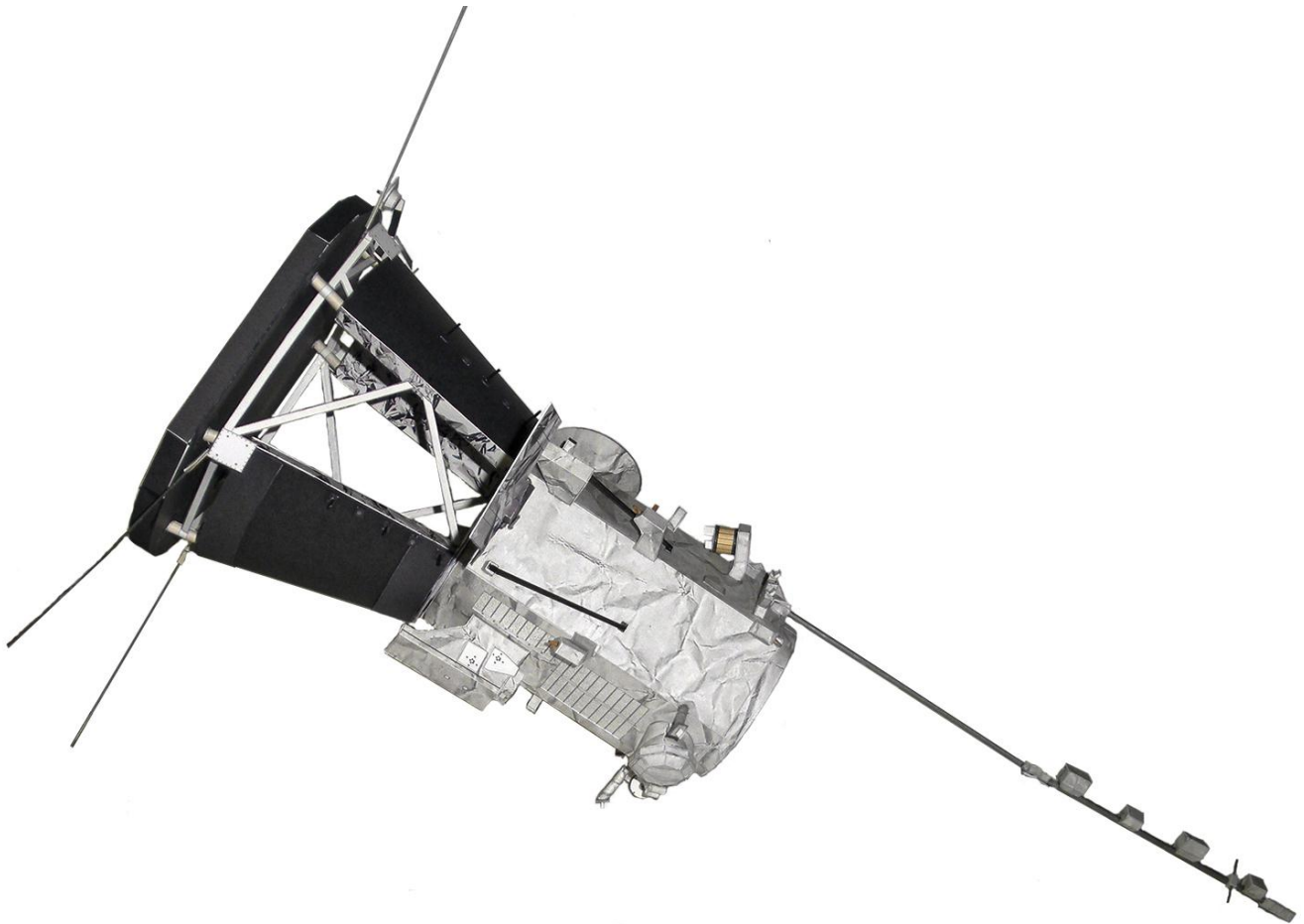
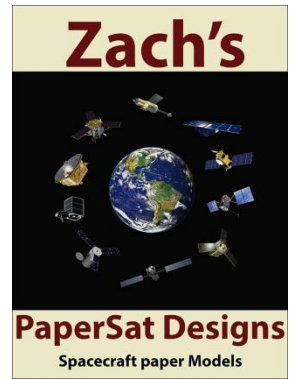
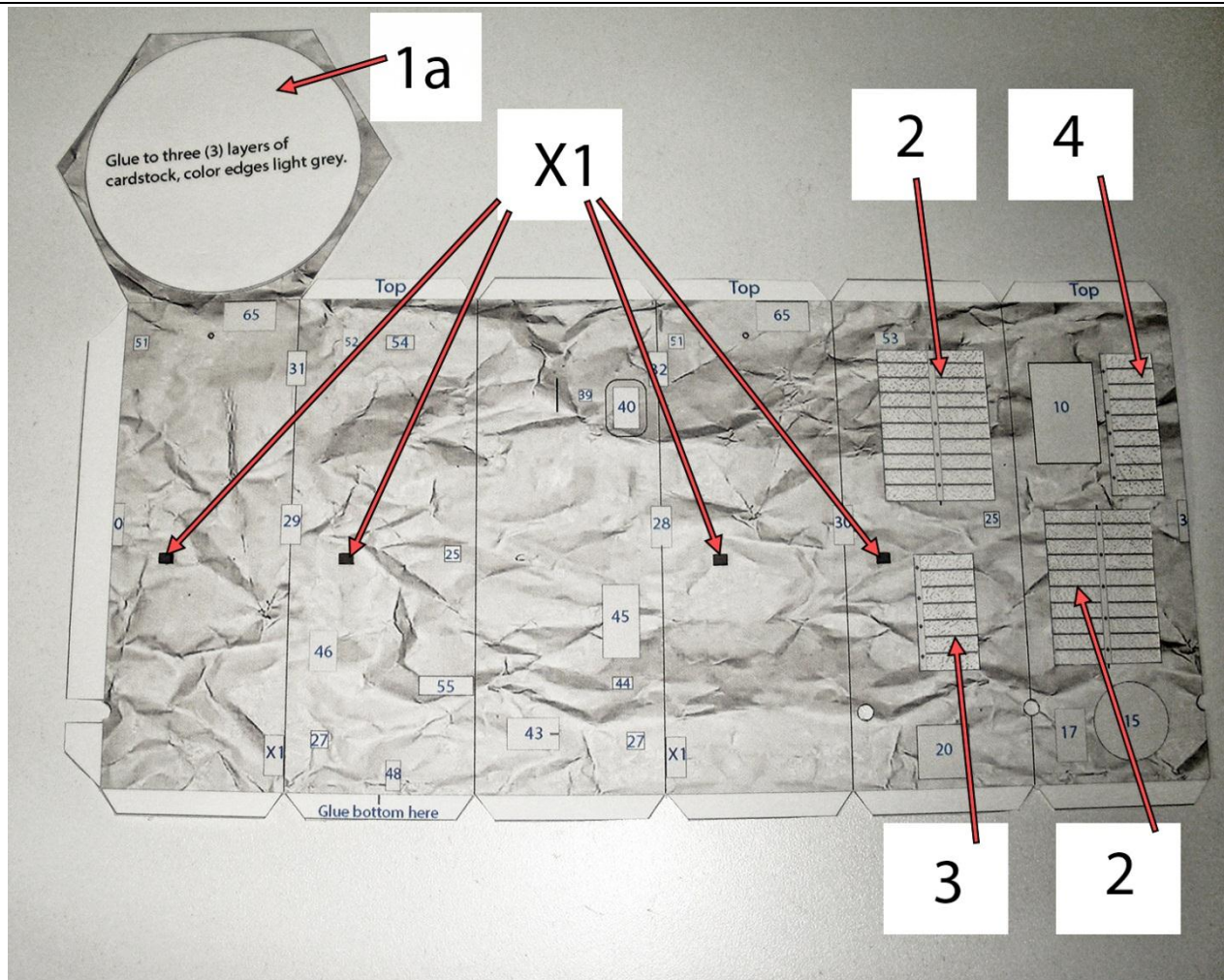




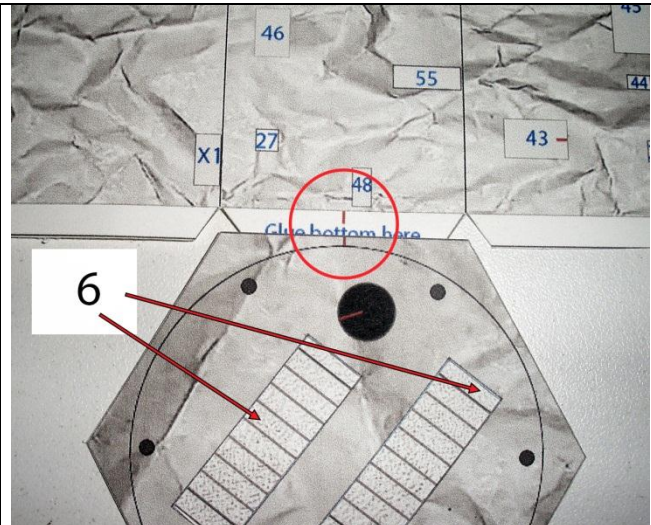
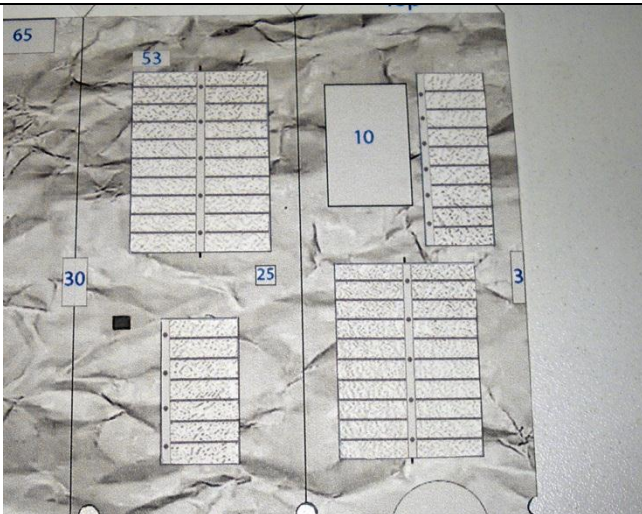
Parker Solar Probe

1/15 Scale Paper Model Instructions

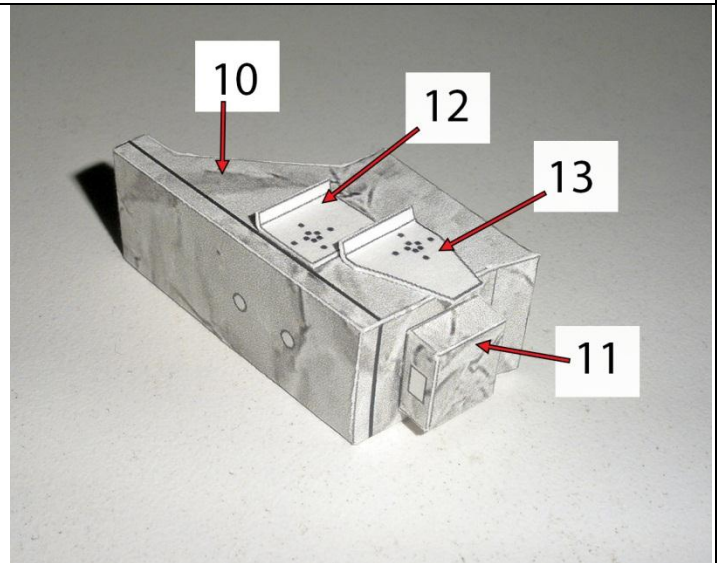
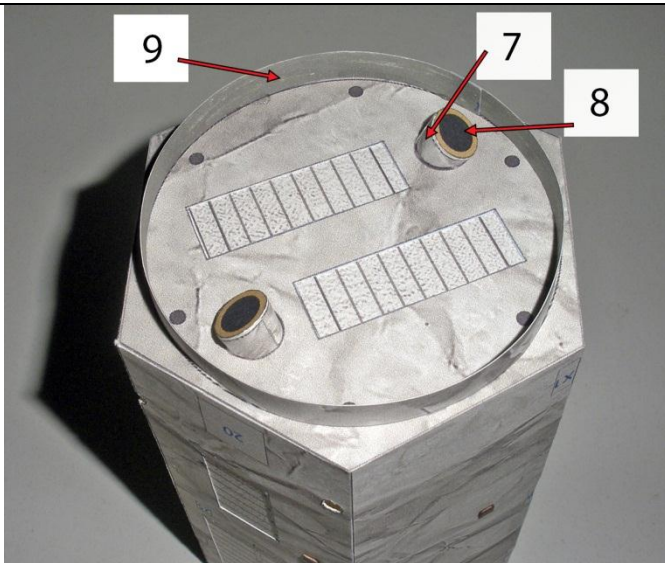
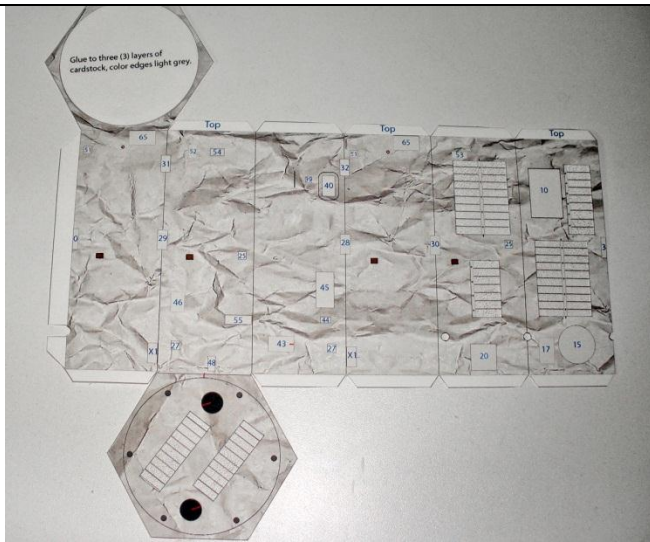




Cut out all blue areas on parts 1 and 5, which includes the three small blue circles on the lower area on part 1. Glue parts 2, 3, 4 and 6 to the backside of parts 1 and 5 as shown. Puch very small holes on the two red dots near the top.

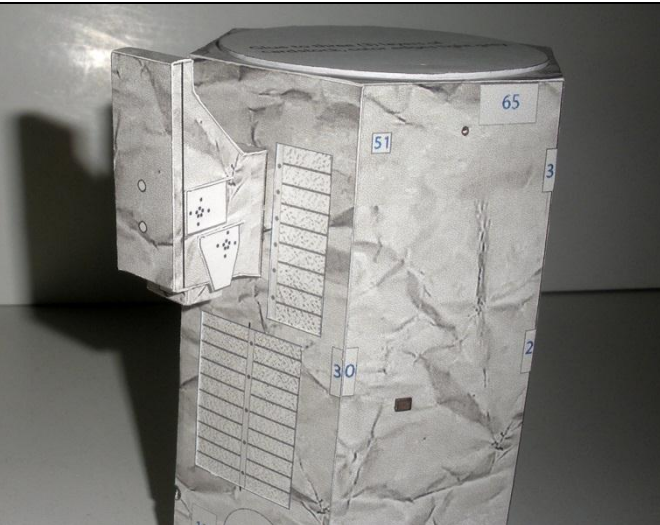


Glue 5 to the marked tab on 1 as shown.

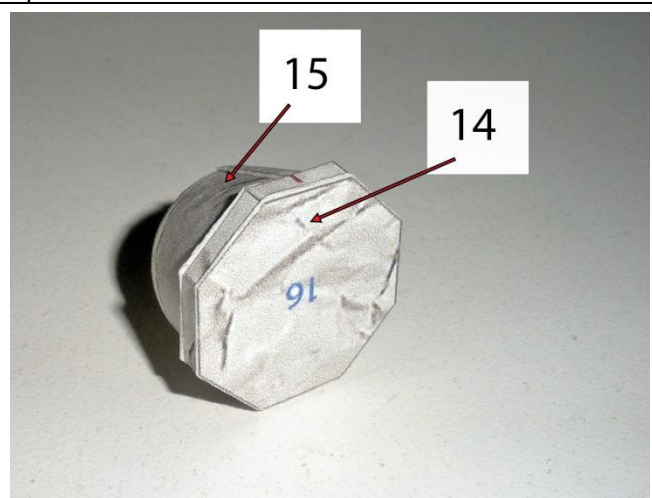


Match seems on 7 to the **red markers** on the black circle on the bottom.

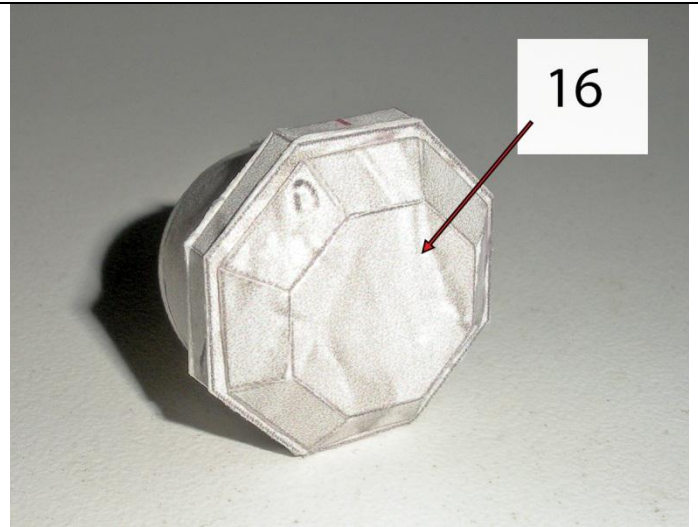
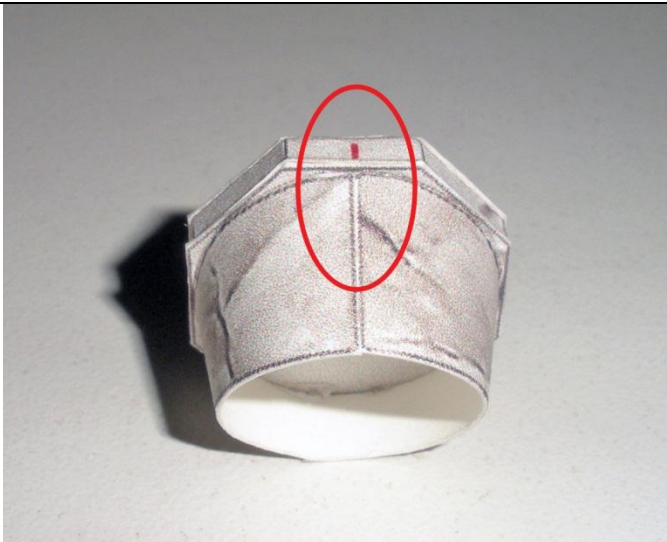
Fold small tabs on 12-13 as shown, glue on the matching graphics on 10



Glue to the labeled area on the body.

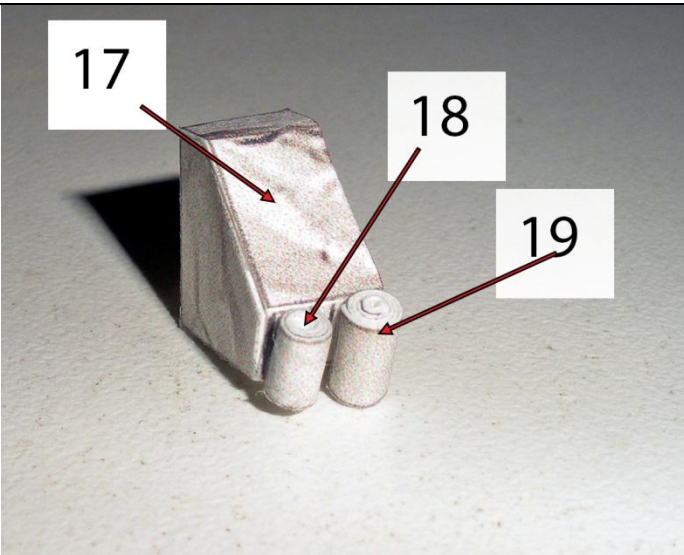


Roll 14 into a thin octagon shaped drum. Roll 15 to an angled cone. Glue 14 to the side of 15 with the blue marker.

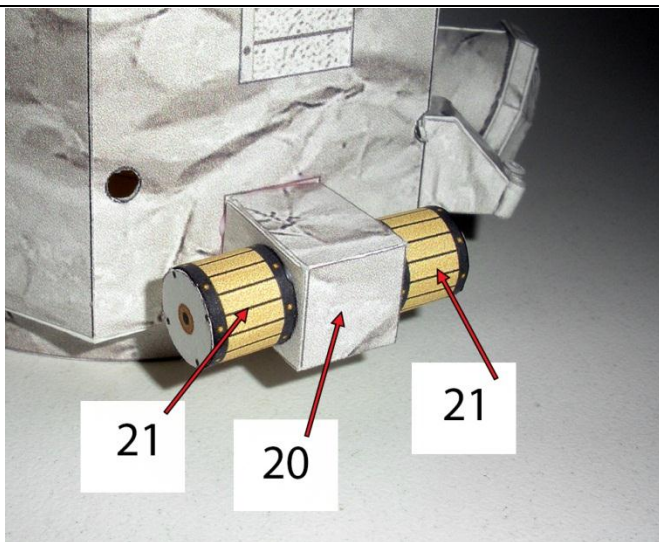


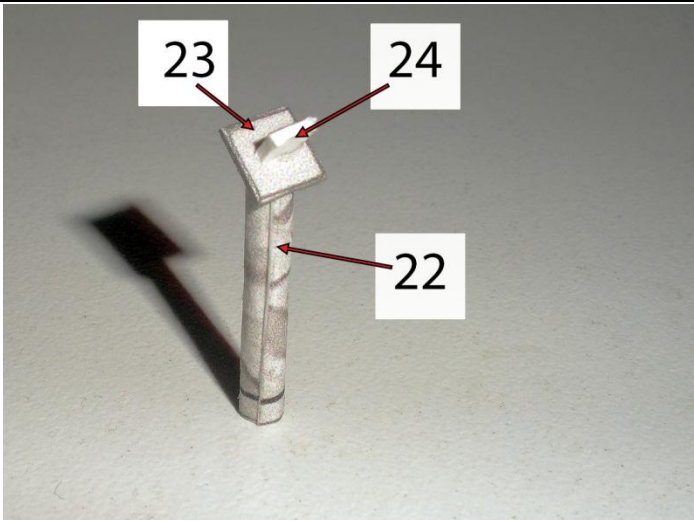
Match seam on 15 to the **red marker** on 14

Glue 16 to the other side.

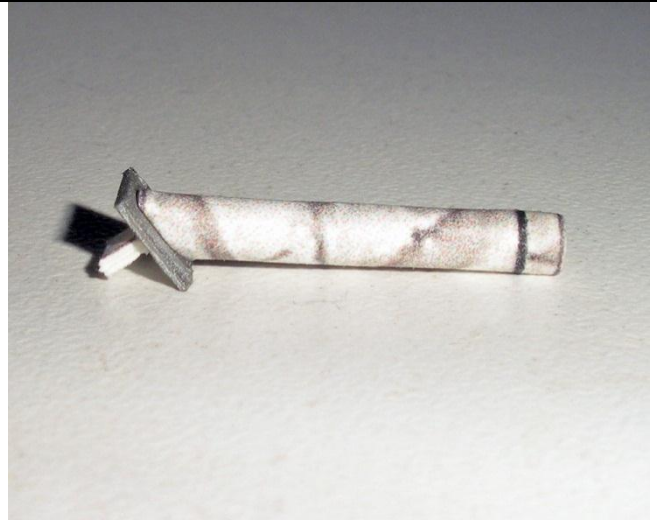


Glue to the labeled areas on the body as shown.

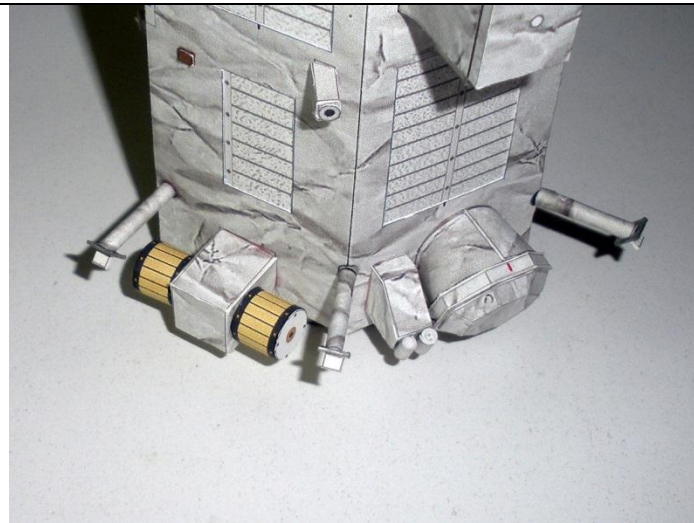




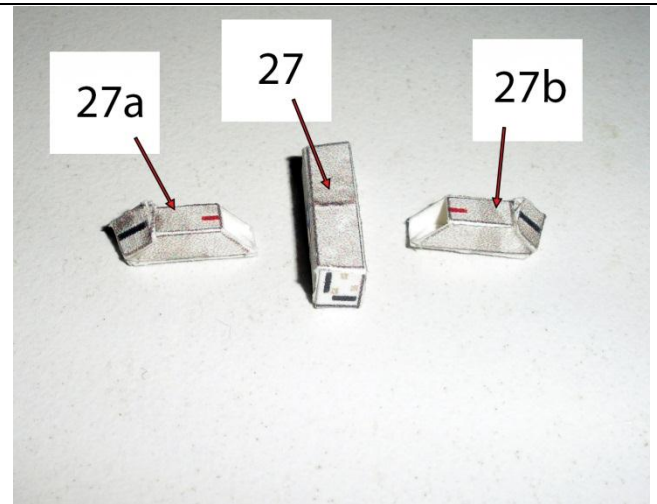
Make three (3) of these. Roll 22 to tight solid paper rods.



Cut an angled to one end as shown on page 3 on the parts file.

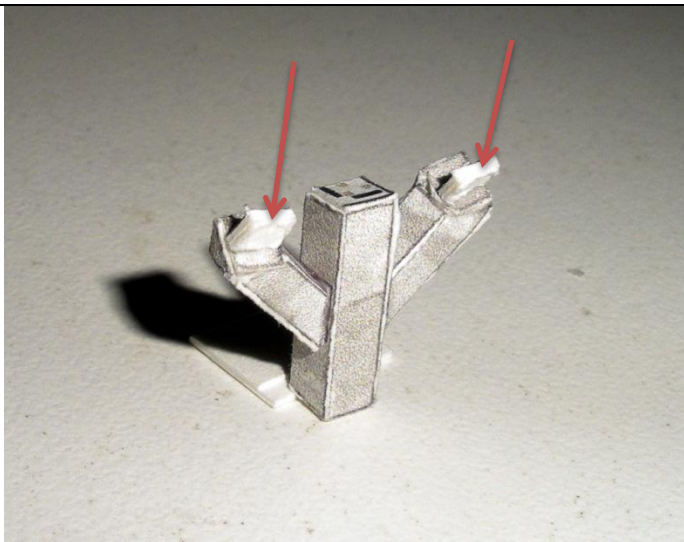


Glue onto the three small holes near the bottom up to the black line with the angled side downwards.



See next photos on how 27a, 27b are folded and glued.

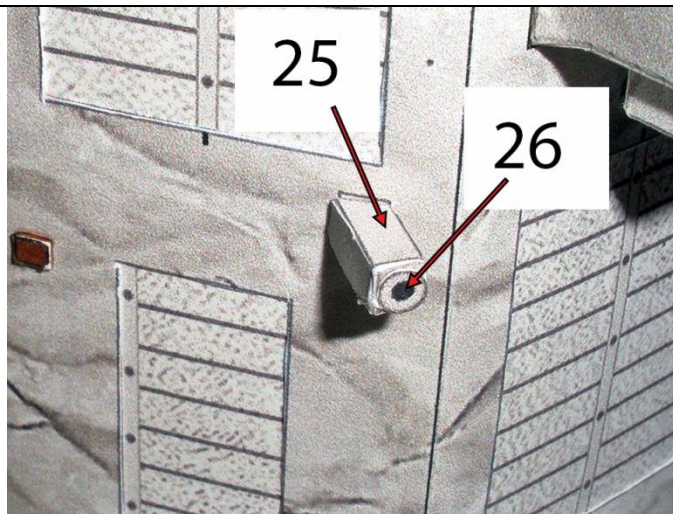




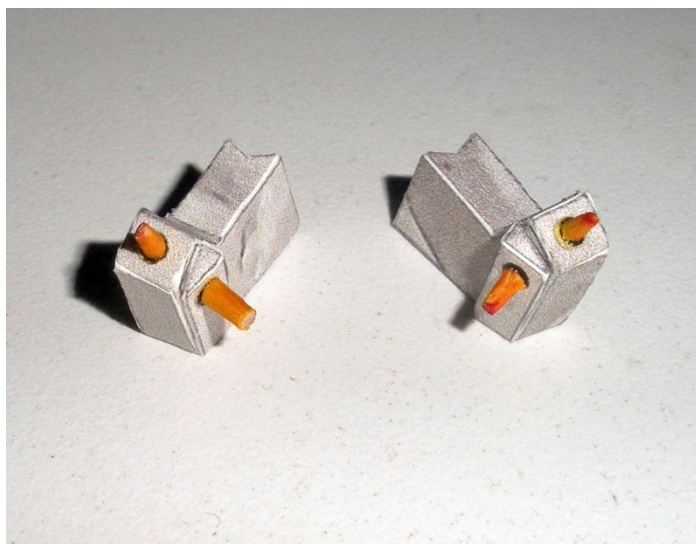
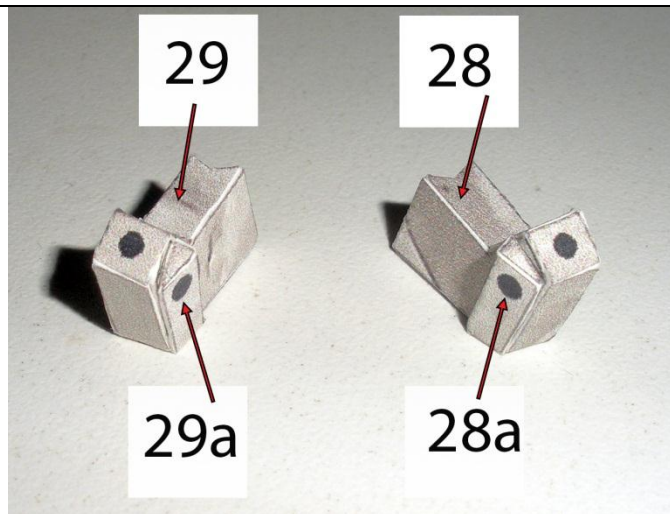
glue to the labeled sides on 27. Make two of these.
Glue parts 24 on the black lines as shown (red arrows).



Glue to the labeled squares near the bottom of the body with an upward angle.



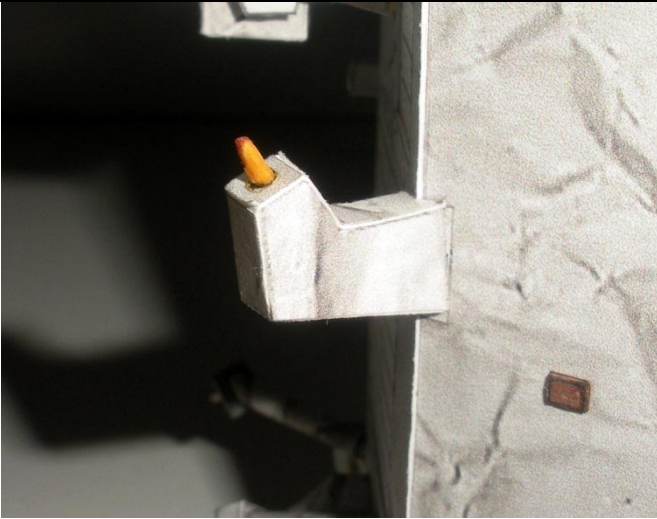
Glue to the labeled squares on the body as shown.



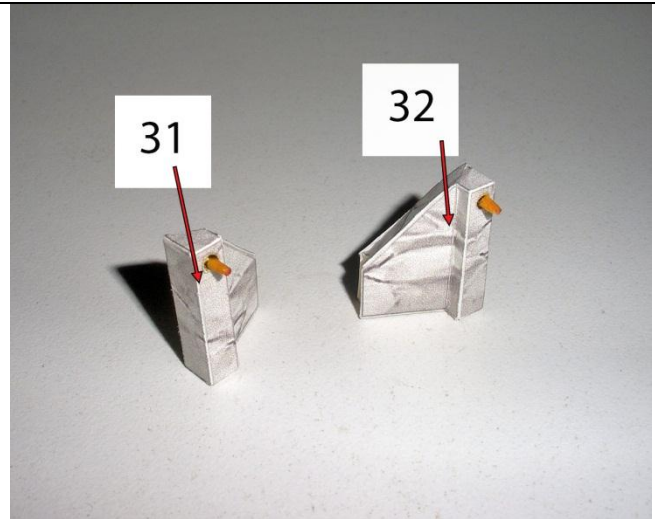
Need 10 flattened pointed tips from tooth pics cut around 3mm long, colored dark yellow. Glue to the black dots on 28, 28a, 29, 29a as shown.



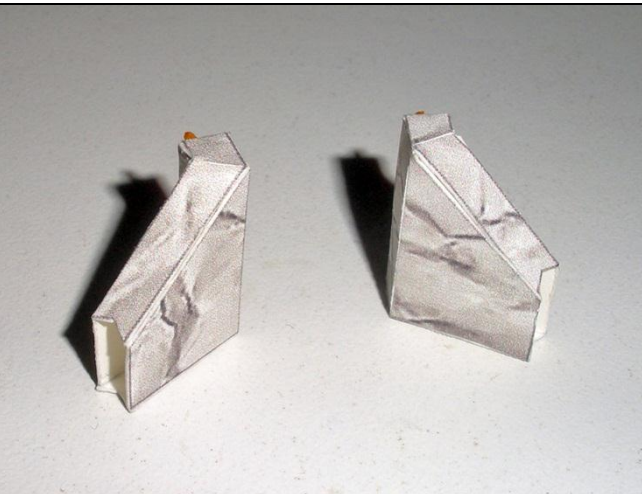
Glue to the labeled squares on the body as shown.



Parts 30 with painted end of tooth pic. Make two of these, glue to the labeled squares on the body as shown.



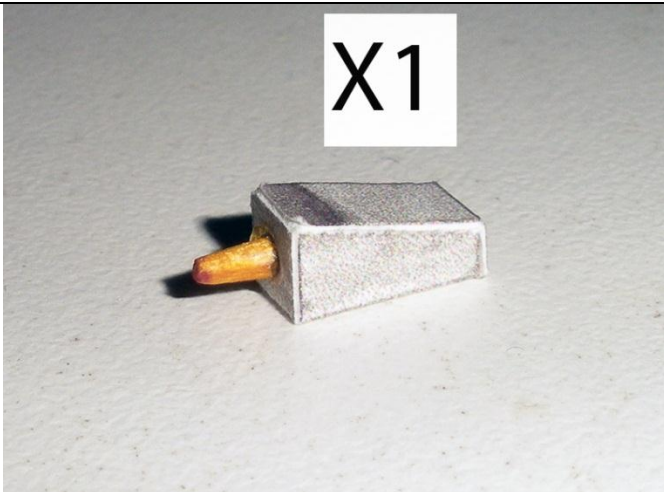
Parts 31 and 32 with painted end of tooth pic.



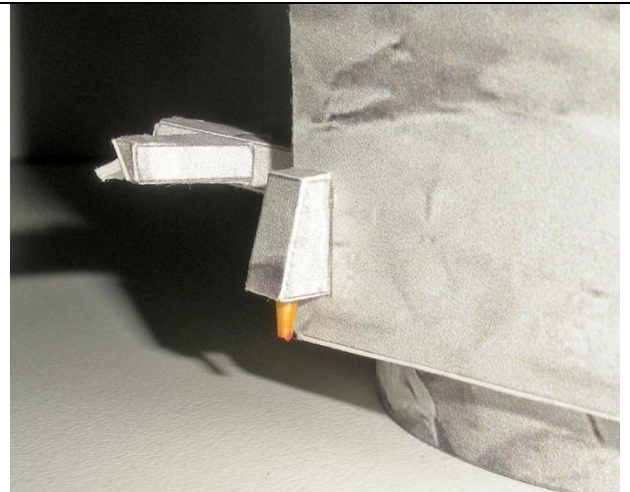
back view of parts 31 and 32



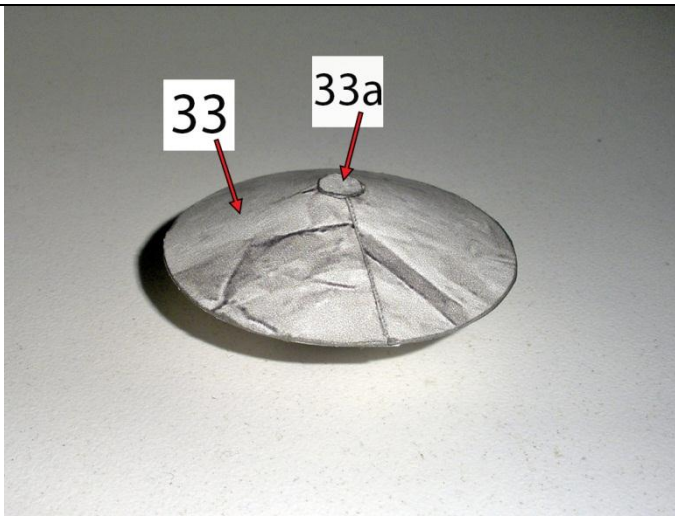
Glue to the labeled squares on the body near the top as shown.



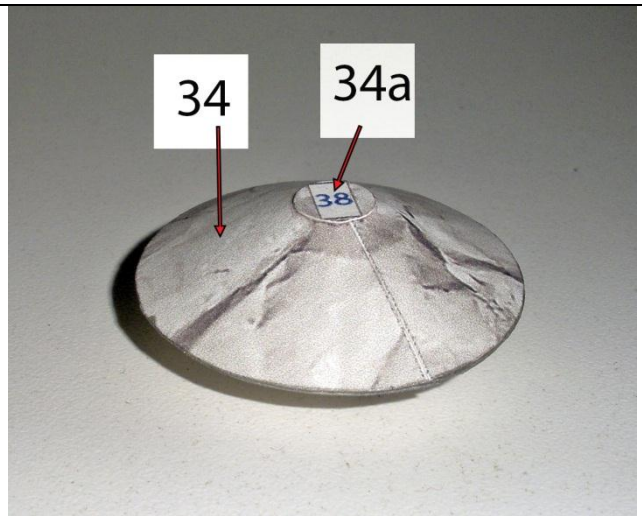
Make two of these with painted end of tooth pic.



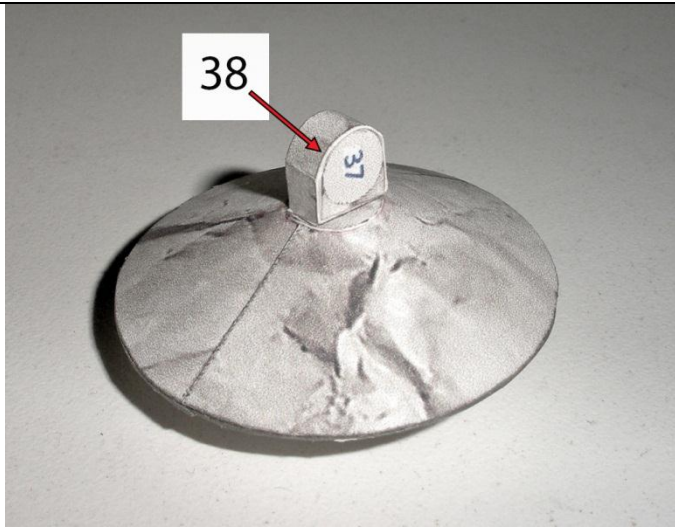
Glue to the labeled squares on the body near the bottom as shown.



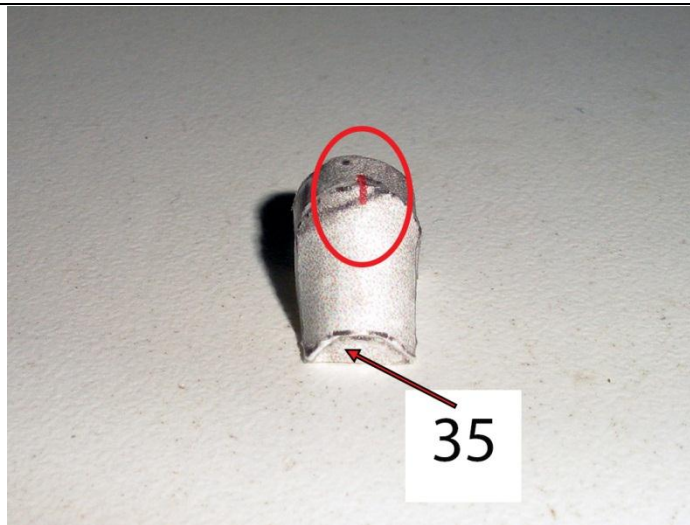
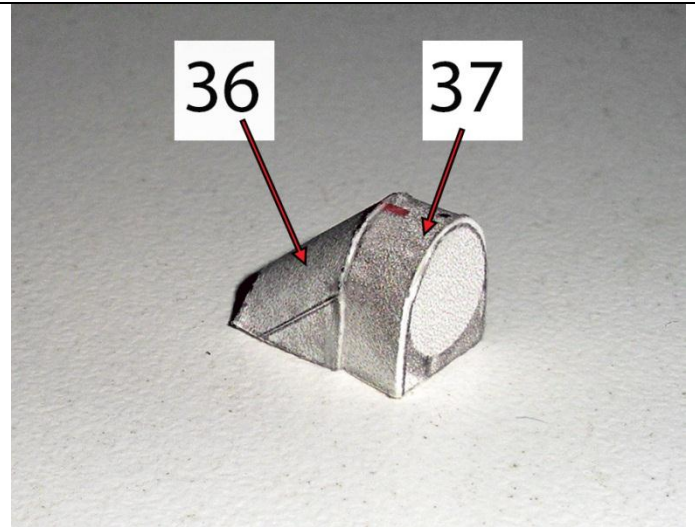
side 1



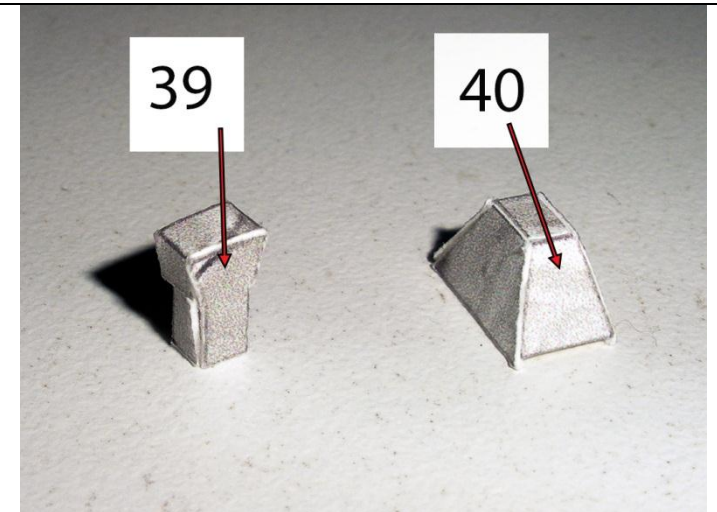
side 2 - Glue the two dishes as shown.

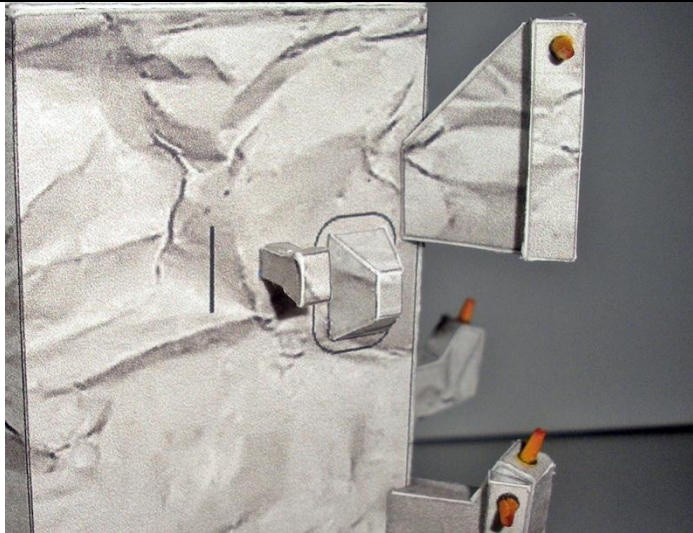


Glue 38 to 34a as shown.

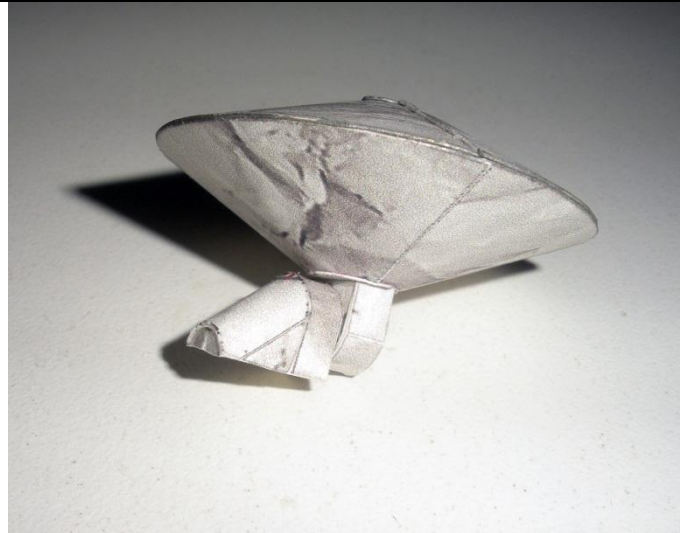


Match the red markers on 36 and 37 together, glue 35 as shown.

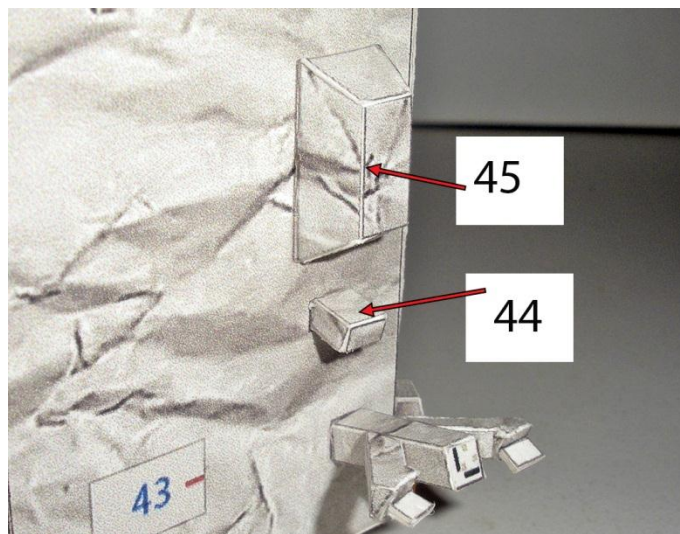
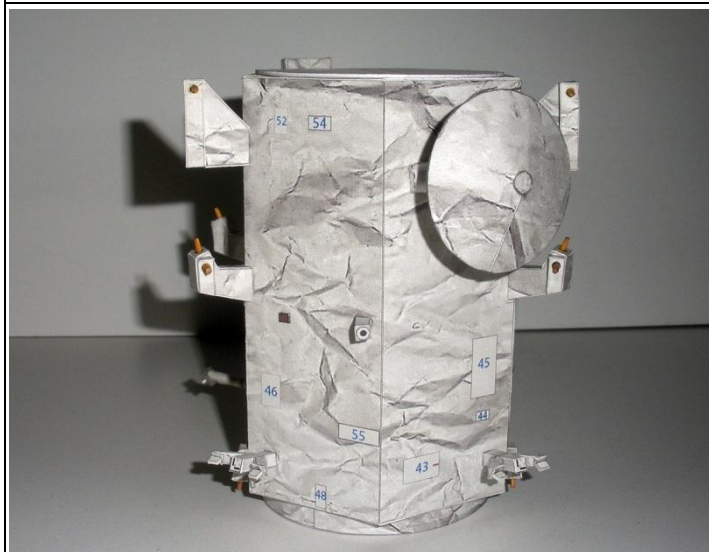
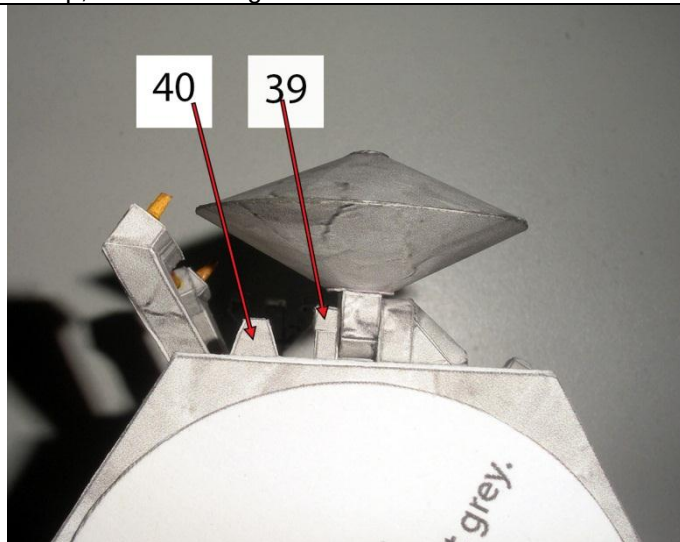




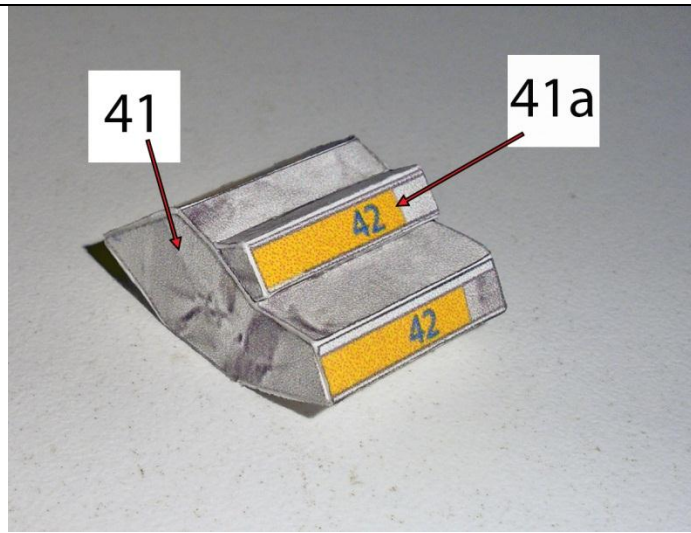
Glue 39, 40 onto the labeled areas on the body as shown.



Glue 36-37 onto 38 on the dish as shown. You can angle to dish up, down or straight.

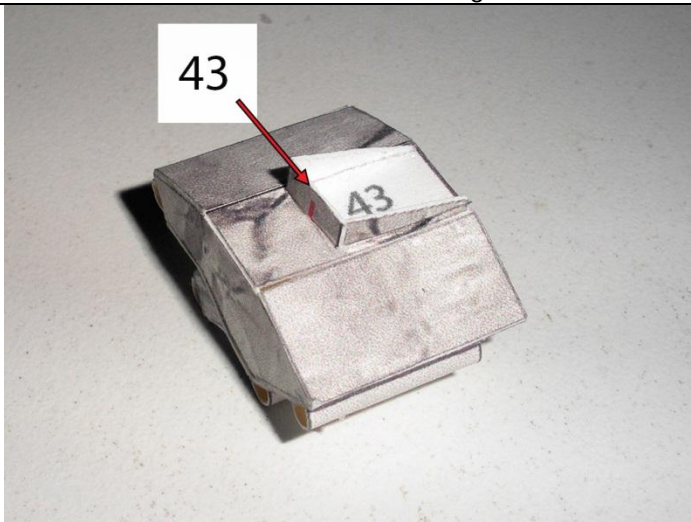


Glue 44, 45 onto the labeled areas on the body as shown. 44 should be angled downwards.

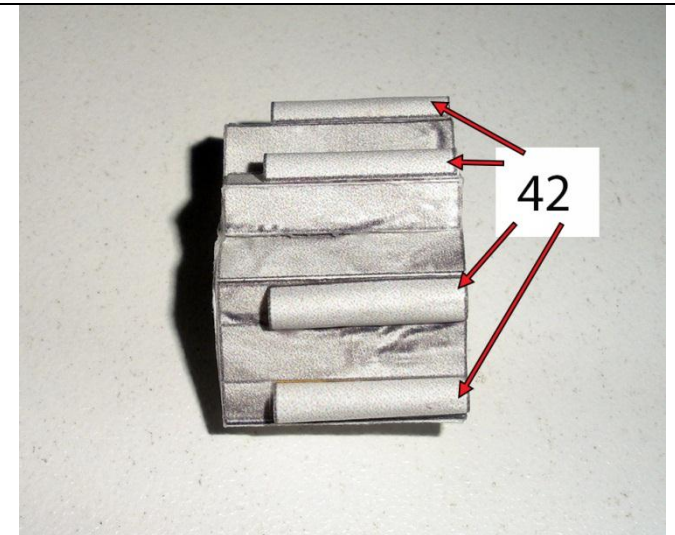


Match the red markers on 41 and 41a together.

other side of 41, 41a.



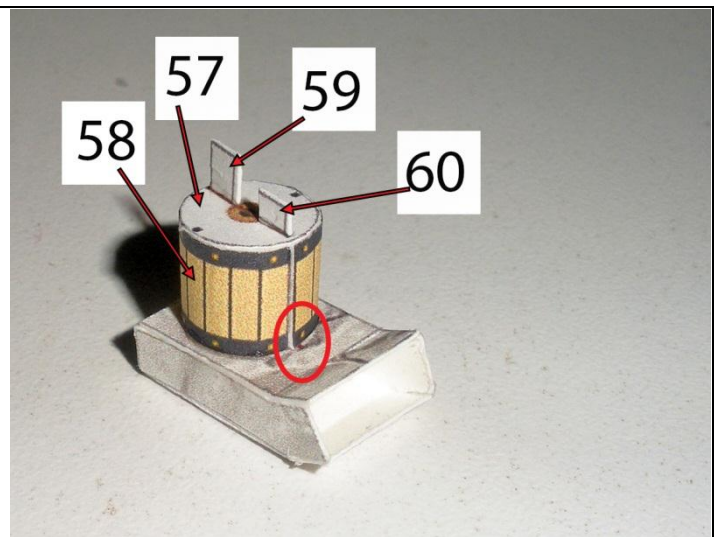
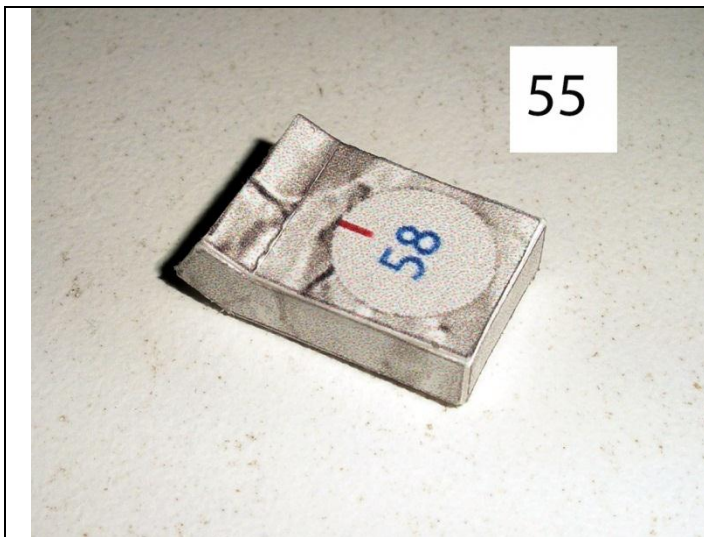
Match the red marker on 43 to the red marker on the bottom side of 41.



Roll 42 to half circle tubes, glue over the yellow areas as shown, see next photo.



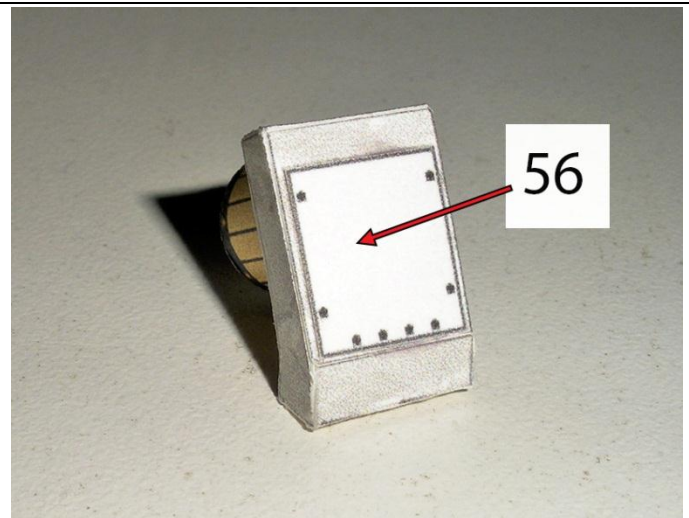
Glue onto the labeled area on the body as shown.



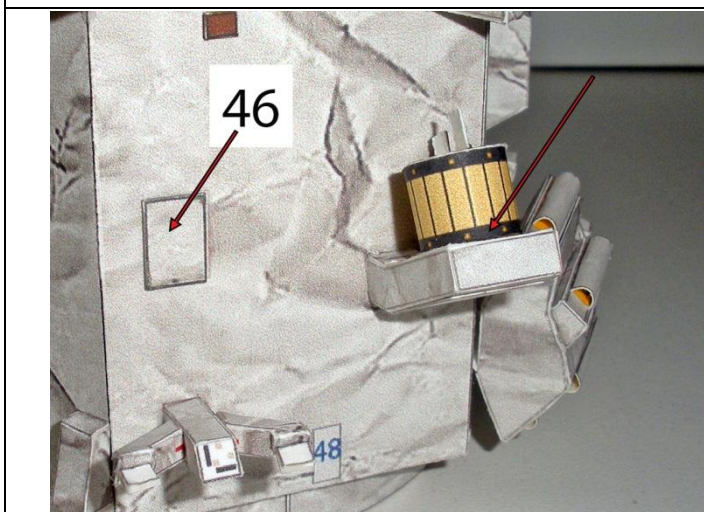
Match the line of 57 to the seem on 58. Match the seem on 58 to the red marker on 55.



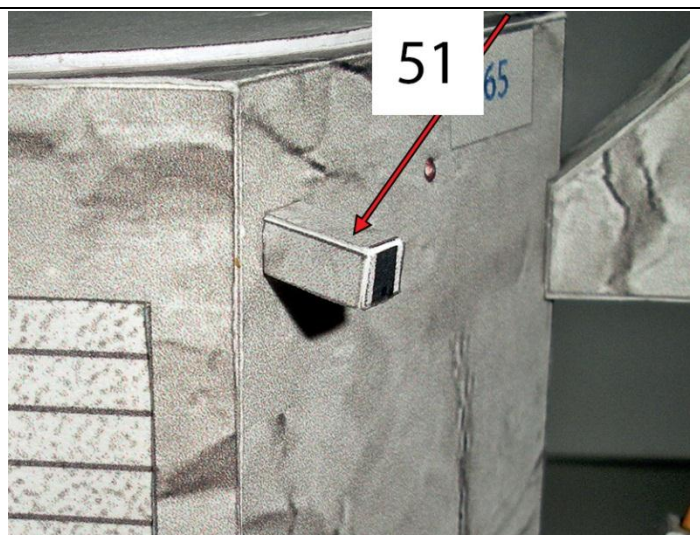
Should look like this



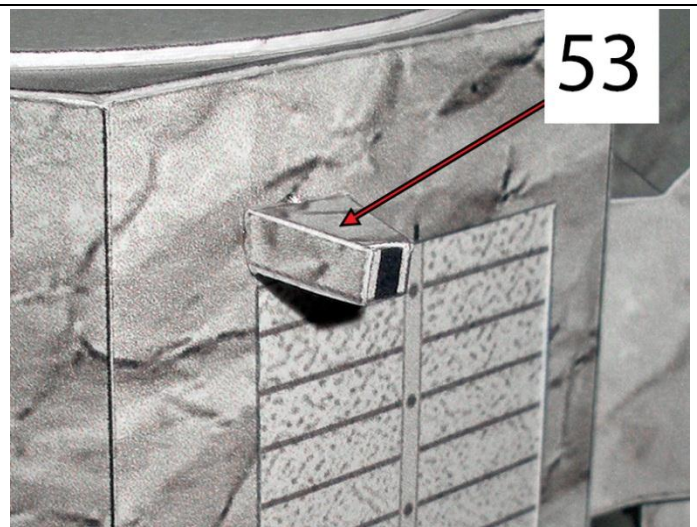
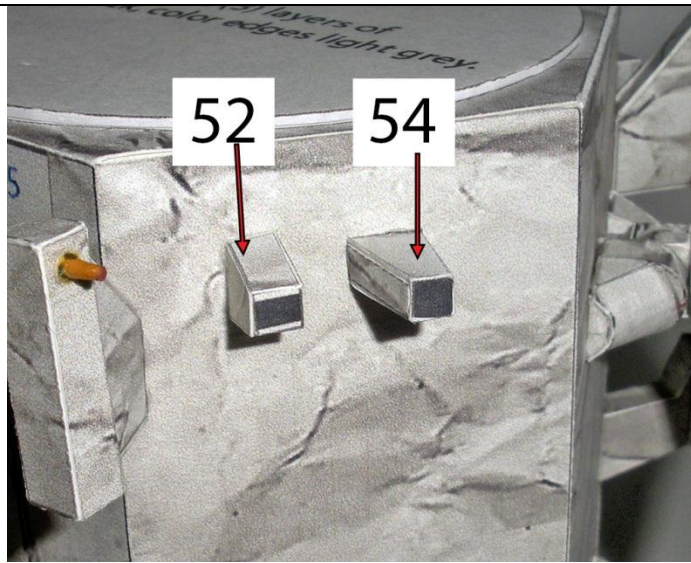
Glue 56 to the bottom



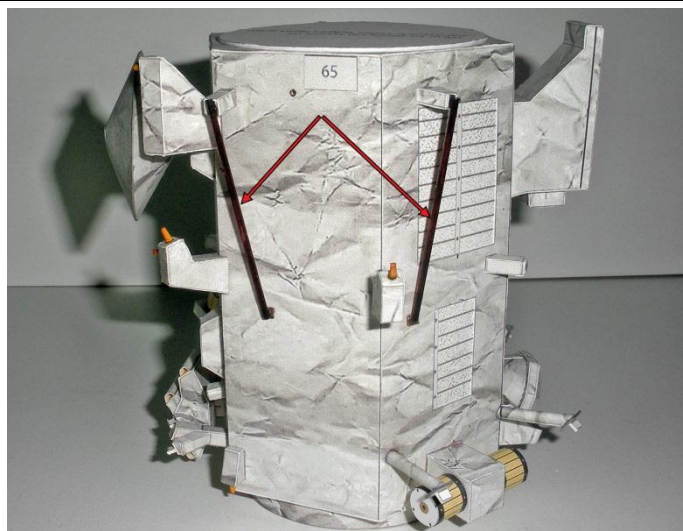
Glue to the rectangle labeled "55" as shown, glue 46 as shown.



Make two of these. Glue onto the labeled areas on the body as shown



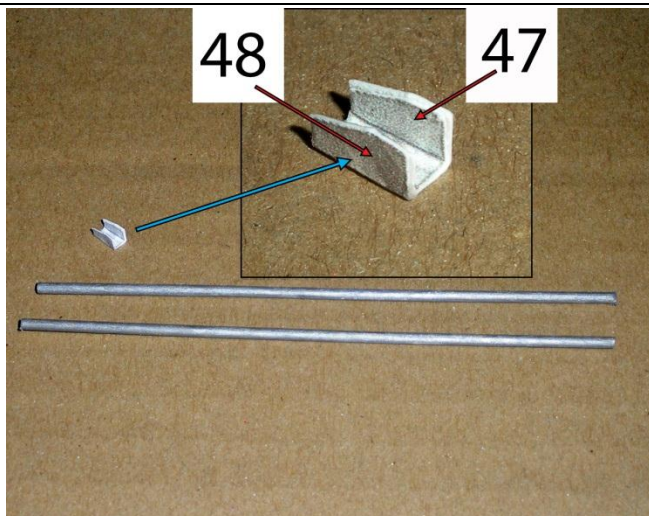
Glue onto the labeled area on the body as shown.



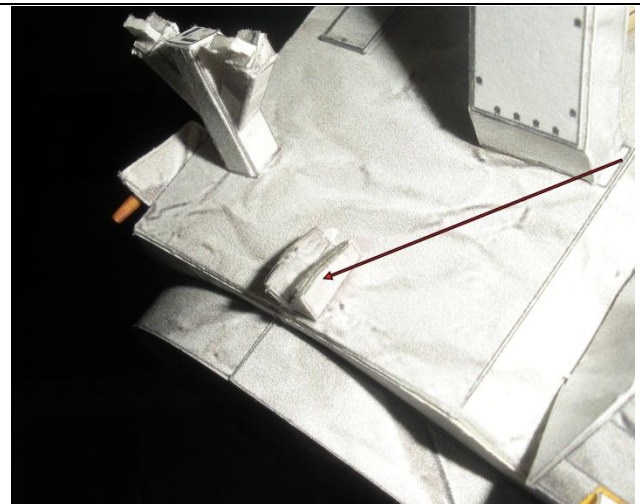
Prepare 4 acrylic rods or similar material according to the instructions on page 3 on the parts file. Glue one end to a small brown square and the other end onto the bracket above it as shown.



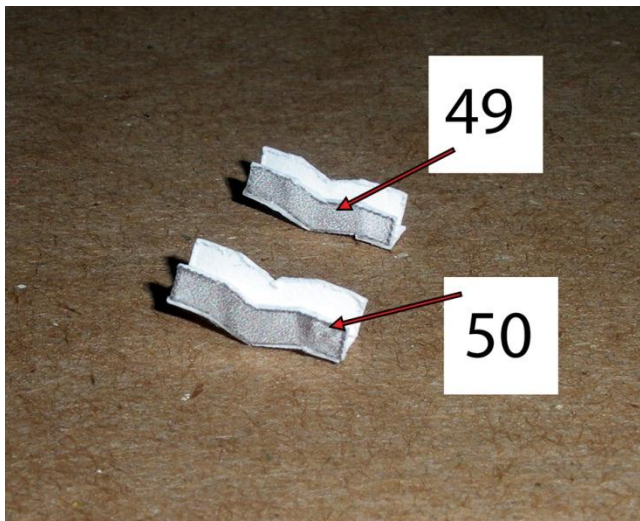
Other side of the body.



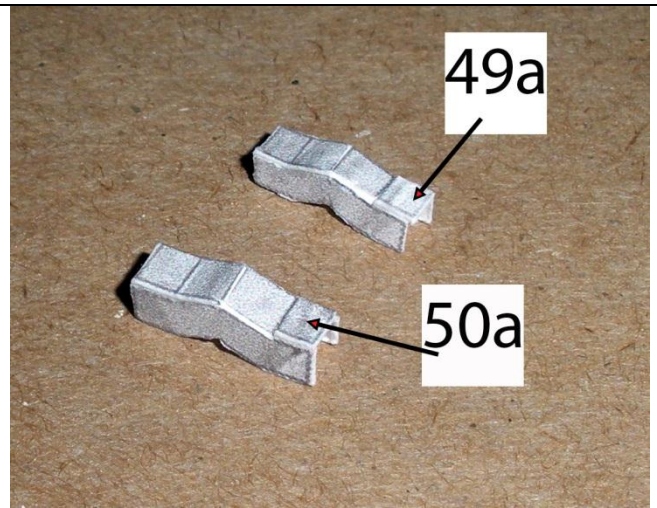
Fold 47 with color inside, fold 48 with color outside. Glue as shown for strength. Prepare two rods according to instructions on page 4 on the parts file.



Glue 47, 48 onto the labeled area on the body near the bottom as shown.



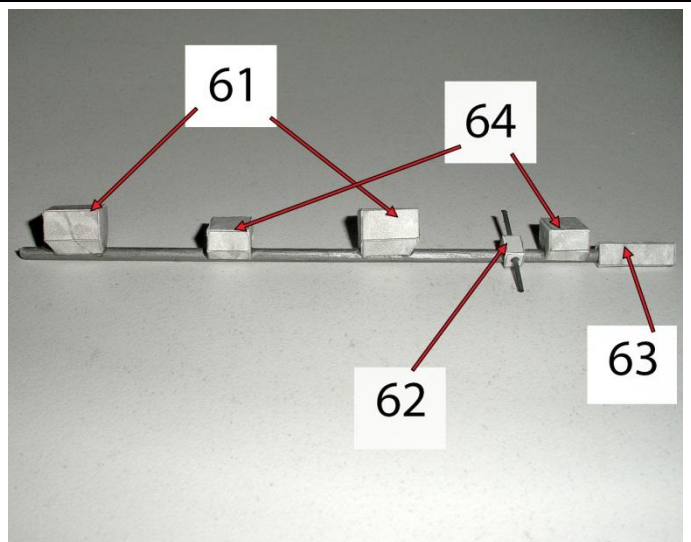
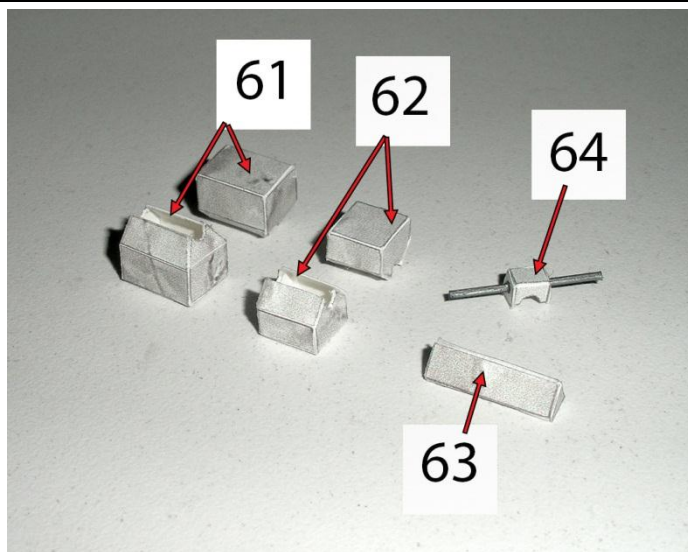
Prepare 49, 50 the same way as 47, 48.



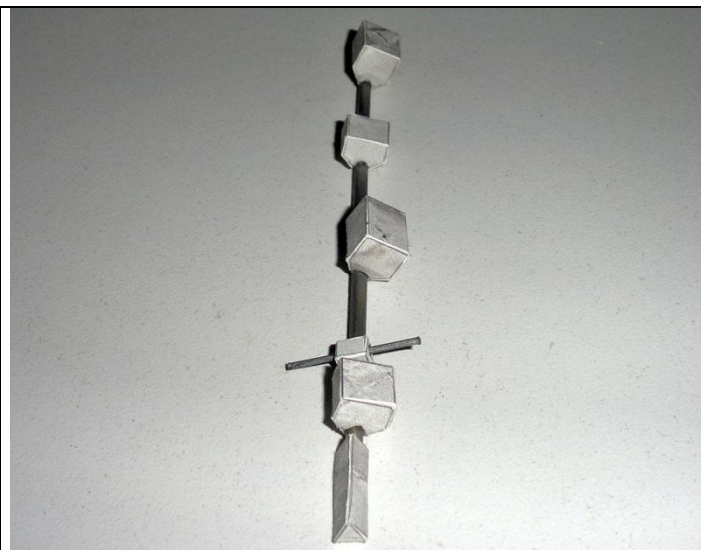
Glue 49 inside 50 for strength.



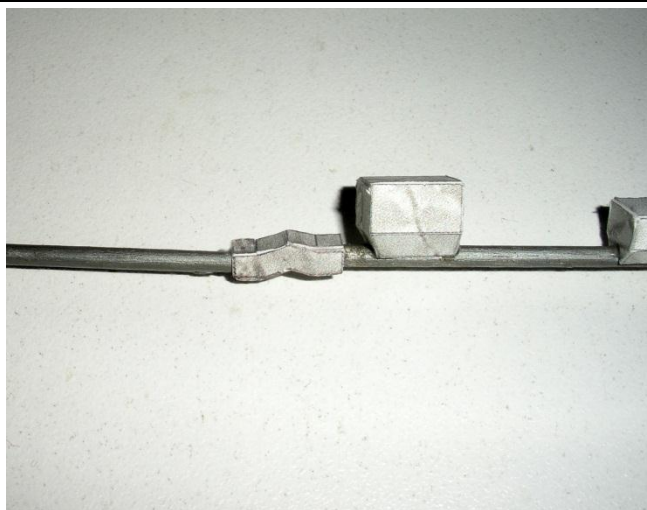
Glue onto end of one of the rods as shown.



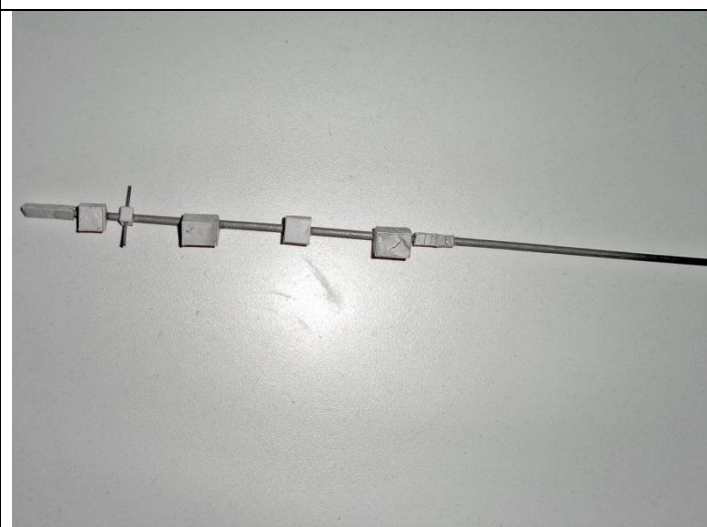
Use the guide on page 4 on the parts file to glue these parts onto the other rod without 49, 50.



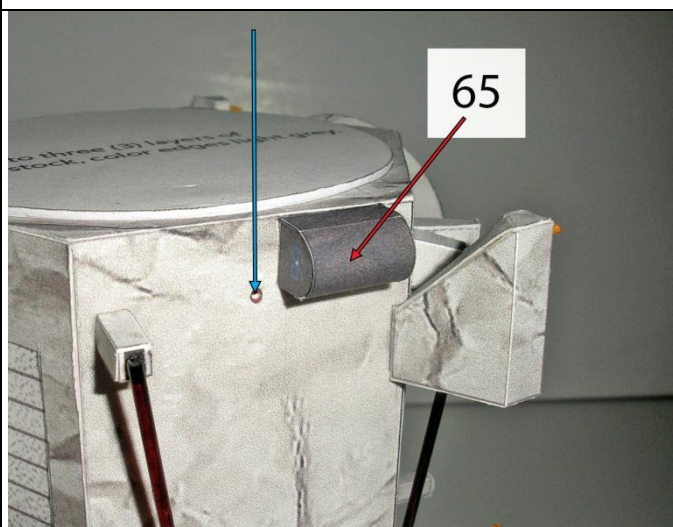
Note the locations and angles.



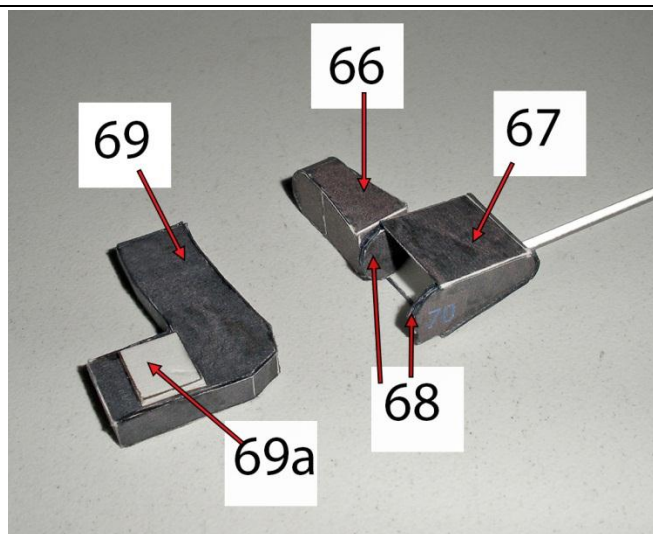
Glue to the other rod with the hinge (parts 49, 50) as shown.



This is the magnetometer arm. Set this to the side for now.



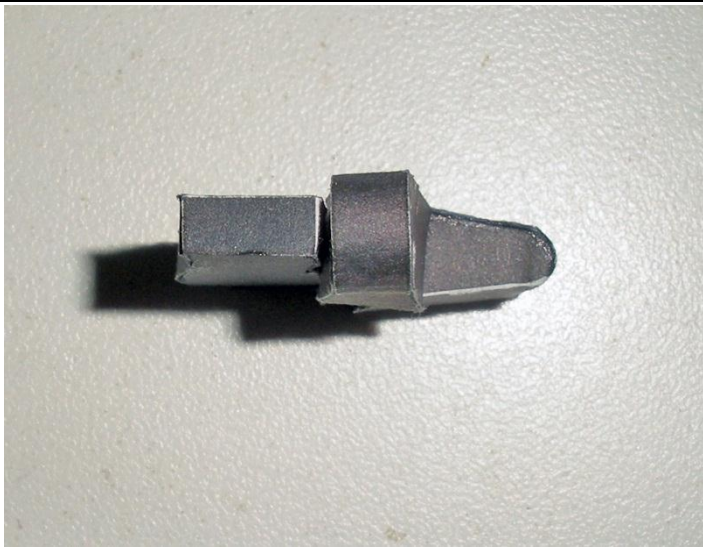
Make two and glue in place onto the labeled areas near the top as shown.



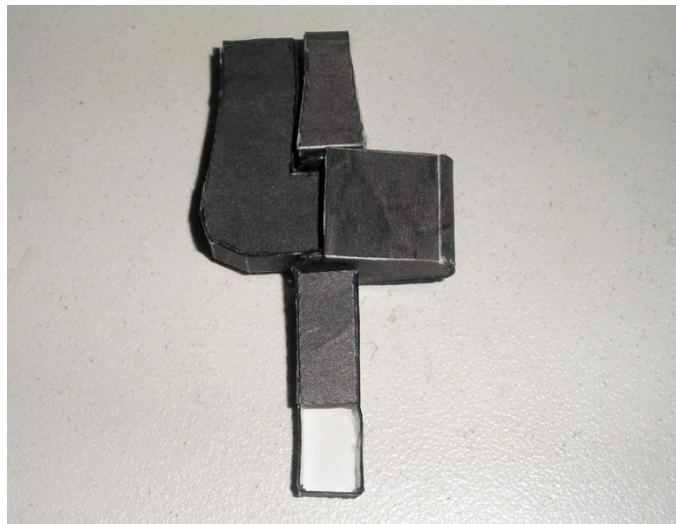
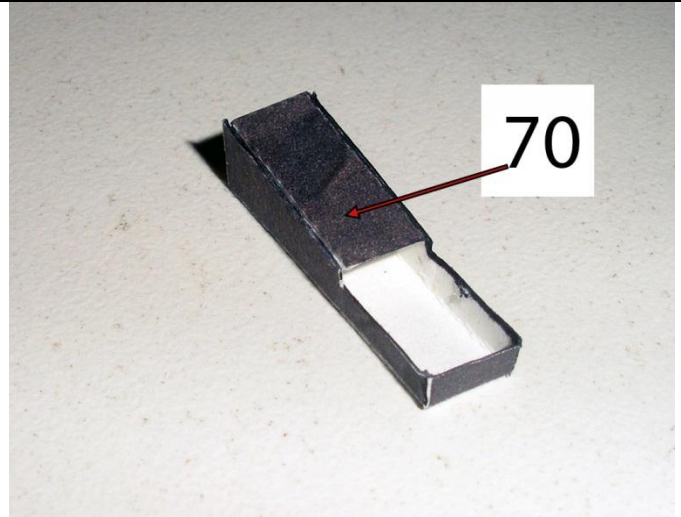
Glue 68 inside to circular areas in 67 as shown.



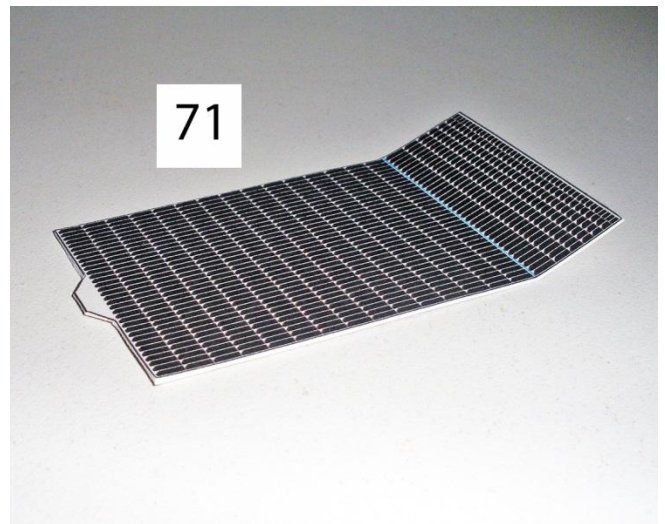
Slide 69 inside 67 and glue in place.



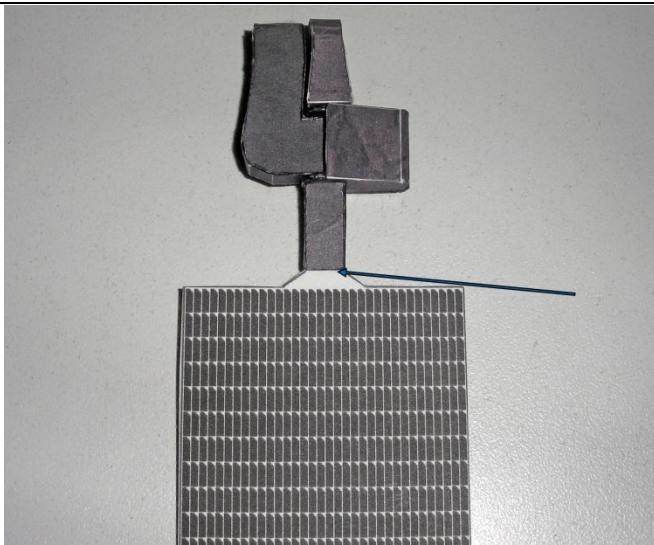
Top view

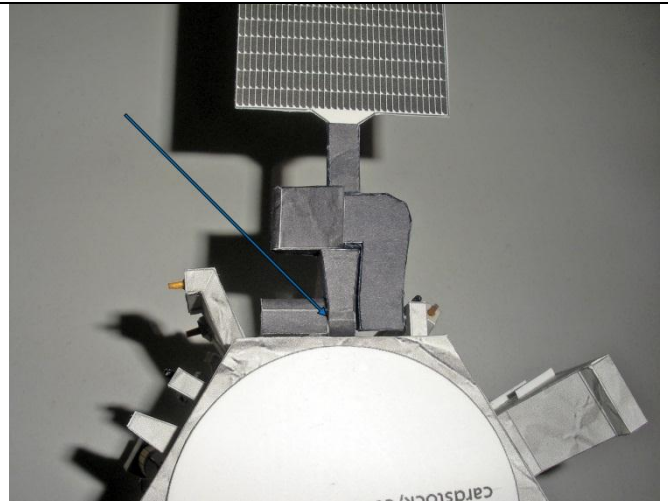
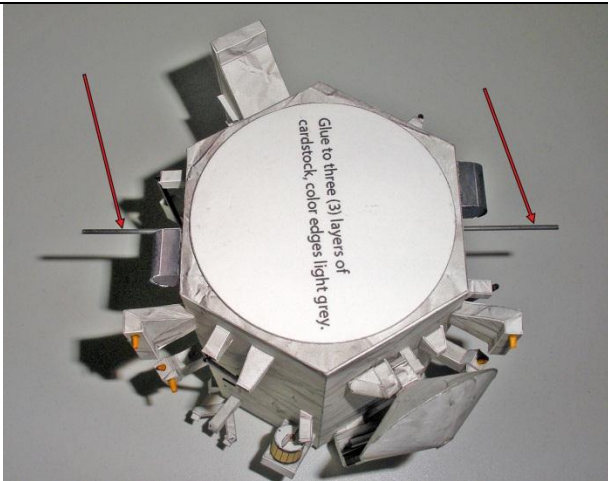


Should look like this, make two of these.



Fold-glue the solar panels back-to-back, fold the lower area up just a little at the blue line as shown, Make two of these



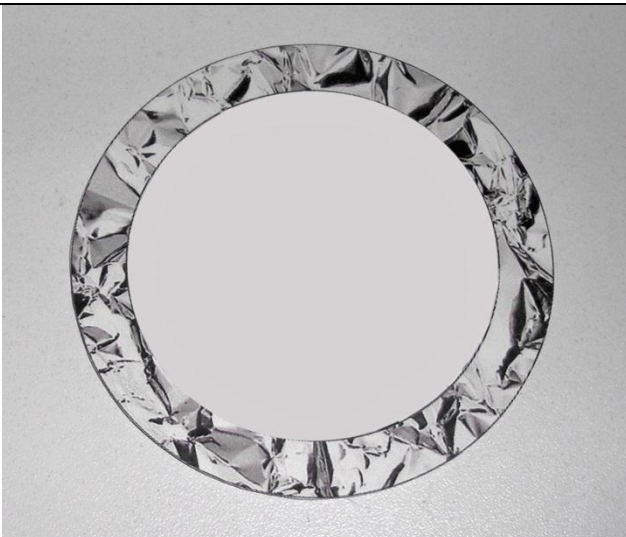


Cut thin music wire or similar material according to instructions on page 5 on the parts file, slide through the two holes you drilled in the two small red dots earlier All this does is the support the solar panels.

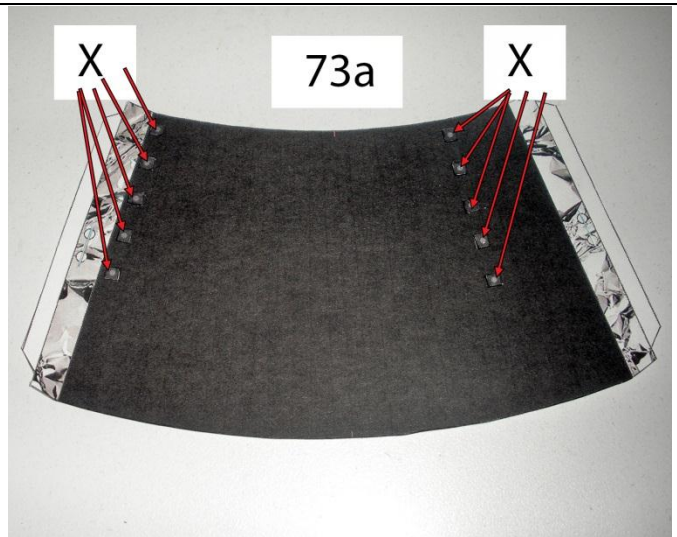
Glue to solar panels on parts 65 as shown while resting on the support rod.



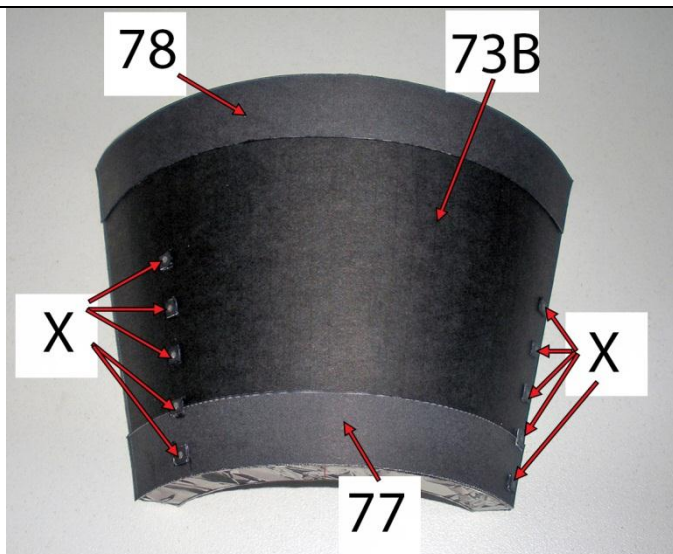
Part 72



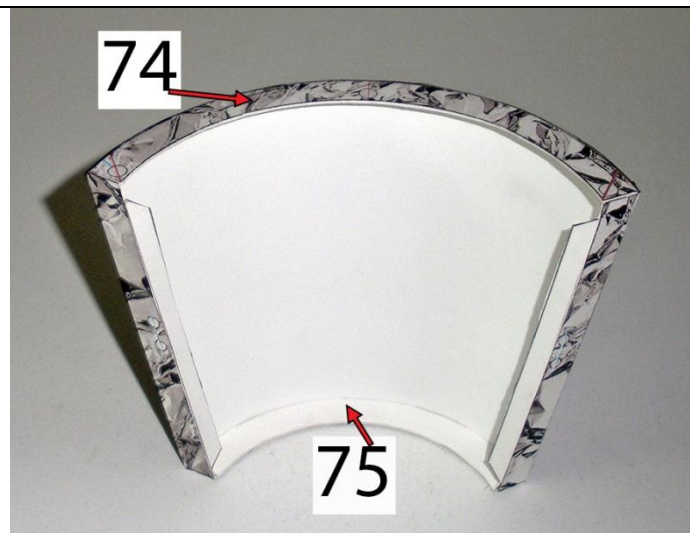
Glue 72a to the back side of 72. The large hole you cut out on 72a should help to align the top perfectly with the body.



Part 73A ONLY- Glue X onto the small grey squares as shown. If you plan to use parts on page 8 on the parts file, cut an opening on the blue line on the right side of 73A.



Part 73B ONLY-Glue 77 and 78 as shown, glue part X as shown. If you plan to use parts on page 8 on the parts file, cut an opening on the blue line on the right side of 73A.



Glue Part 73A, 73B around the outer edges on 74 and 75 as shown.



To help prevent the radiators from warping...

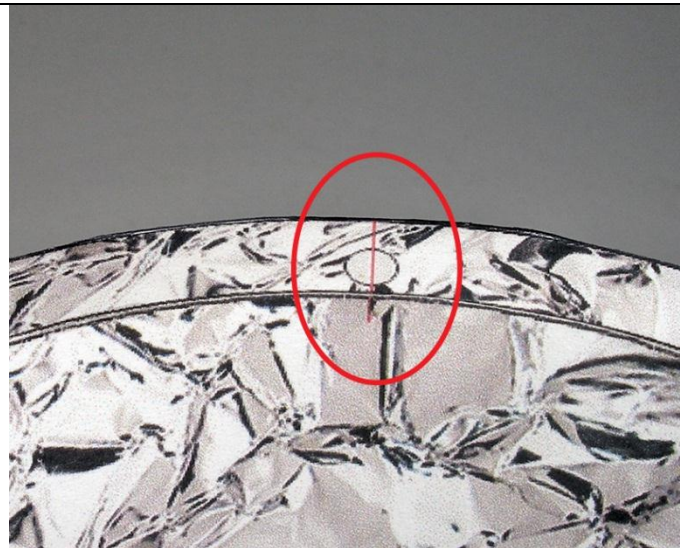
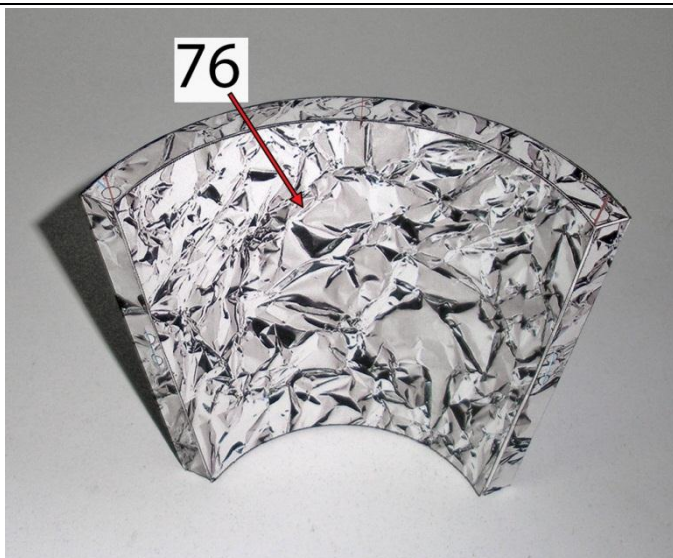
Start glueing at the center of part 75 at the center bottom of 73A, 73B while matching the red lines. Then glue out from the red line area to one end, then glue out to the other end.

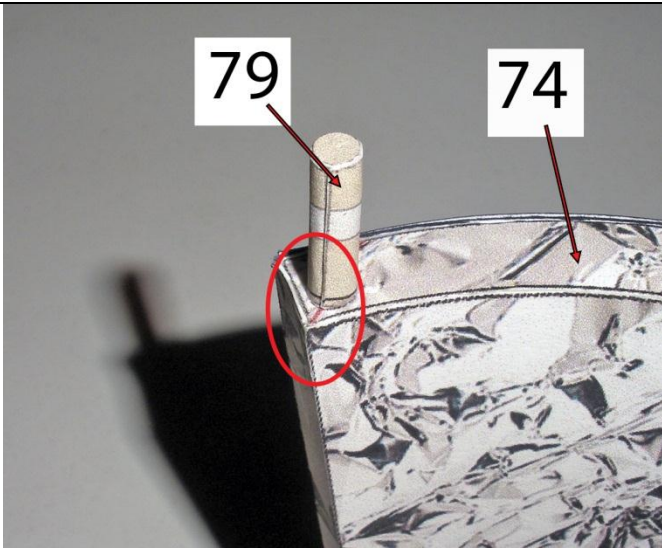
Use the same method when glueing part 74 to the top.

Remember to glue Part 73A, 73B around the outer edges on 74 and 75.

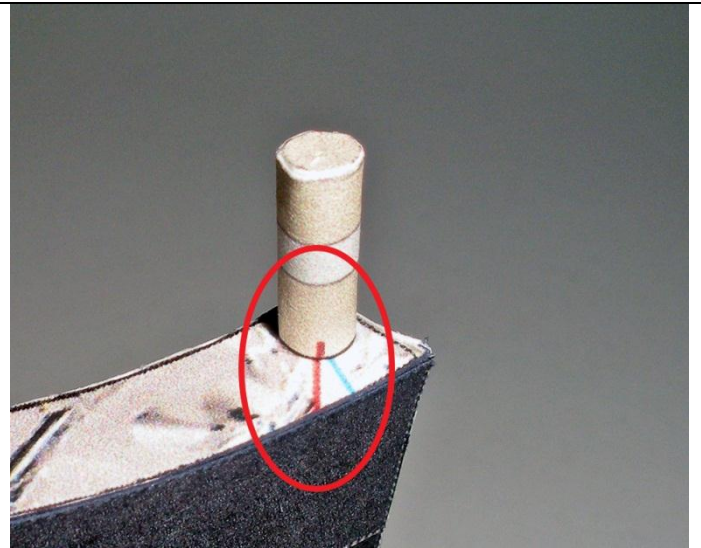
Use the same method for glueing 76 as shown on the next photo below.

I use super glue for instant hold.





Glue to the top over the six circles. Match seem to the red line. This is very important.



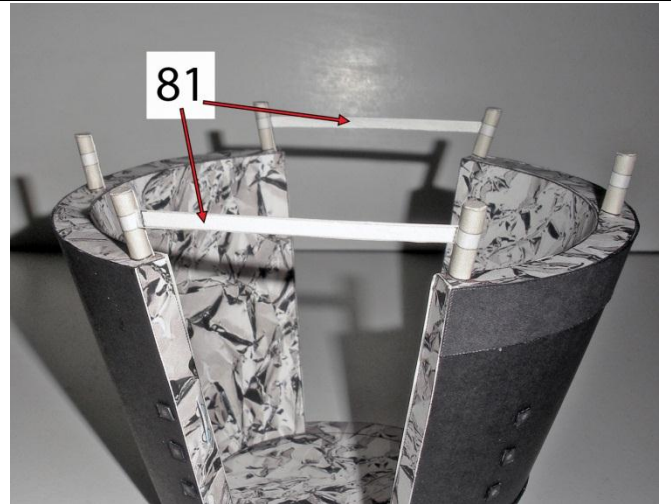
Match line on the other side to the red line, This is very important. The six poles should angle outwards.



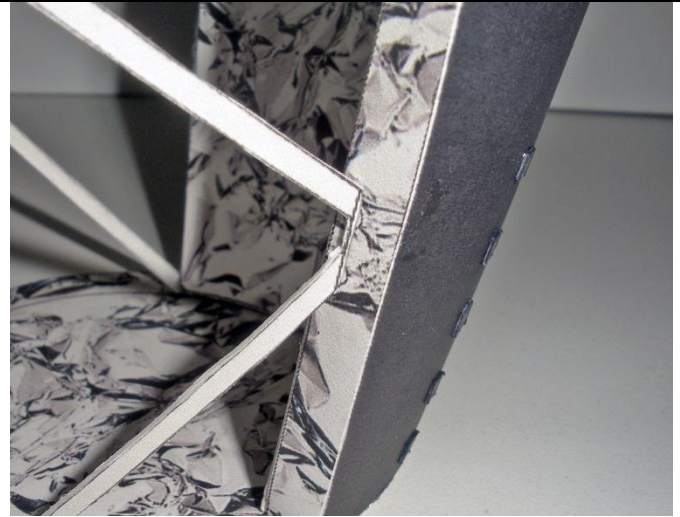
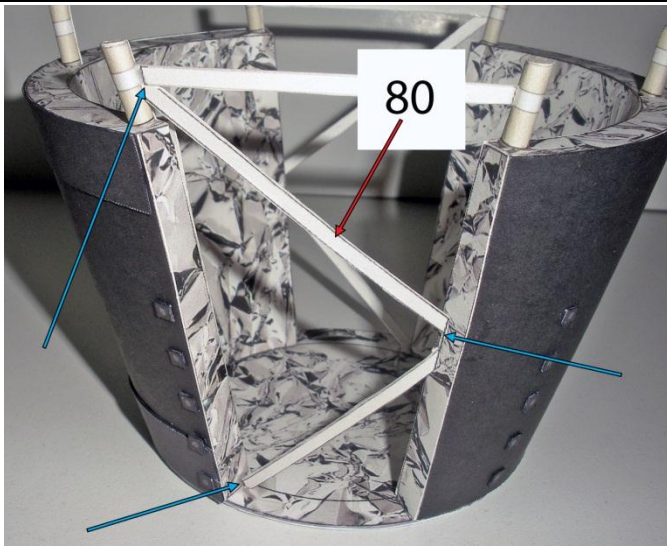
Do this to all six poles.



Glue each radiator onto the grey area on 72, match the red lines, this is very important.



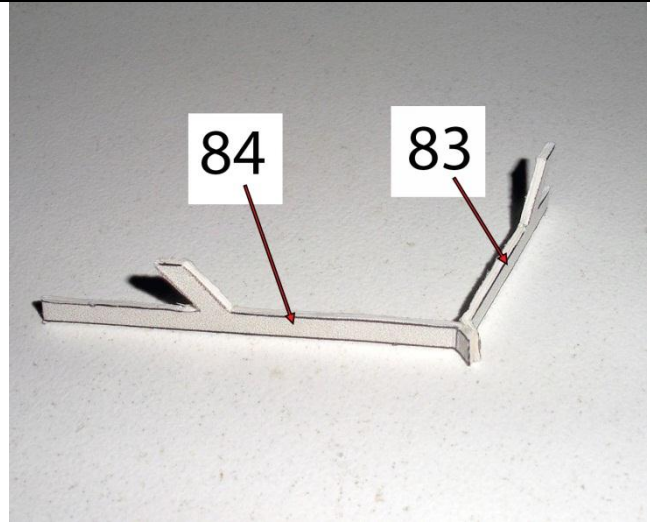
The following parts may need trimming for proper fit. Glue on the grey sections on the poles. For realistic look, can use long tooth pics or paper lollipop sticks colored light grey or silver.



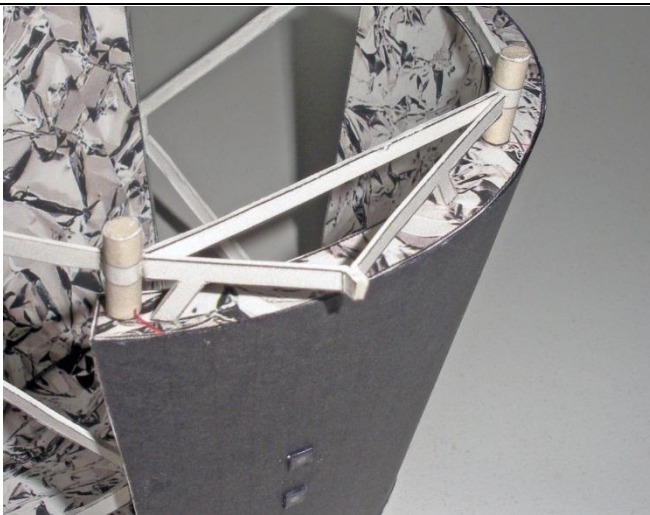
Tab on 80 is inserted into the opening on 73A and 73B. If using tooth pics or lollipop sticks, glue one end on the circles on the side of 73A and 73B.



Parts 82.

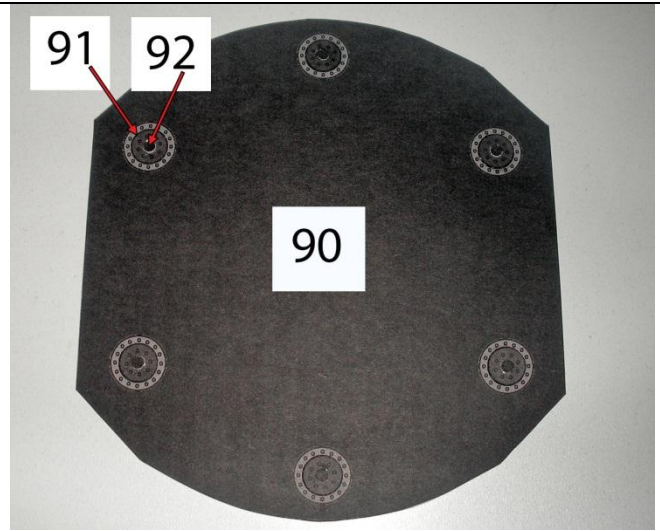
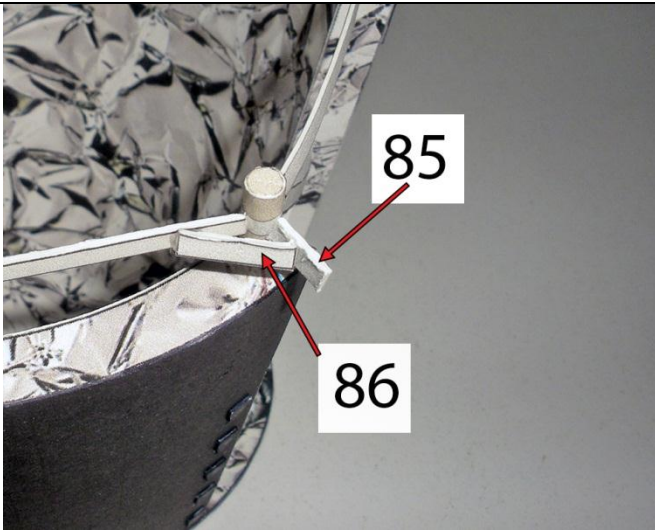


Score-fold the small tabs, only glue the tabs together.

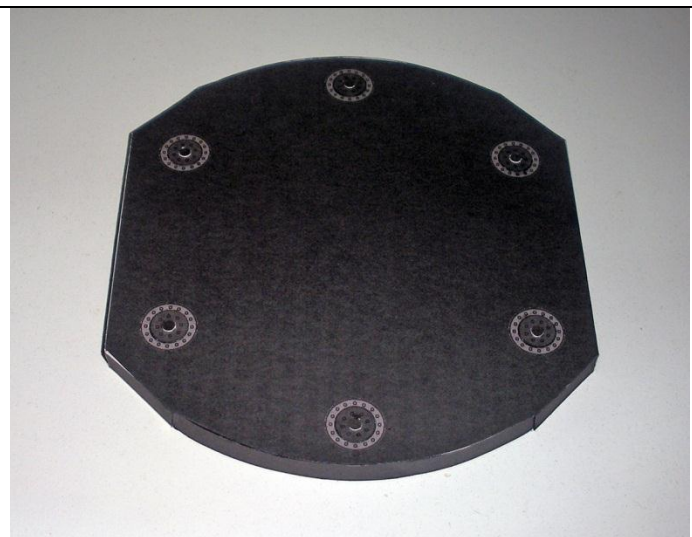
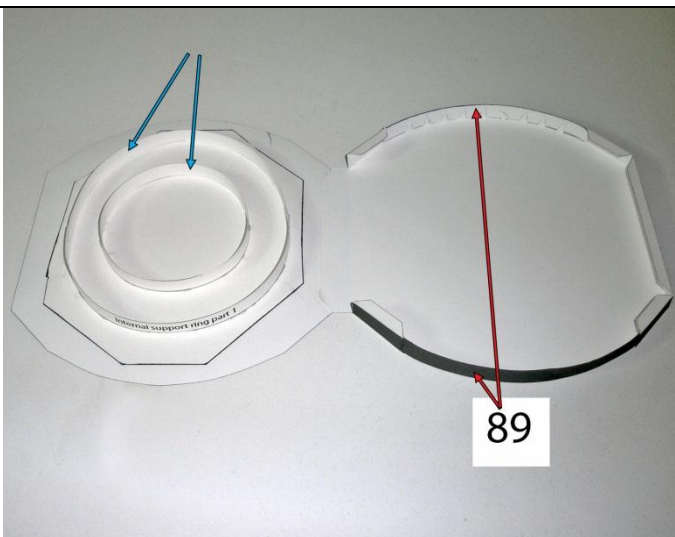
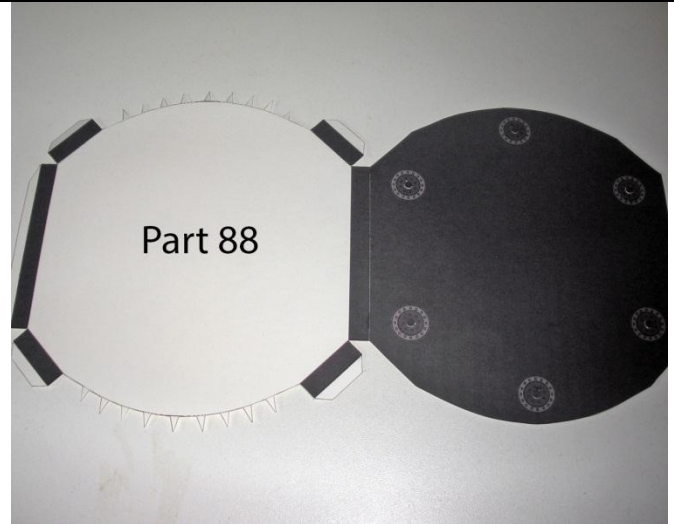
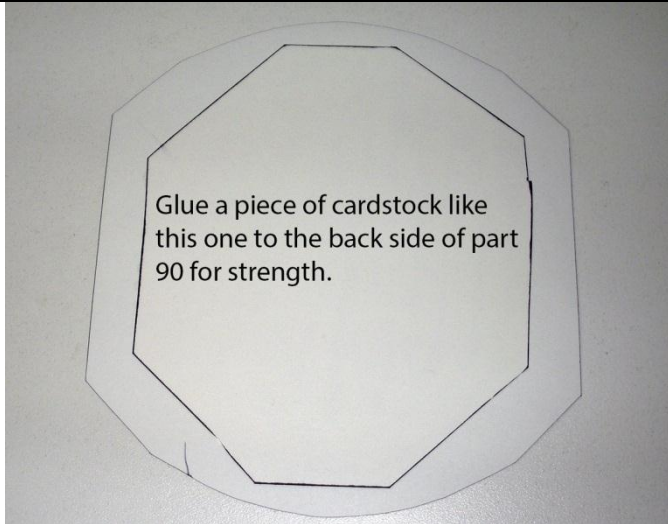


Do the same on the other radiator. See the guide on page 8 on the parts file.



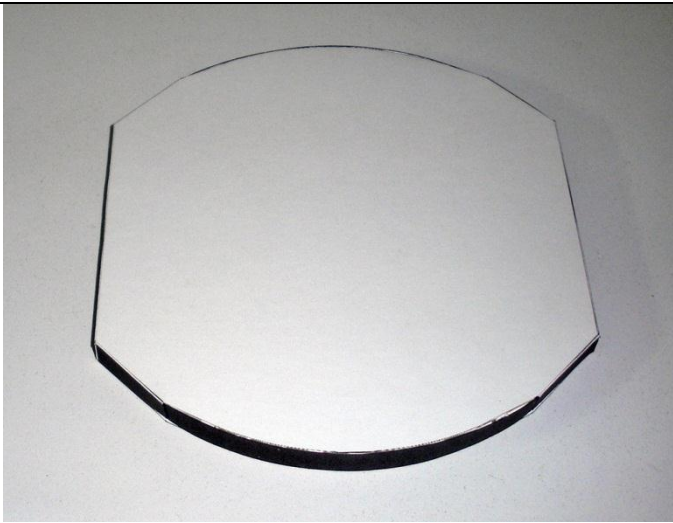


Very important, align 85 with the blue line. Do the same on the other radiator. See the guide on page 8 on the parts file.

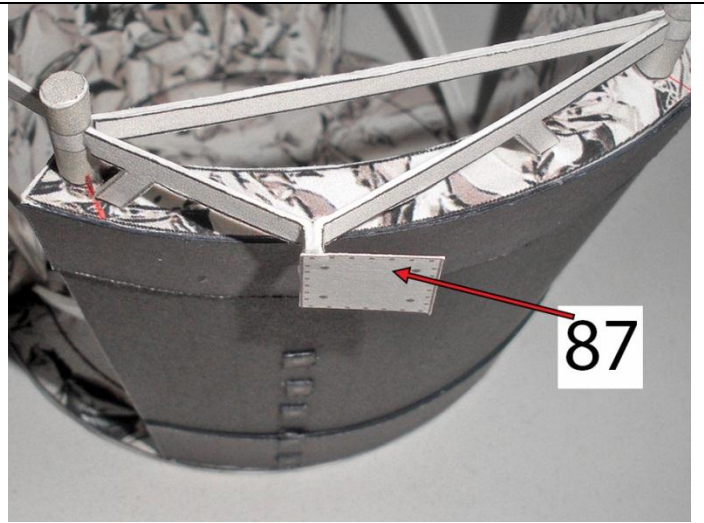


Glue the internal supports as shown.

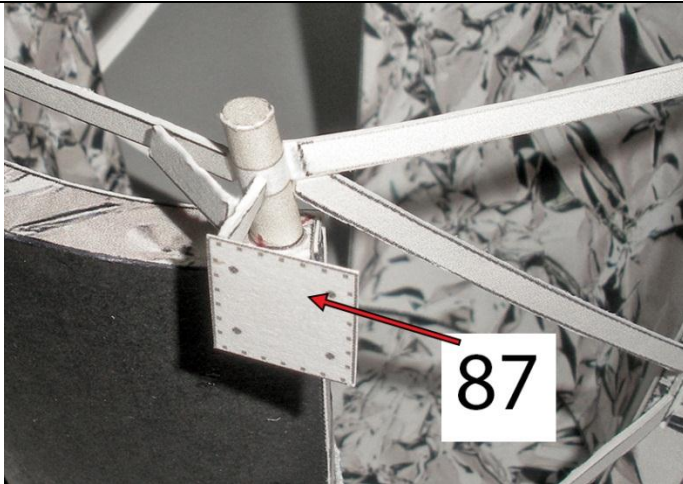
under side



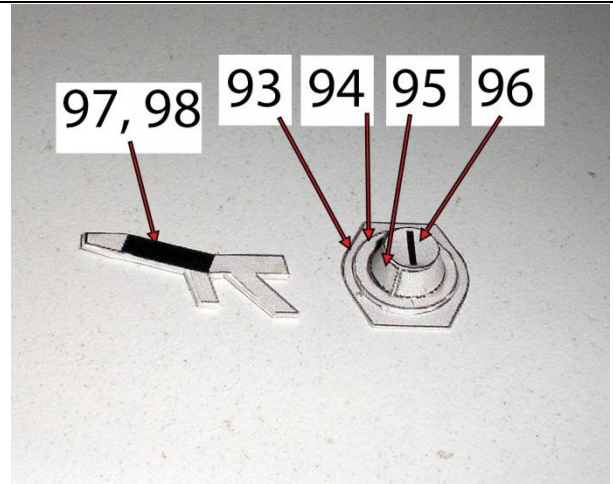
Top side



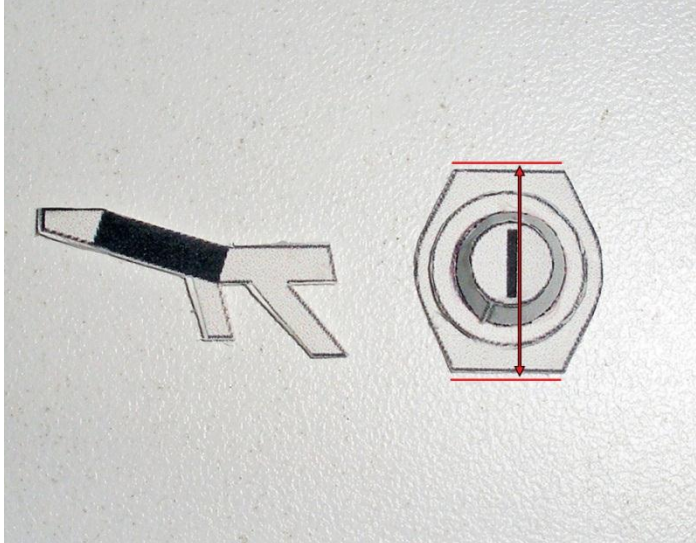
Glue 87 on the tab on 83, 84 as shown. These should have a downwards tilt. Do the same on the other radiator.



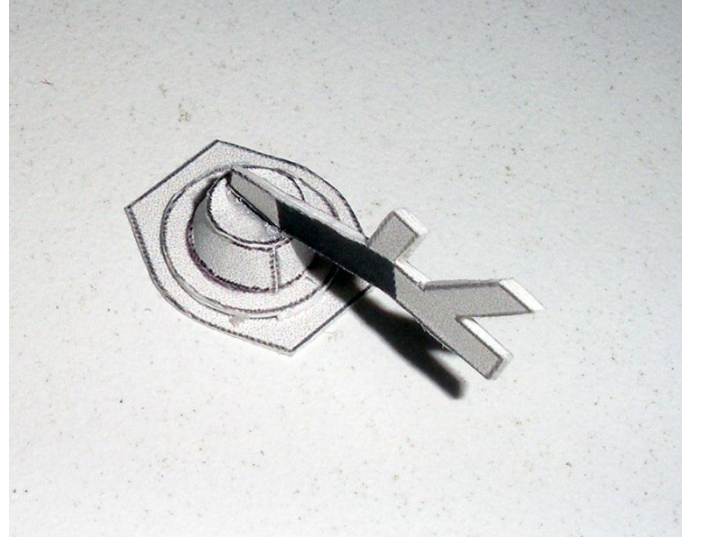
Glue 87 on the on 85 as shown. Do the same on the other radiator.



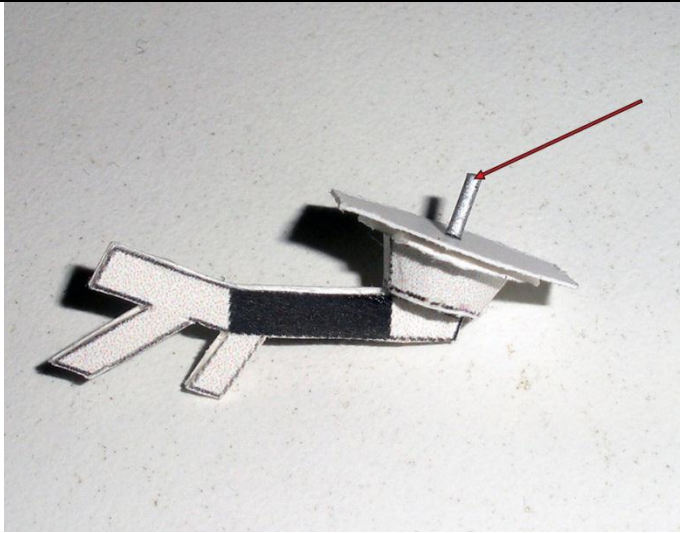
Glue 97 to cardstock, then glue back-to-back with 98. The corrected version of 97, 98 should alittle different.



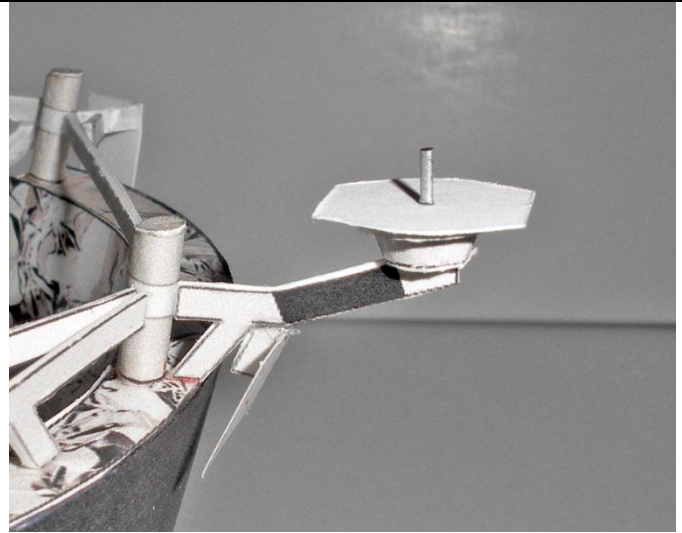
position the black line with the straight edges as shown.



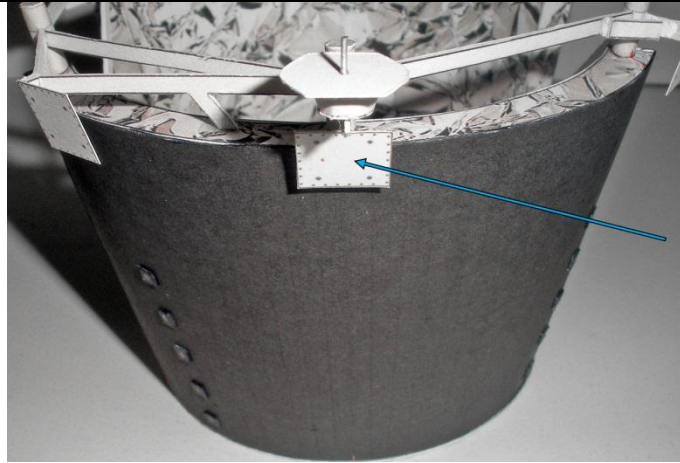
Glue 97, 98 on the black line.



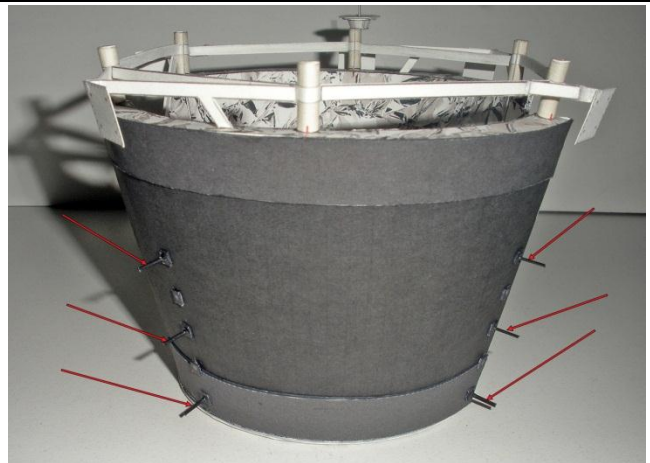
Cut a piece plastic broom straw according to instructions on page 10 on the parts file, colored light grey or silver.



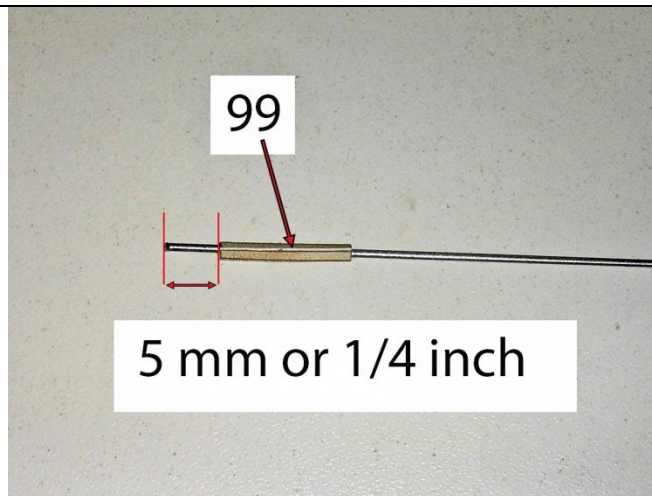
Important, glue onto the middle pole on the radiator without the two black strips (77, 78), see next photo.



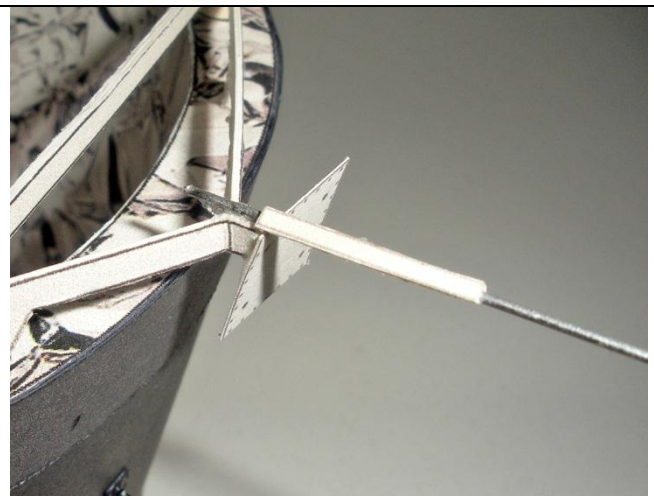
Glue 87 as shown.



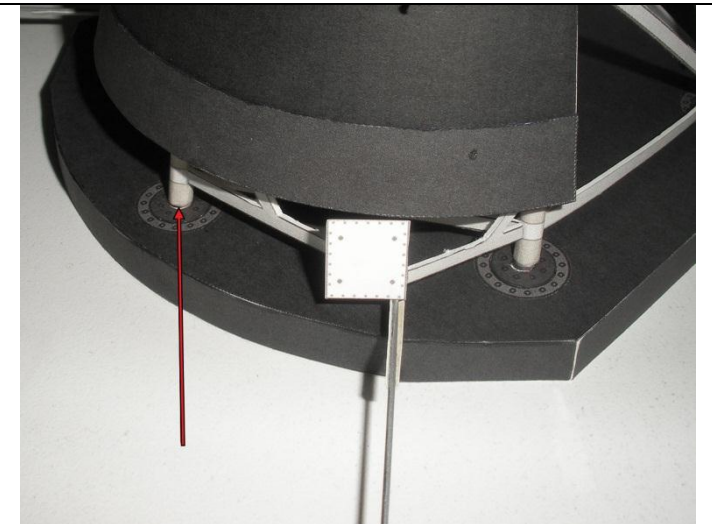
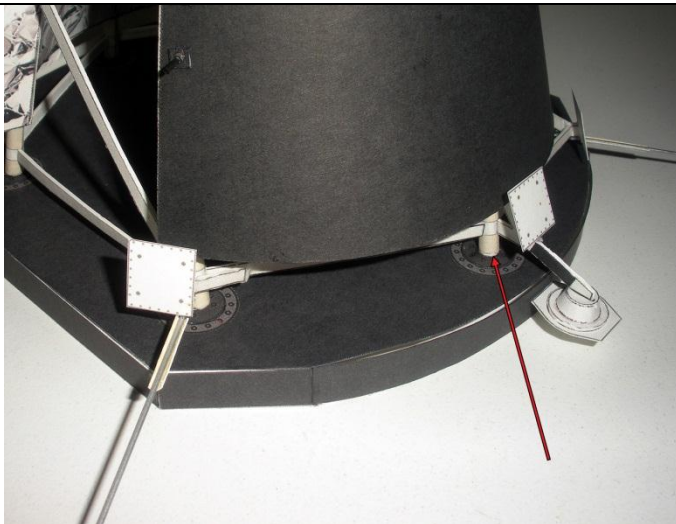
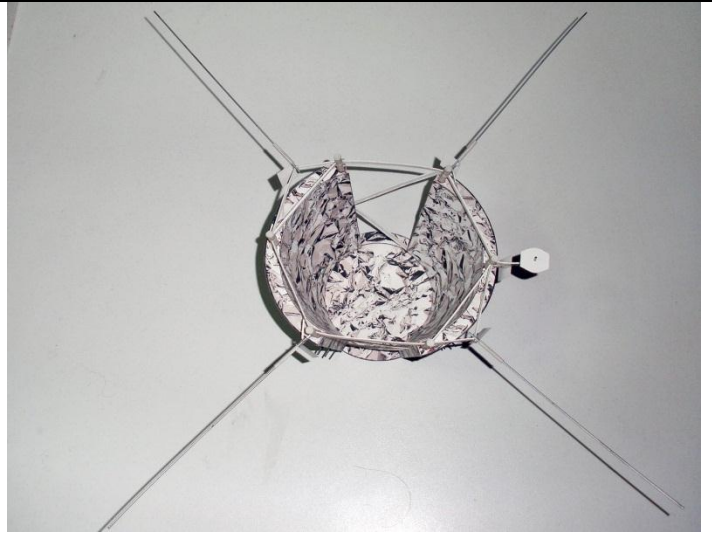
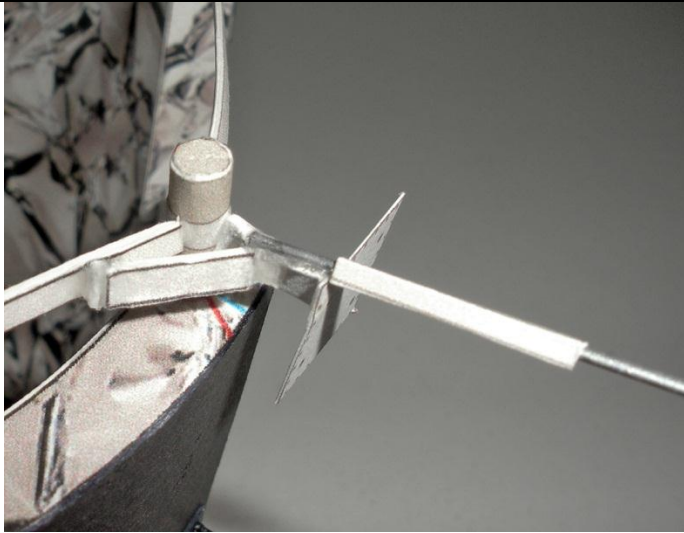
Prepare 12 plastic broom straws according to instructions on page 6, 7 on the parts file. Glue 3 on each side on a square as shown on each radiator.



Prepare the 4 antennas using plastic broom straws according to instructions on page 10 on the parts file. Fold 99 to a "V" shape. Insert the antenna onto 99 and glue around 5 mm from one end as shown.



Glue each antenna over part 87 on each of the four corners as shown. I used super glue for instant hold and strength.

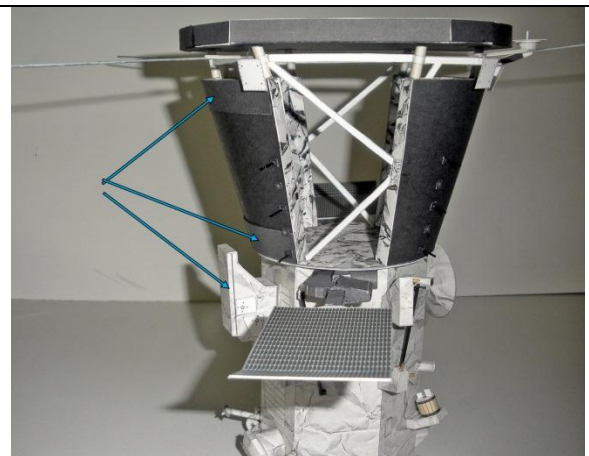


Glue the top onto the radiators. Start at the two far ends (red arrows). The poles should align with the center of the pads on each end. Hopefully, the other 4 side poles will align with the other pads. May not be perfect, but close.

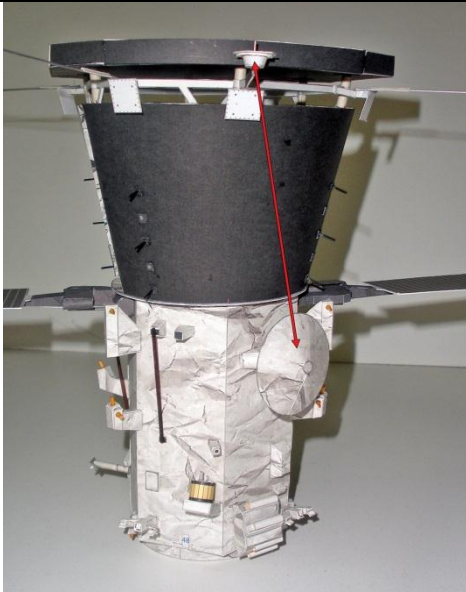
This is why I stressed the importance of glueing the poles onto the radiators and glueing the radiators onto the base (part 72) using the lines or markers.



Ready to glue onto the body.



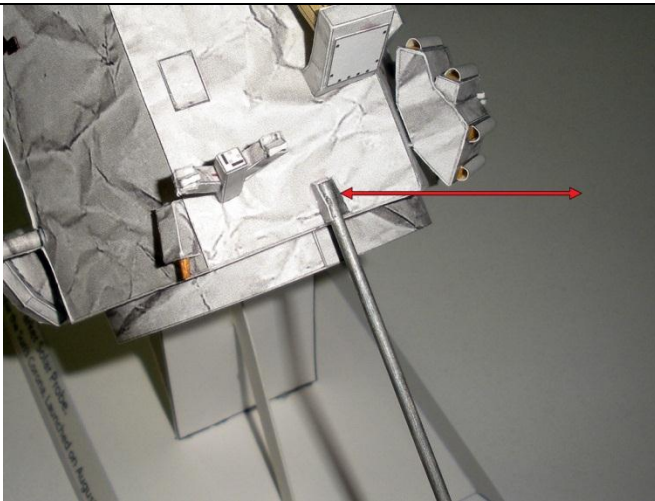
The opening between the radiators should align with the solar panels. The ring (72a) that you glued to backside of 72 should snap into 1a that you glued onto the top of the body and will align the top perfectly.



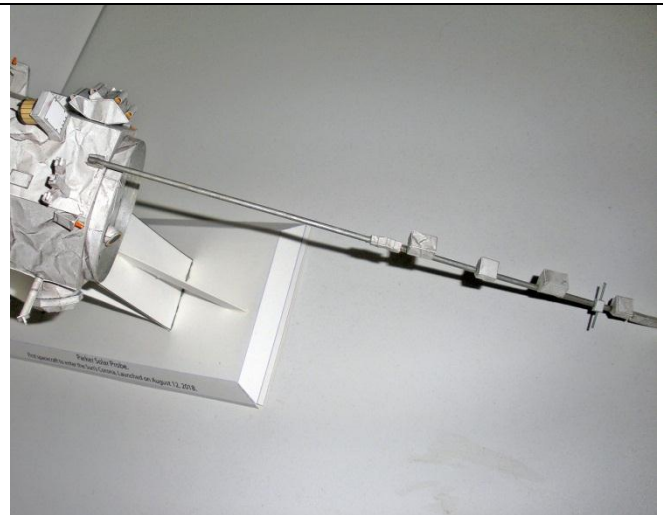
The radiator the the two strips (77, 78) should be over the telescope – indicated by the blue arrows on the photo above.

Photo on the right – the small antenna should be near the side with the high gain antenna (red arrow).

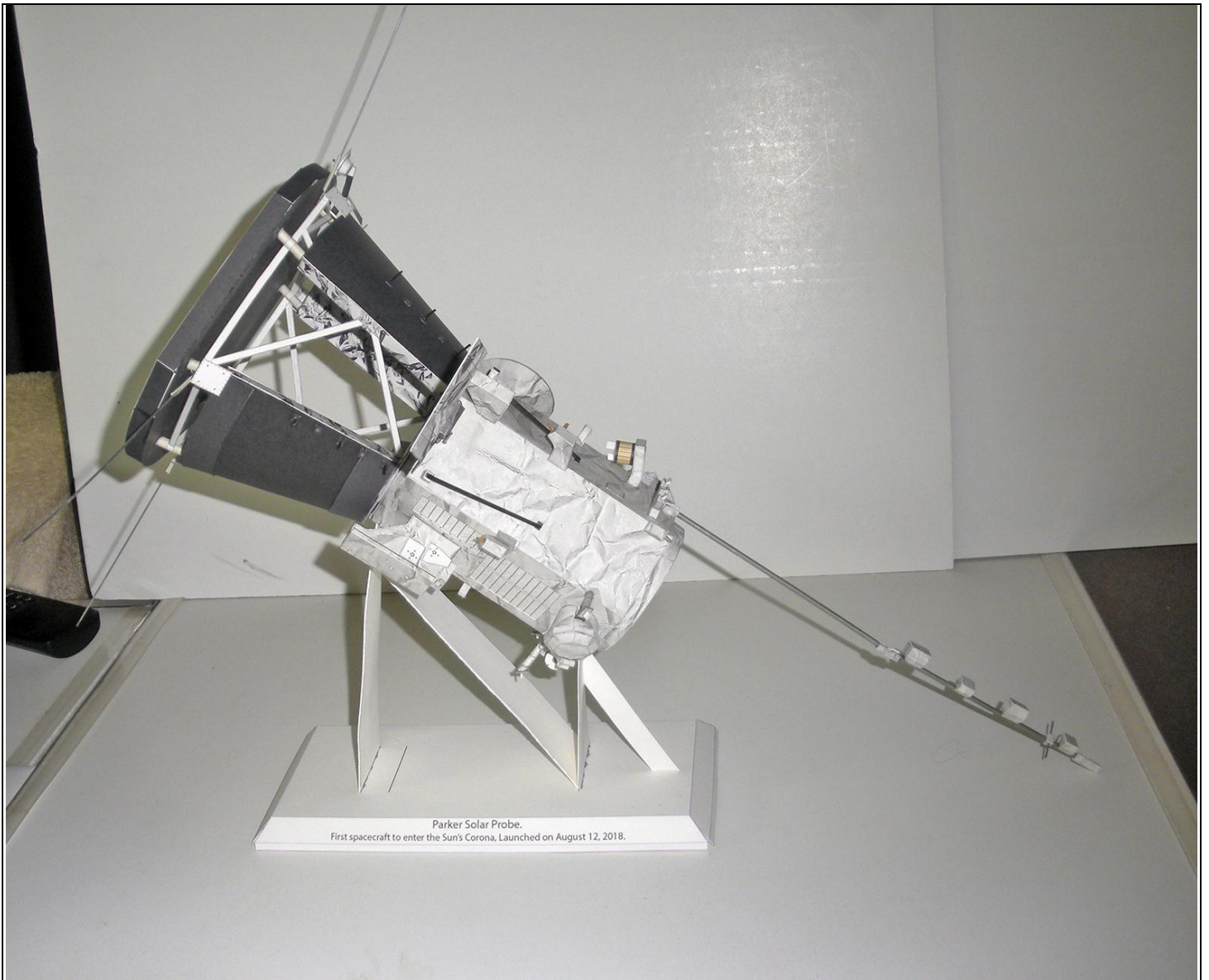
I have added a display stand for your model for displaying your model with the magnetometer.



Glue the magnetometer boom arm onto the hinge



The instruments on the arm should face up as shown.



Parker Solar Probe.
First spacecraft to enter the Sun's Corona, Launched on August 12, 2018.

Your model is done.