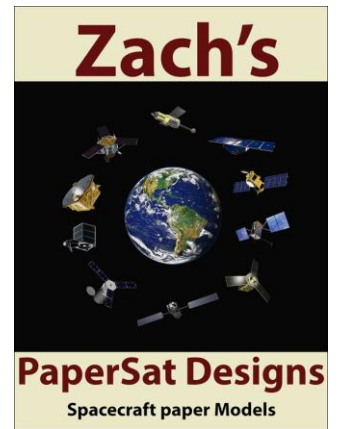
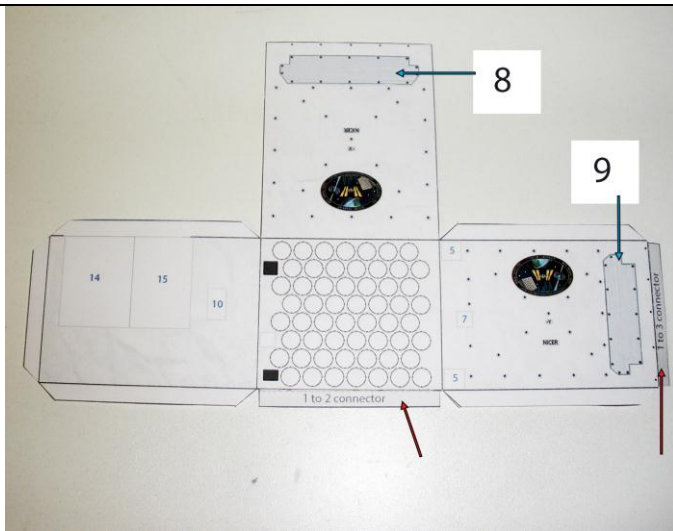


Neutron Star Interior Composition Explorer (NICER)
1/20 Scale Paper Model Instructions





Glue **8** and **9** into place as shown, fold the two connectors before gluing parts 2 and 3 on them – shown by the red arrows.

NOTE;

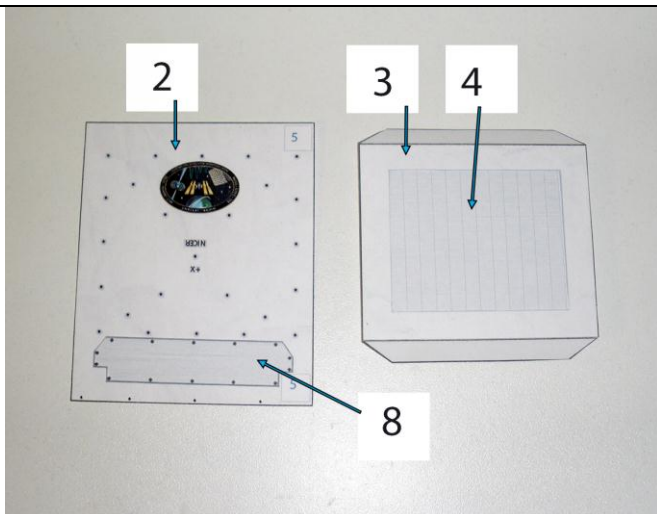
Not shown here, but cut out the blue rectangle, fold **1A** into a box with the color **INSIDE**.

Glue **1A** to the back side of the body on the cut out.

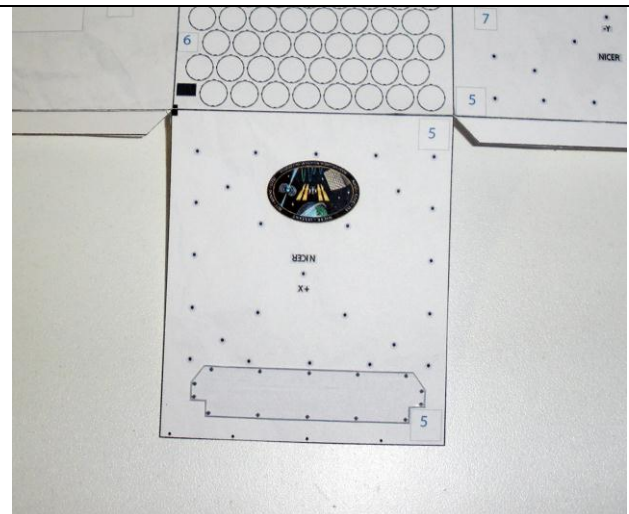
NOTE;

Glue cardstock to the back side where parts 14 and 15 will be glued later.

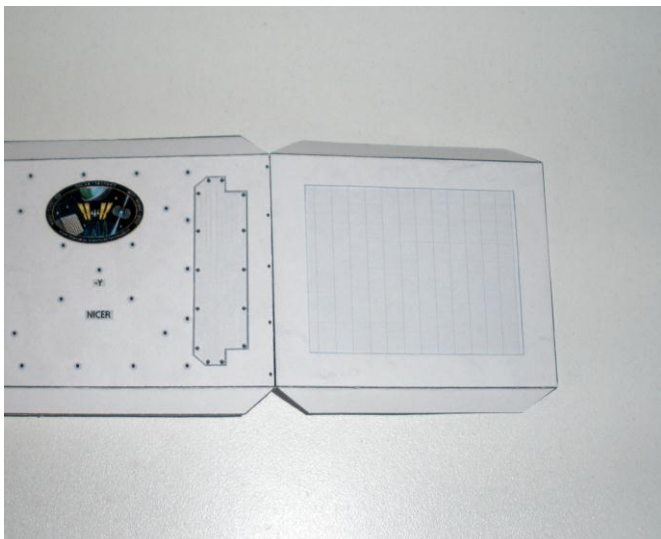
Glue cardstock to the back side where the 56 telescopes will be installed later. This will add strength and keep these sides flat.



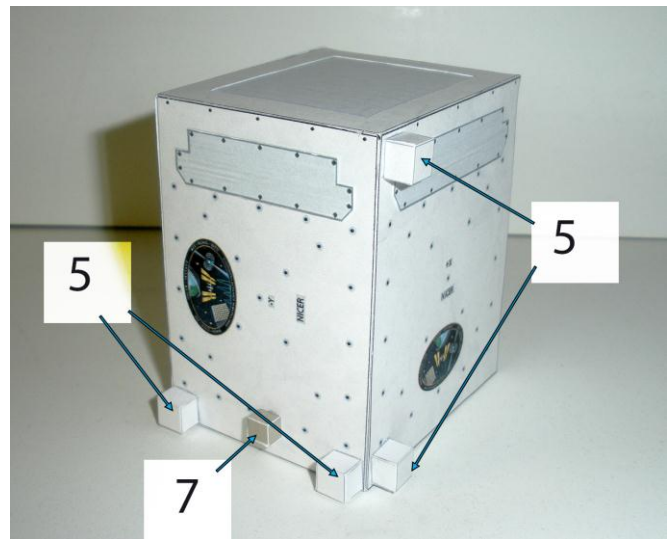
Cut out the blue area from **3**, glue **4** to the back side



Glue to the 1 to 2 connector while it's folded as shown. This leaves less gaps.

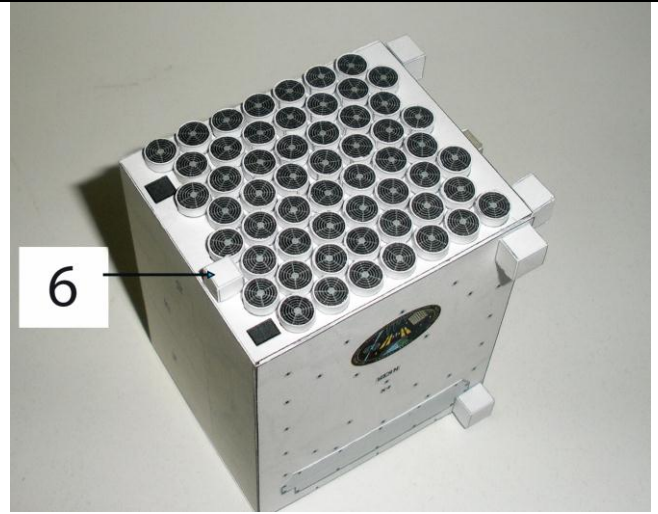


Glue to the 1 to 3 connector while it's folded, this leaves less gaps. Fold the body into a box.

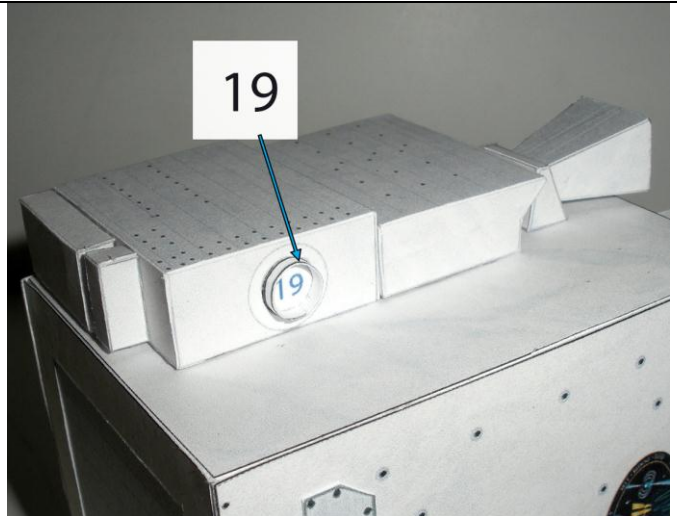
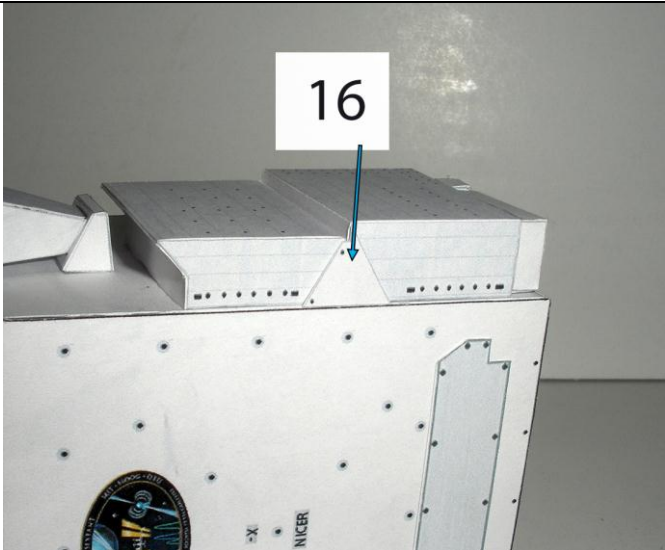
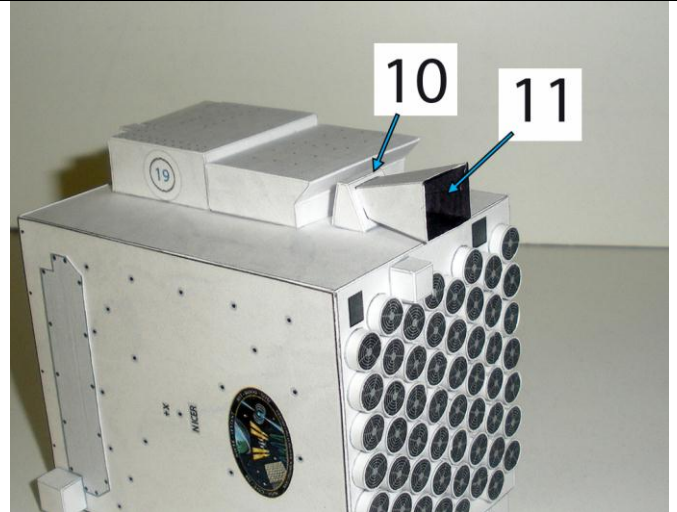
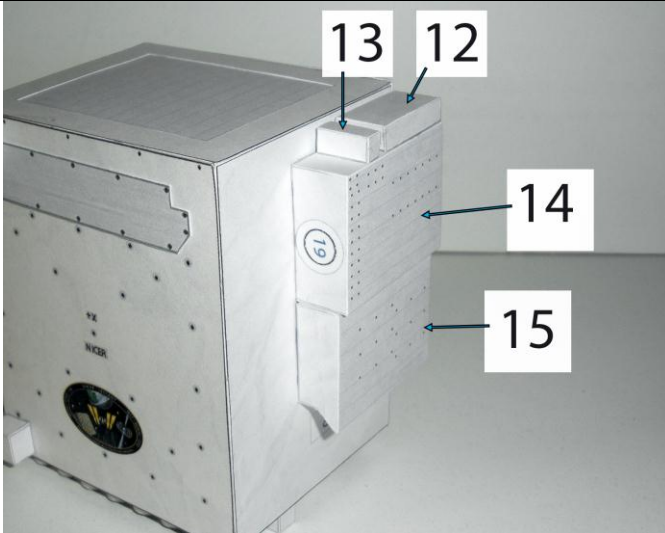


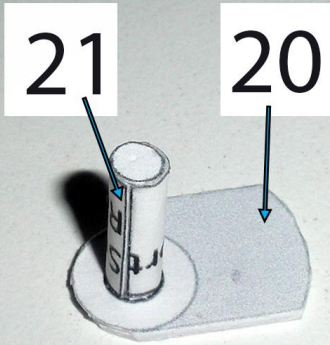


Glue 17 into a ring, 18 fits inside the ring and glue in place. See above. Make 56 of these.

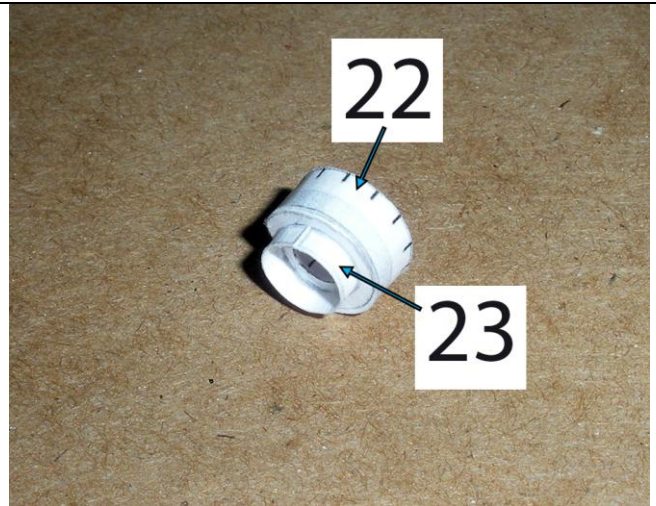


Glue these into place.

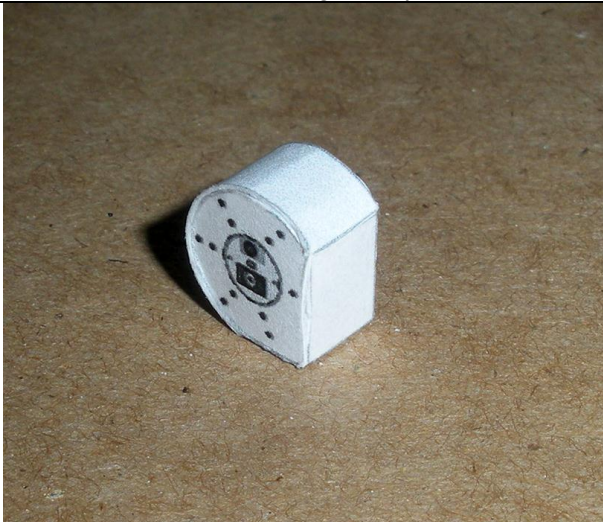




Glue **20** to four (4) layers of cardstock
 Since **21** will hold the weight of the model, roll some
 cardstock to fit inside 21, then glue to part **20**.



Cut out the blue circles from **22**. Glue **23** to the circle on 22
 as show.



Part **24**, cut out the blue circle.

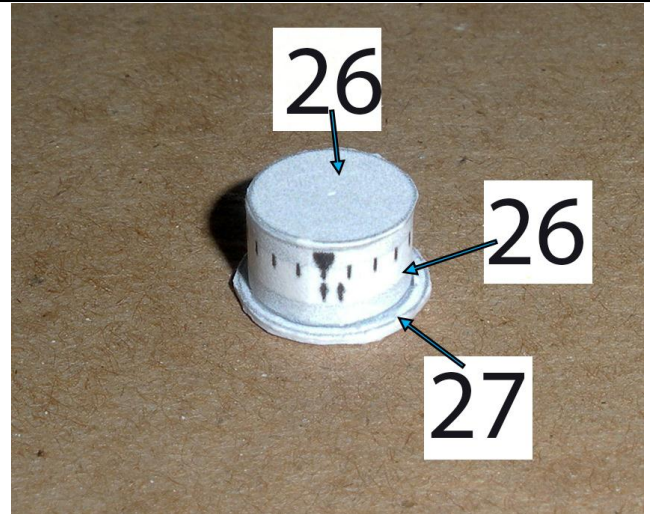
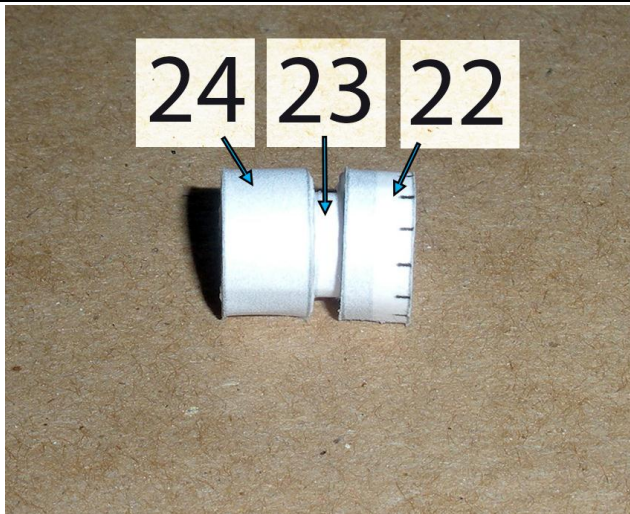


Place 22 and 24 on their flat sides as shown.
 Glue the open side with the circle (part 24) to the other side
 of part 23 as shown.



Flat sides

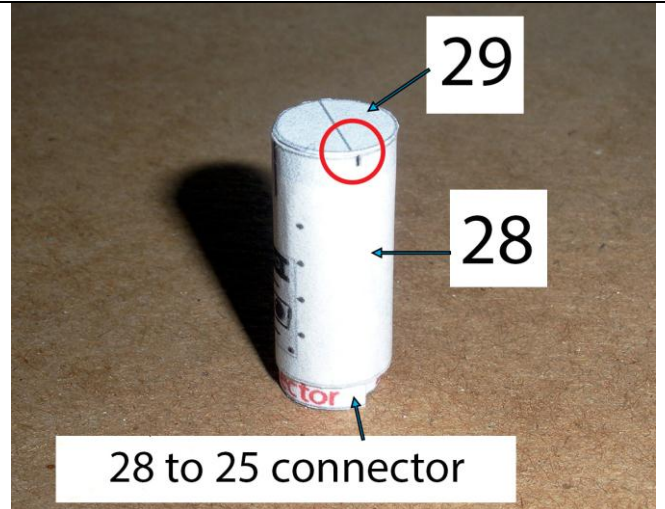




Glue **27** to two (2) layers of cardstock
26 (disc) is glued to the side with the large arrow as shown.
Glue other end of **26** to the circle on **27**.



Keep all seems aligned. Glue **25** to back side of **27**.



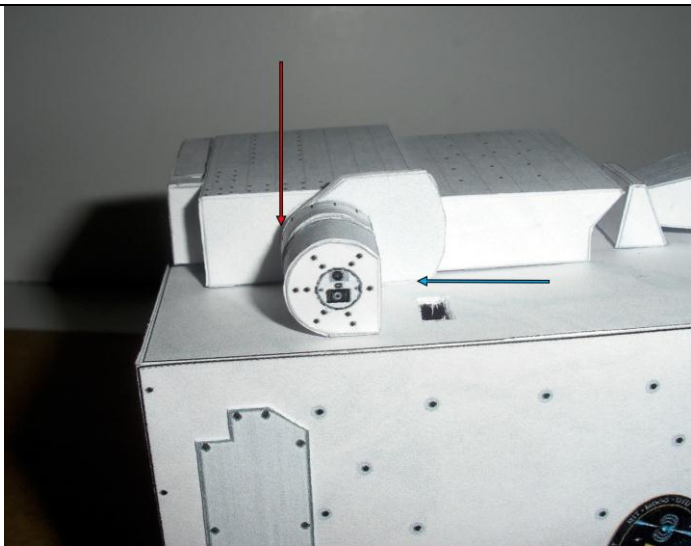
May want to roll some cardstock inside **28** for strength.
Make sure the line on **29** is aligned with the two markers on **28** as shown.



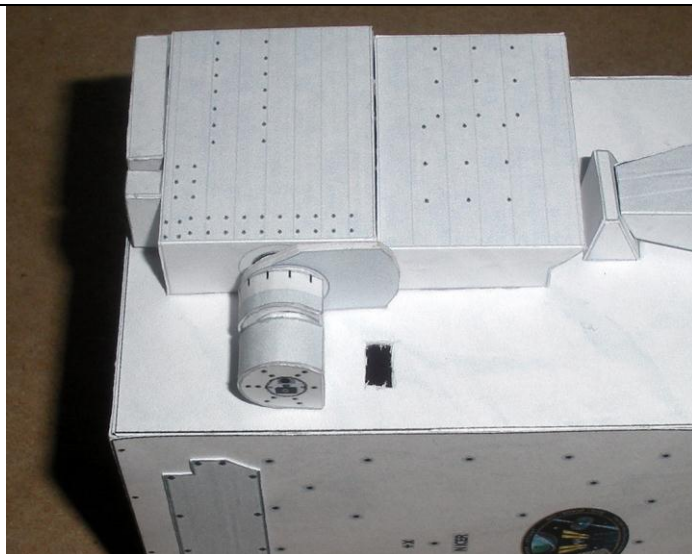
Keep all seems aligned, should look like this.



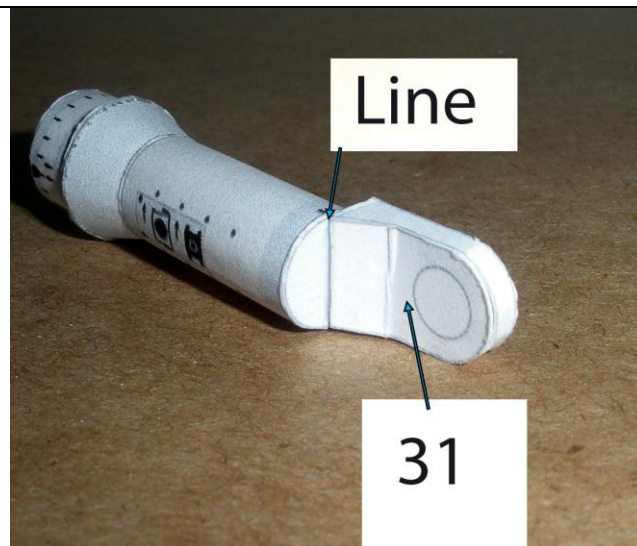
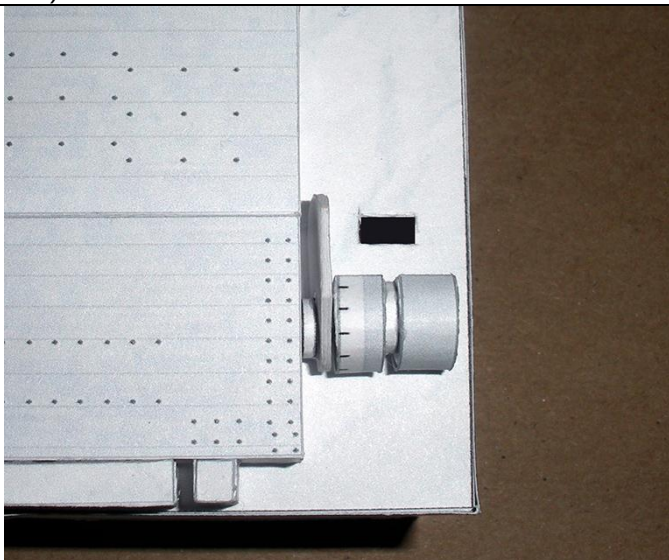
Slide **22-24** assembly onto the support rod as shown,
should have a tight fit. **Don't glue.**



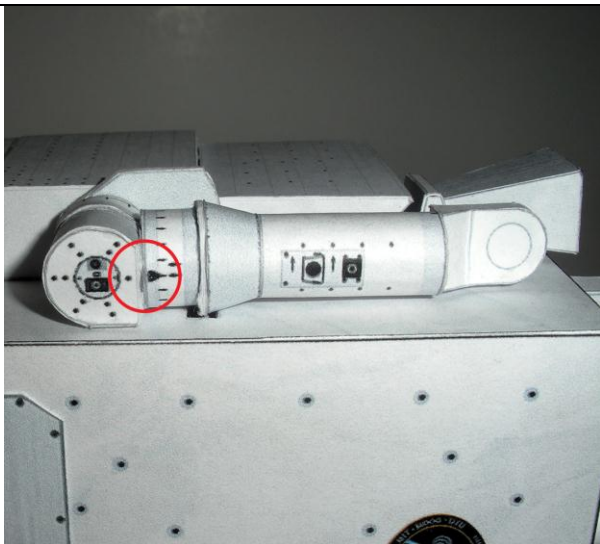
Glue to part 19 as shown. Align the round edges with the circle printed part 24 (Red arrow). Add some glue to the bottom edge of 20 to glue onto the body for strength (Blue arrow).



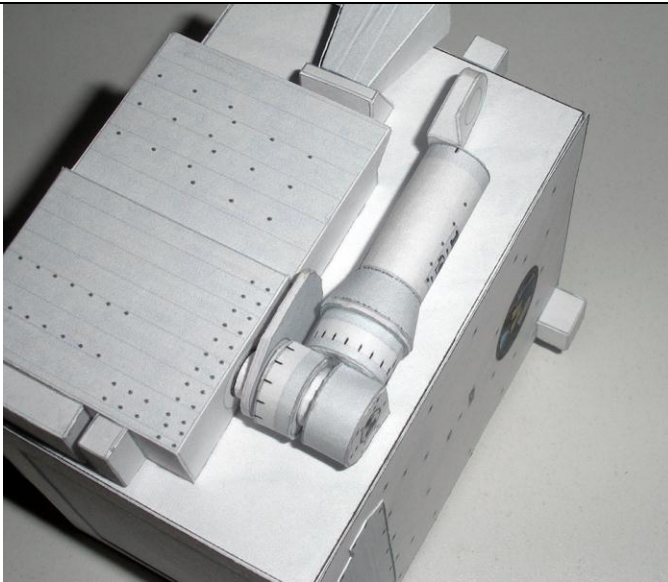
Should look like this.



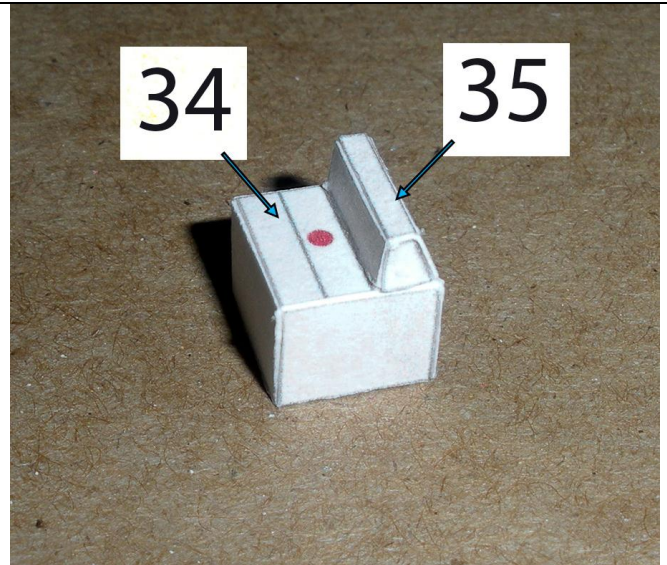
May want to add strips of cardstock inside **31** before gluing together for strength. Use super glue to glue this together.



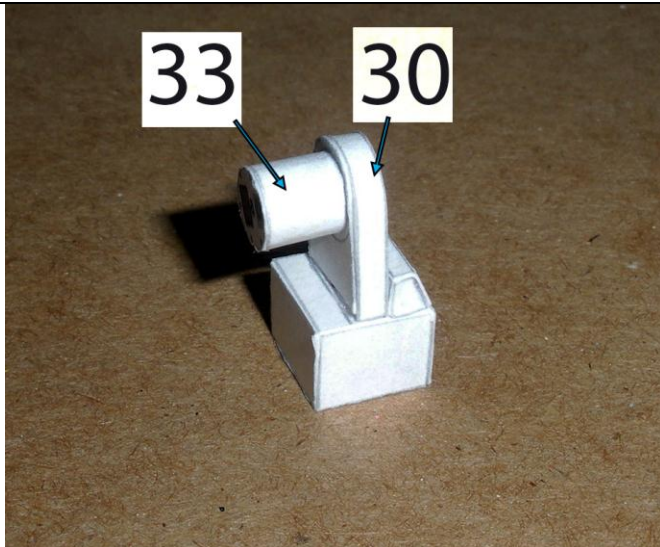
Glue together as shown. Match the two graphics as shown inside the red circle.



Another View.



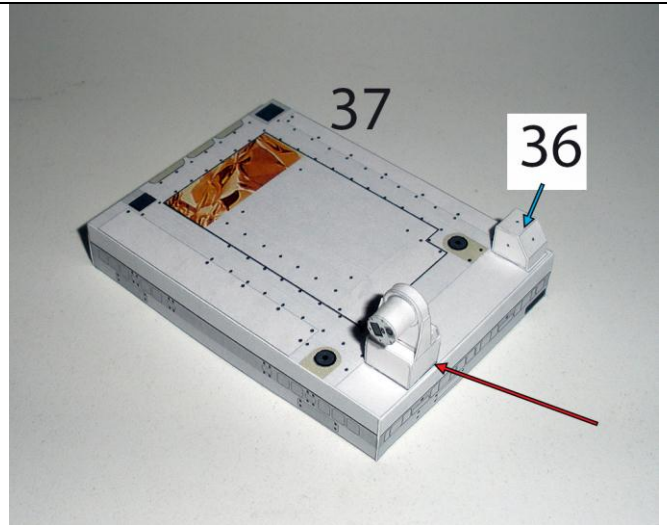
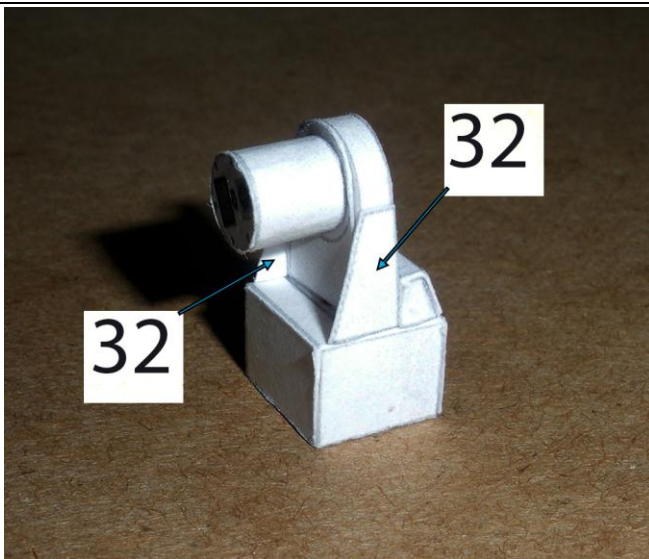
Glue **35** to the side with the blue dot, straight side on the inside.



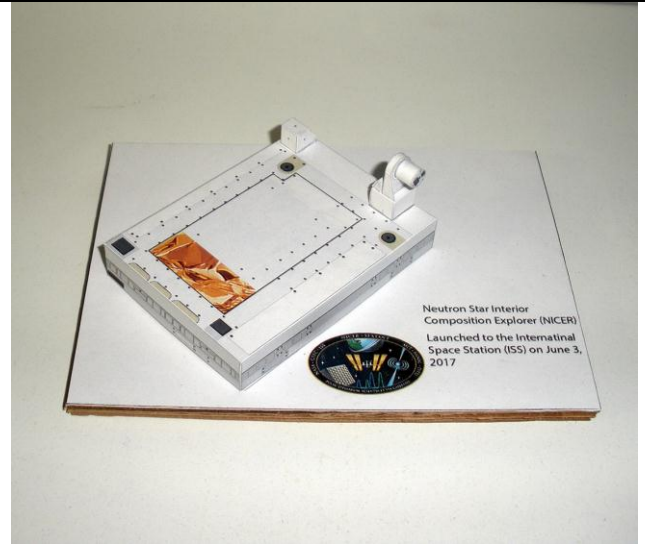
May want to add strips of cardstock inside **30** before gluing together for strength.

30 and **31** will feel most of the weight of the model. Use super glue when gluing these together.

Glue **30** to the middle as shown.



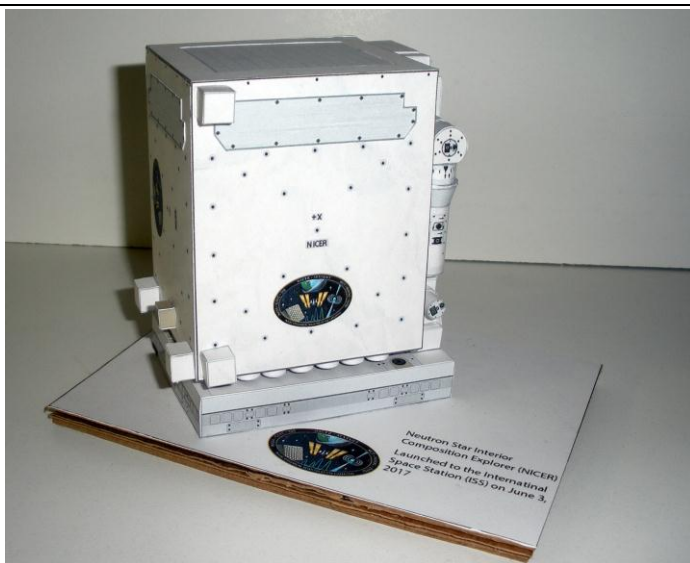
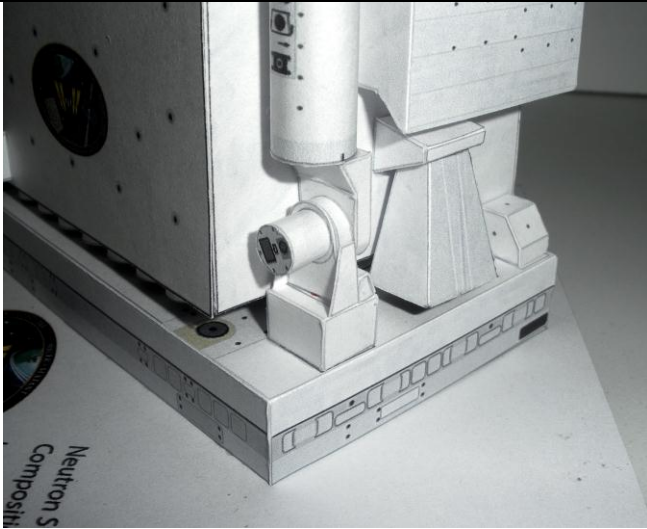
Need to glue some cardboard or - two layers of cardstock - to the back side of **37**, specially where the parts you just made will to glued to, it will hold all the weight of the model.



Depending on how thick of the cardboard you used for the bottom back side of 37, may need to cut the BOTTOM SUPPORT ring to fit under the platform.

Glue the two hinges together, may want to use super glue for strength.

Your model is done.



Closed position



Open position