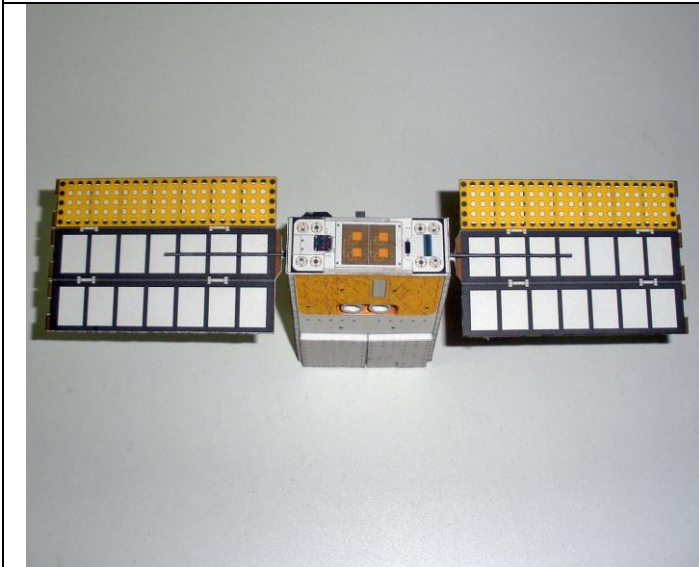
Glue to the back side as shown, glue 28 as shown.



Fold into a box.

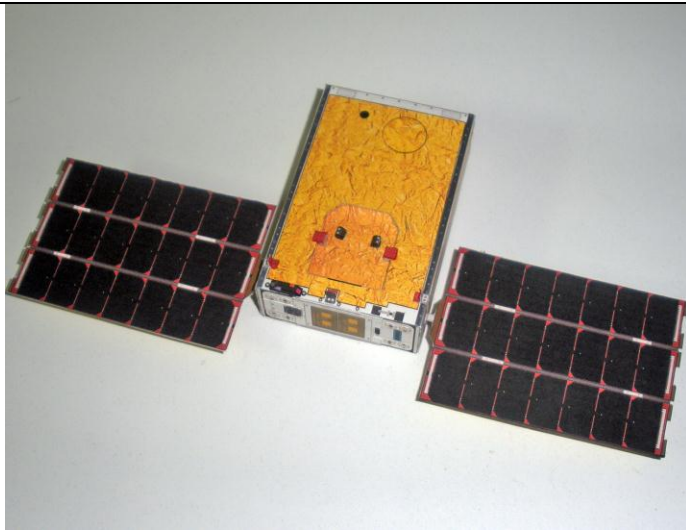


Fold-glue each solar array back-to-back.

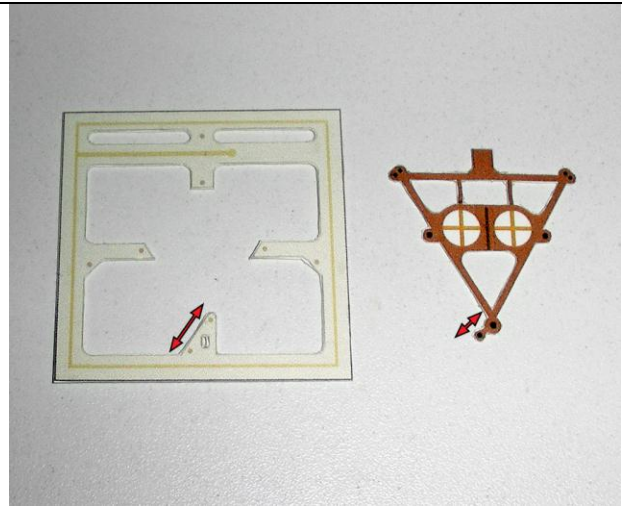


Use a thin stiff wire or music wire cut at the same length as the line on page 3 on the parts sheet and slide it through the two side holes as shown.

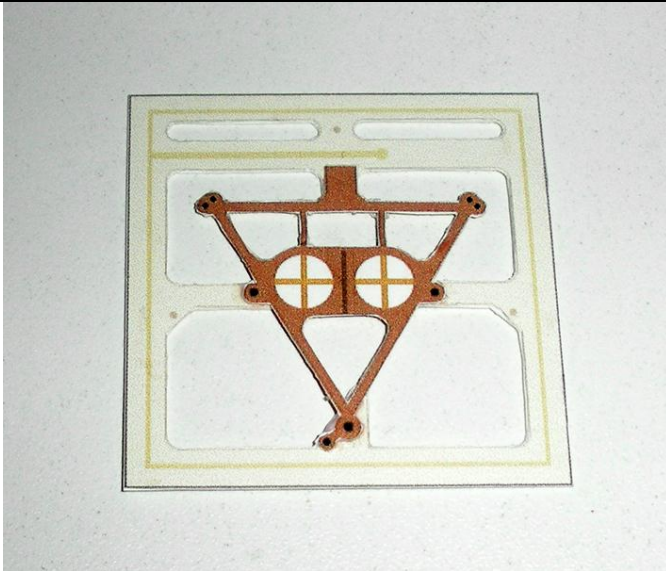
Glue the back side of the first solar array to the rod on one side, make sure the yellow strip as at the top as shown. Glue the other solar array as shown.



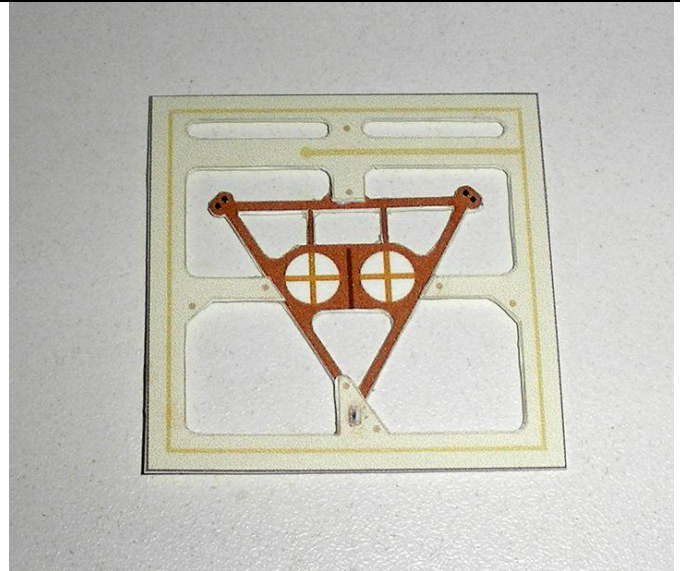
Model should look like this



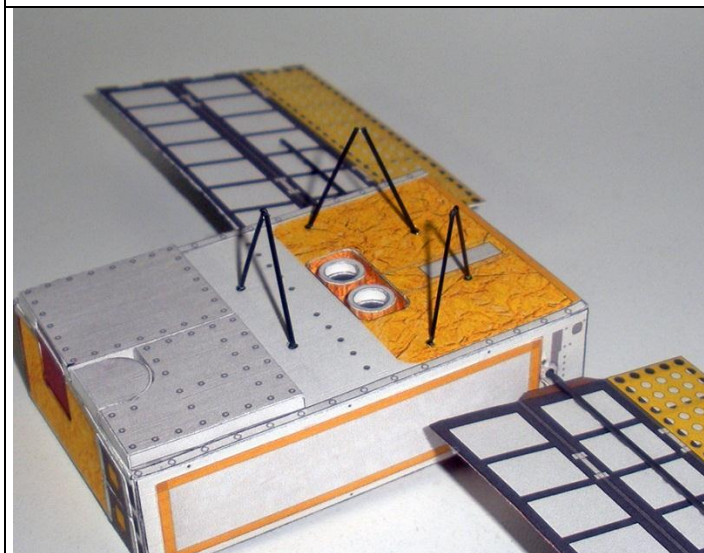
UHF antenna, using the detail version. Glue each pair of parts back-to-back. Turn both parts over so that the angle on the lower brackets faces towards the left as shown by the red arrows.



Glue the triangle part on top as shown.



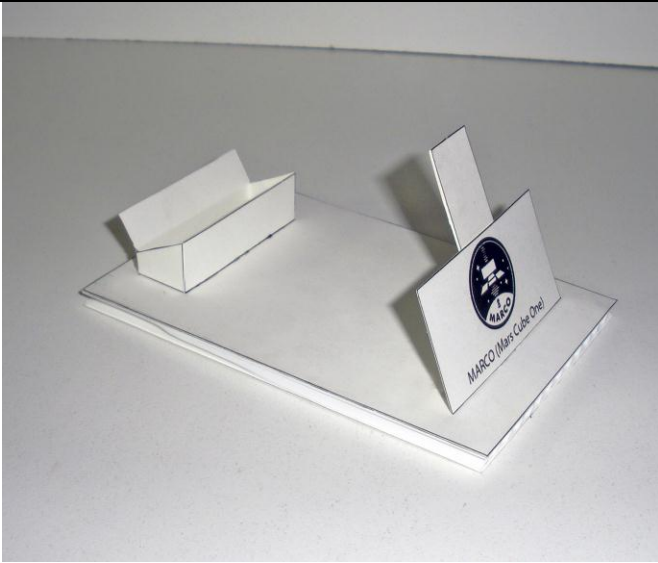
Turn the antenna over. This how it will be glued to the bottom of the spacecraft.



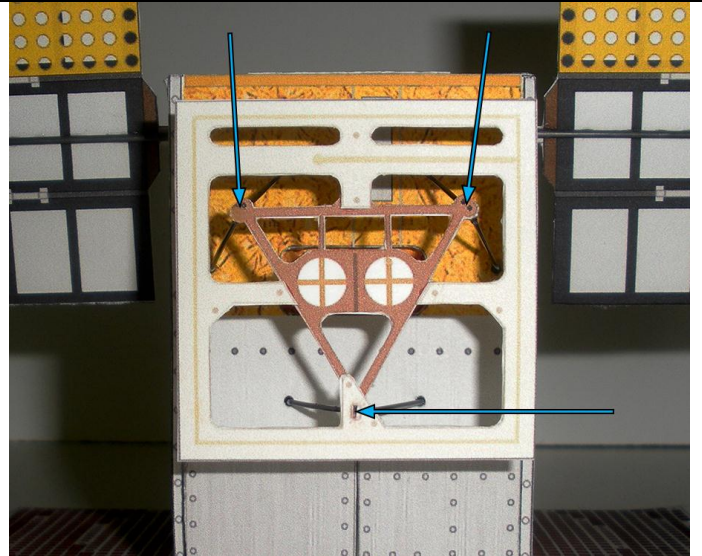
Using plastic broom straws, cut six to the same length as the short line on page 3 on the parts sheet.

Glue each one to a black dot on the bottom of the model. The small holes on the black dots will hold the struts in place better.

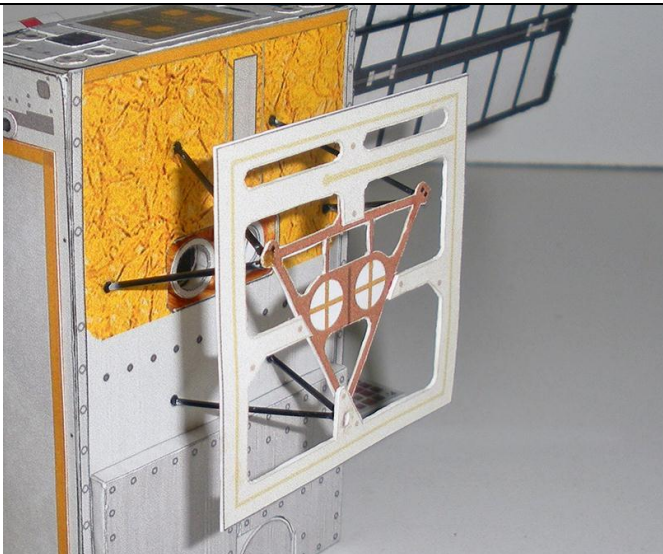
Glue the top part of the struts together to form a triangle.



A stand is provided. You will need this at this point during the remaining model assembly.



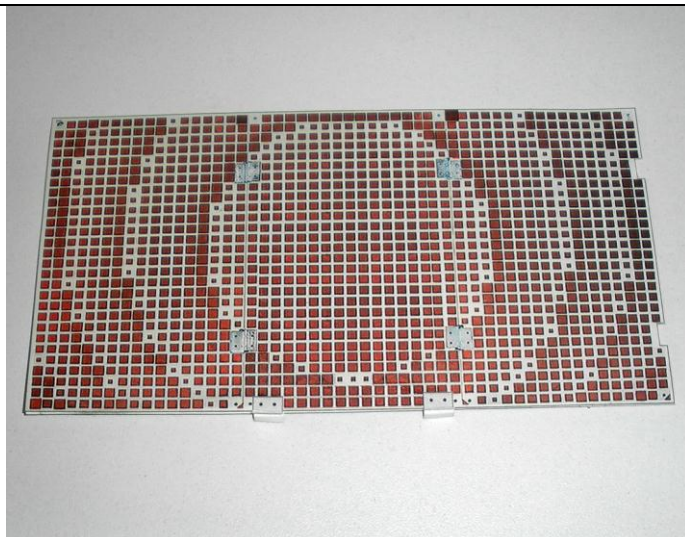
Glue the UHF antenna onto the struts as shown by the three blue arrows.



Another view.

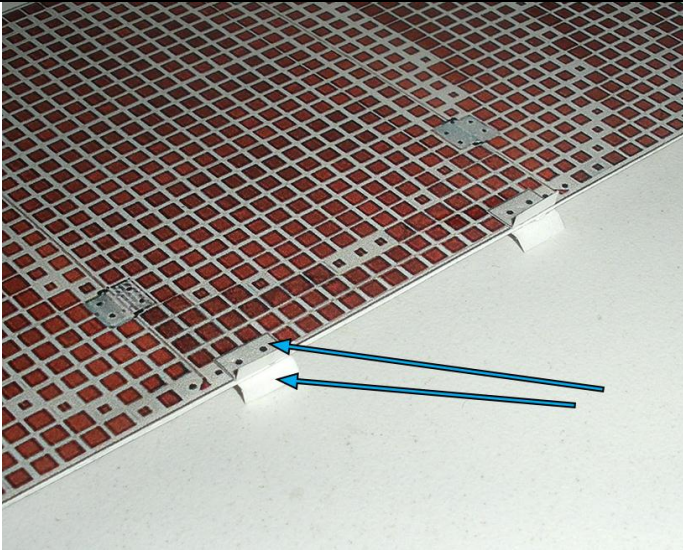


The stand will keep the under side of the model (antenna) from being damaged.

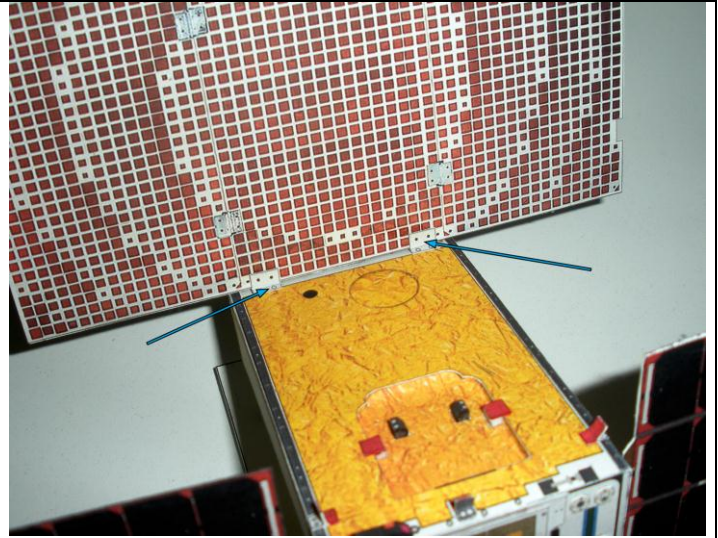


Glue the front and back sides back-to-back.

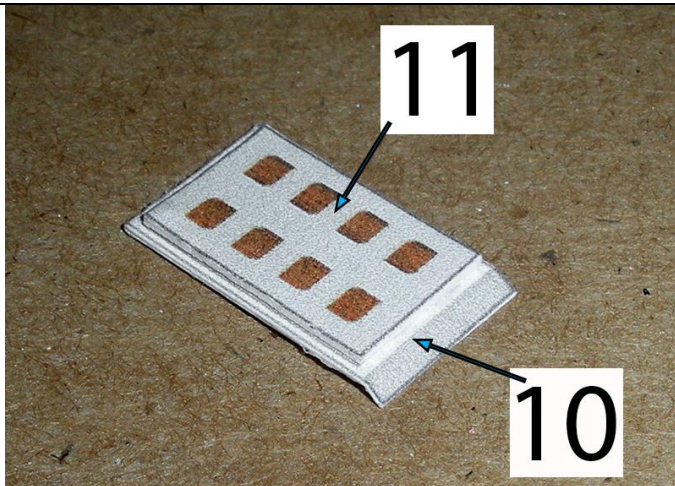
These are actually photos of the real antenna.



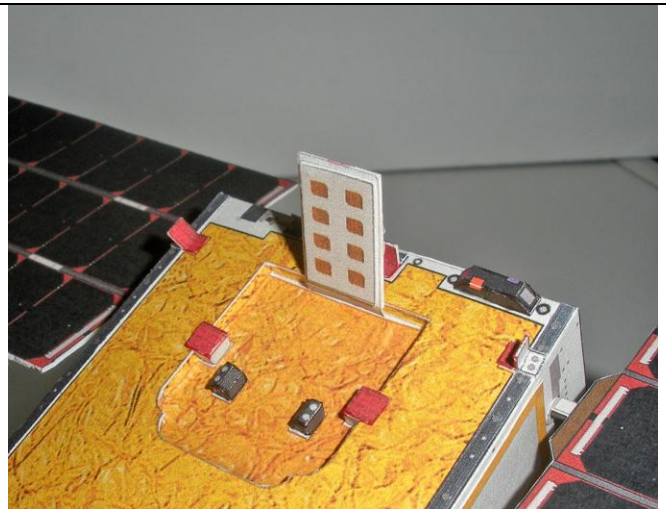
Glue the hinges to the bottom, one on each side.



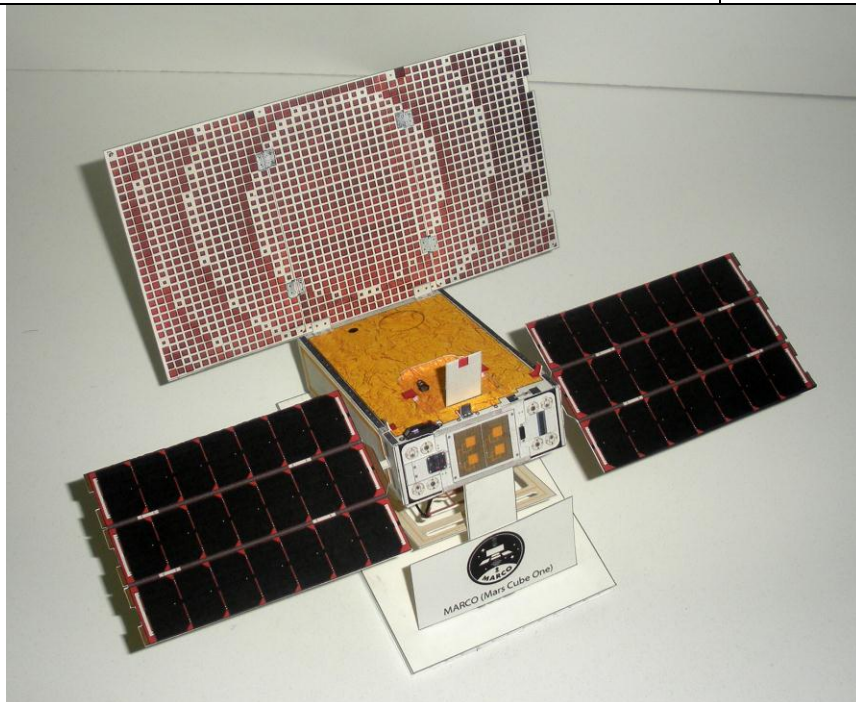
Use super glue for better strength.



Fold-glue 10 back-to-back, glue 11 in place marked "11".
Add an angle to the bottom as shown.



Glue as shown. Angle it back just a little.



Your model is done.