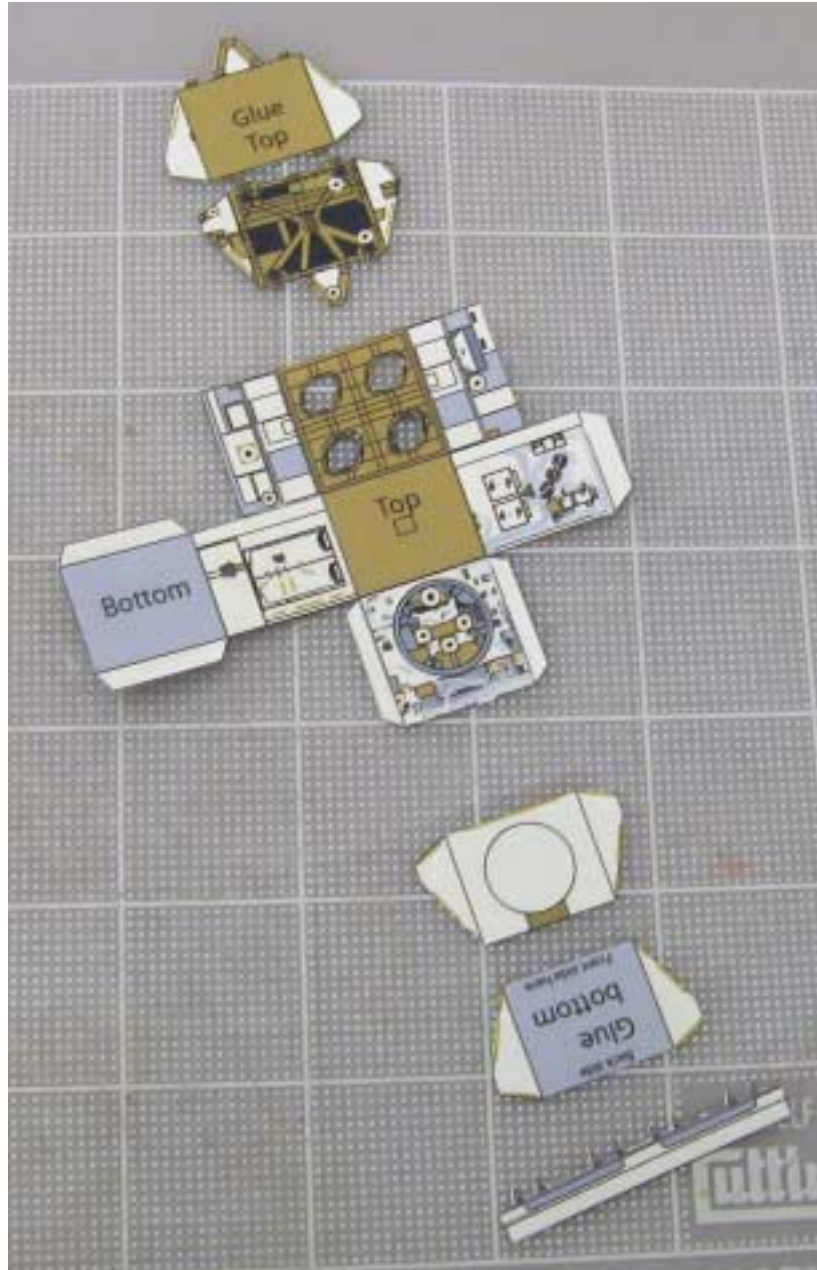
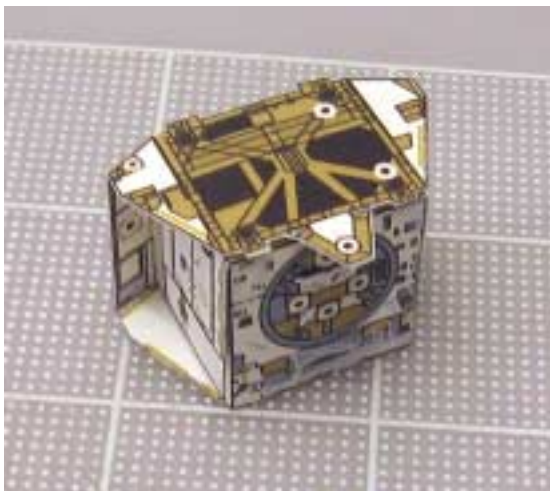
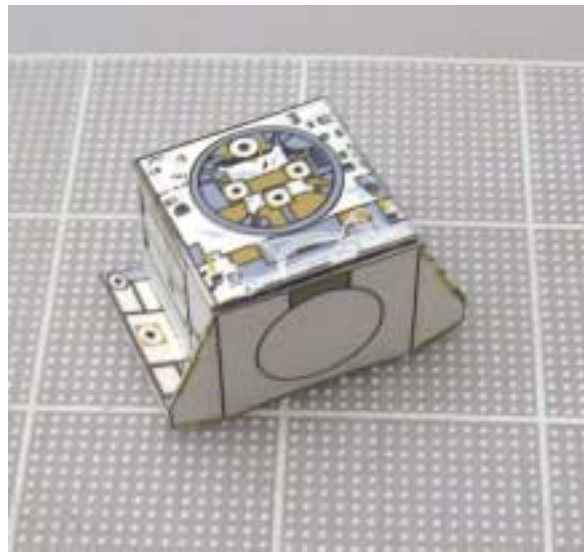
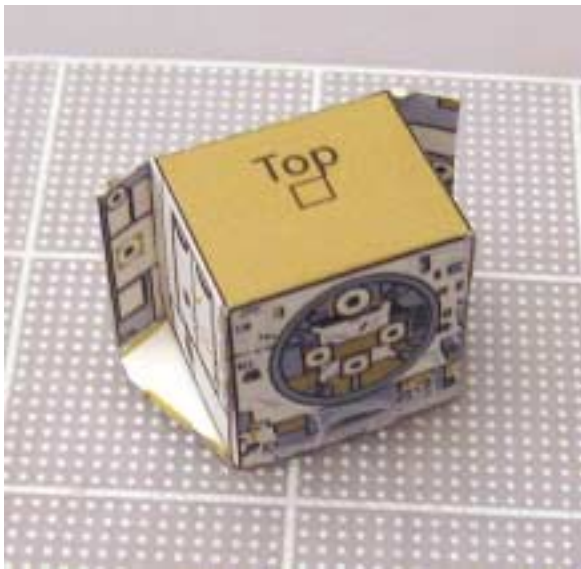
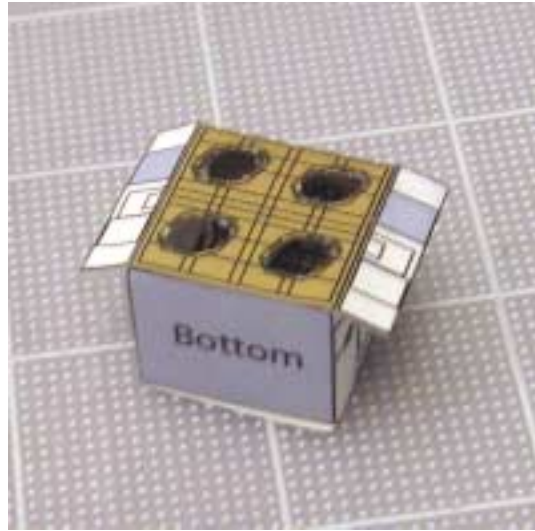
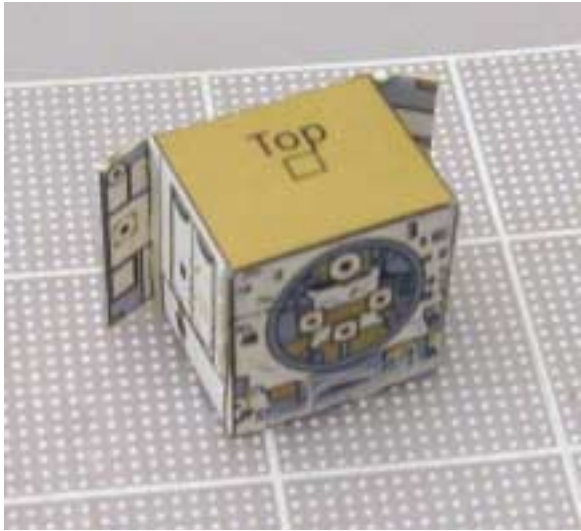


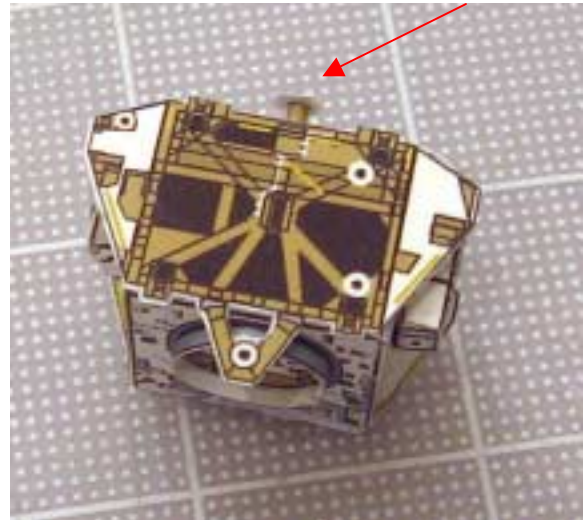
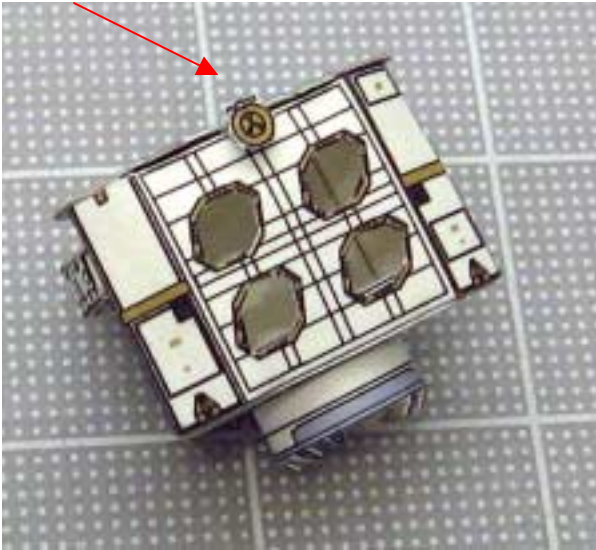
## Building “Z1 Truss”



These are the main parts to build the Z1 truss. (Draft model used for photos)  
Note that this manual will cover the assembly of the Z1 truss in 2 configurations, one for the payload bay and for the Space Station. The details differ for each configuration.

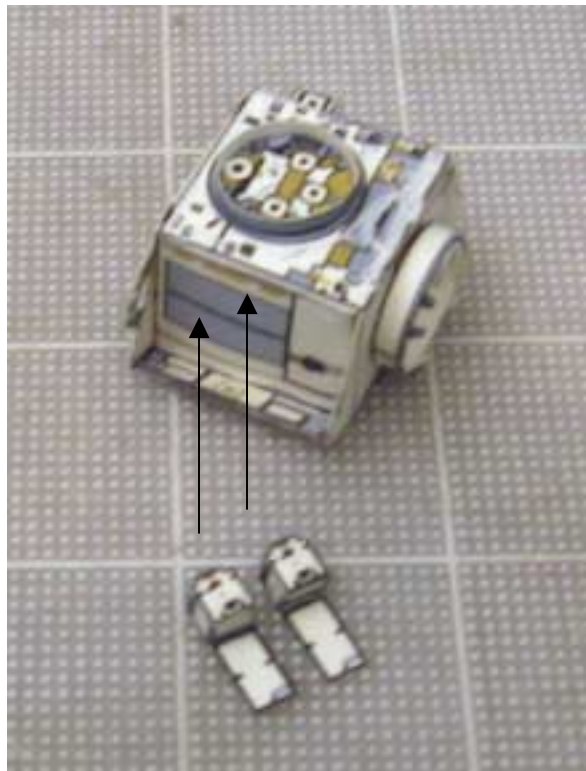
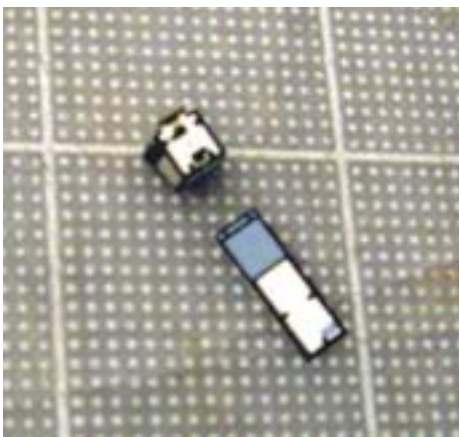
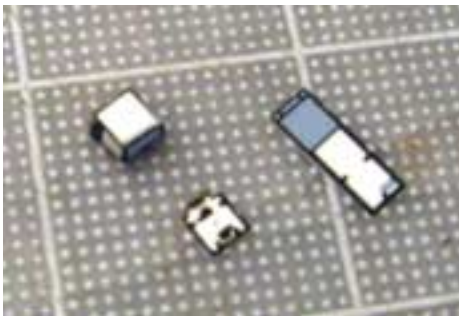






Note that the Grapple Fixture is placed on the Z1 payload bay version only. (arrow)  
It is not used on the Space Station version because it was removed during an EVA (extravehicular activity).

**Adding the DDCU-HP's (Space Station version only)**

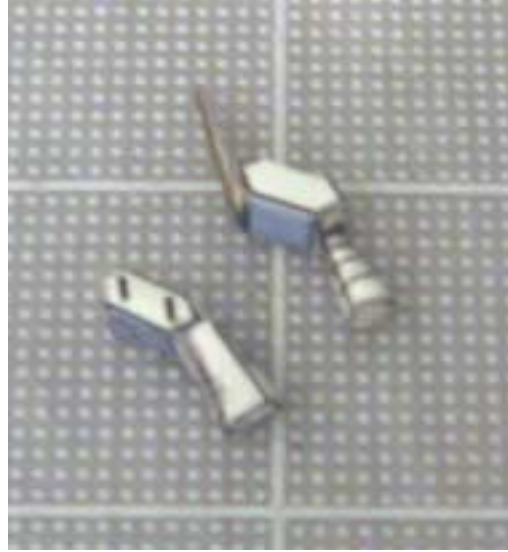




This side of the truss is where the PCU's are placed. For this model is only one rectangular box. (red arrow)  
Notice that both Z1 versions have this box on this side.

Model also shows the addition of the gray ring that will serve to place the PMA-3 for a later mission.

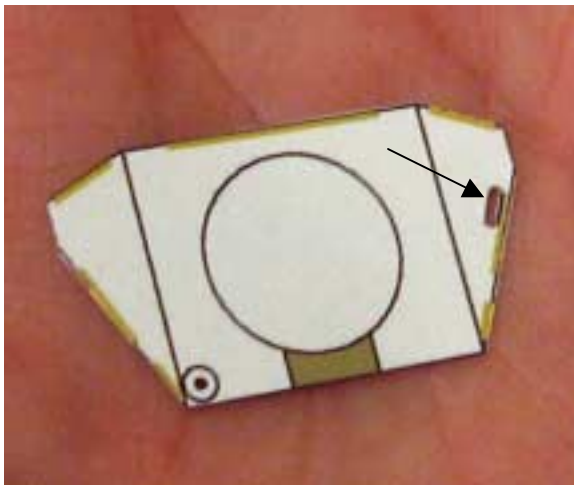
### Adding the SASA antennas



STS-92 was the first mission that carried a SASA antenna on board the Z1 truss. Both photos show on the left the antenna with a thermal cover and on the right without the cover.



Photo shows a Z1 payload bay version with the SASA antenna in its original place during launch. (arrow)  
Notice that this is the same side on which the DDCU's are placed on the Z1 Space Station version.



Arrow shows a small opening where the SASA antenna is placed. For this model the antenna will not be glued because it will be removed for a later mission.

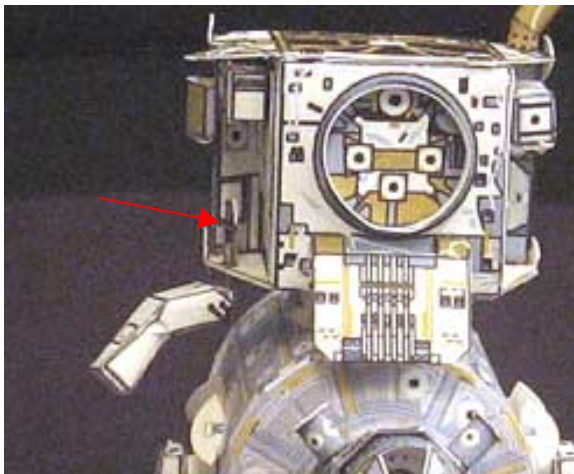


Photo shows how the SASA antenna is relocated, facing down. This is the first relocation of the antenna. The "stick" of the antenna (red arrow) is inserted in the opening to secure it in place instead of gluing it.





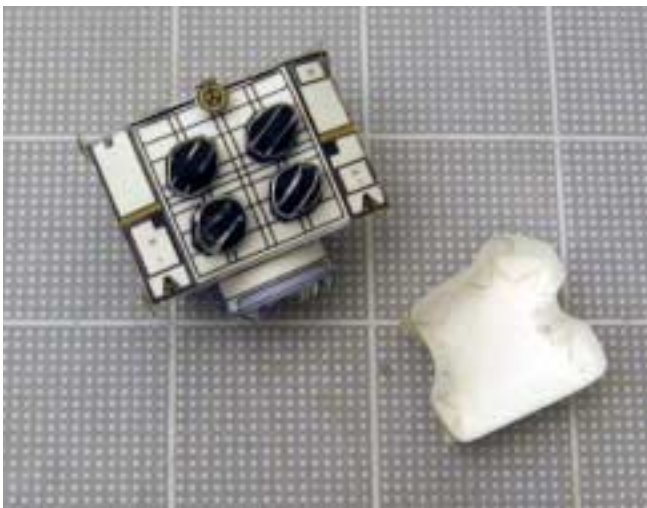
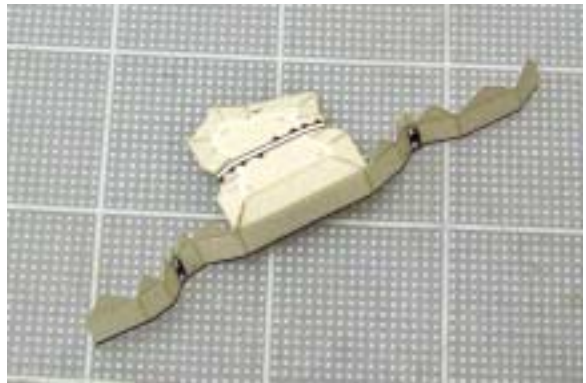
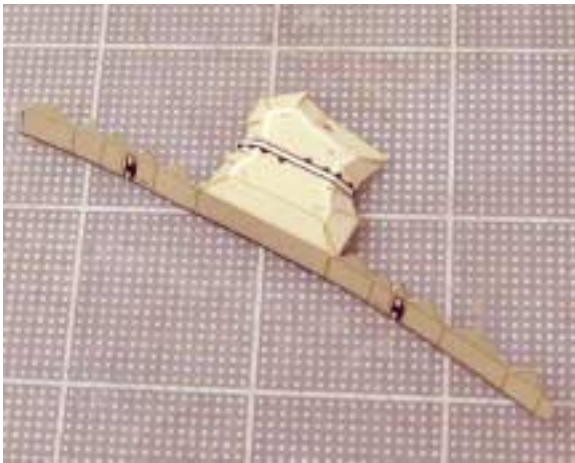
Photo shows the Z1 Station version with the EVA tool boxes in place. Reference numbers are used to glue these boxes. **Their orientation is NOT UPSIDE DOWN for the Z1 Station version.**

### Building the Gyroscopes





**Adding the CMG thermal cover (Gyroscopes cover)**



This cover has been designed to snap in place, not to be glued.



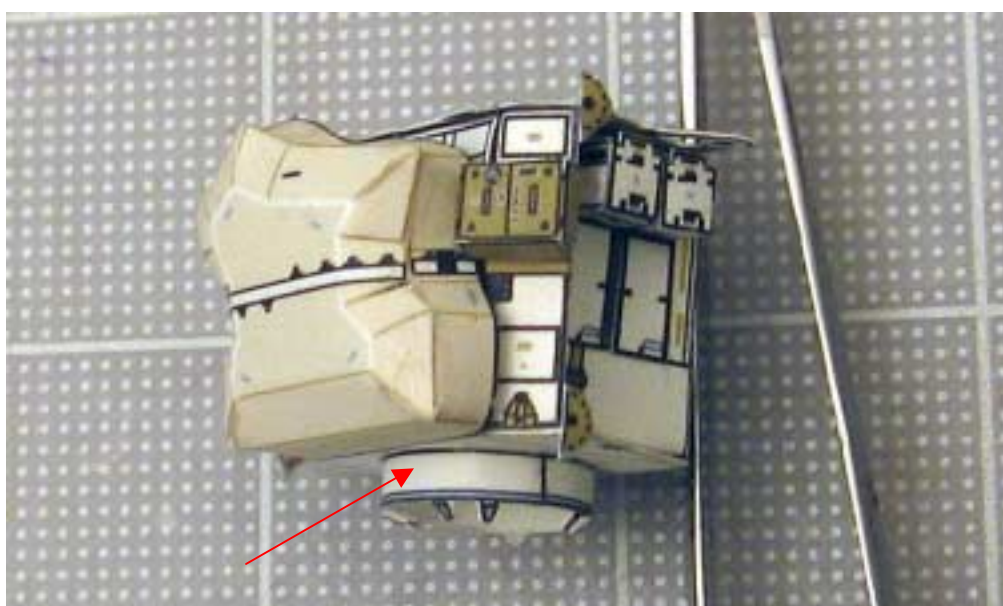
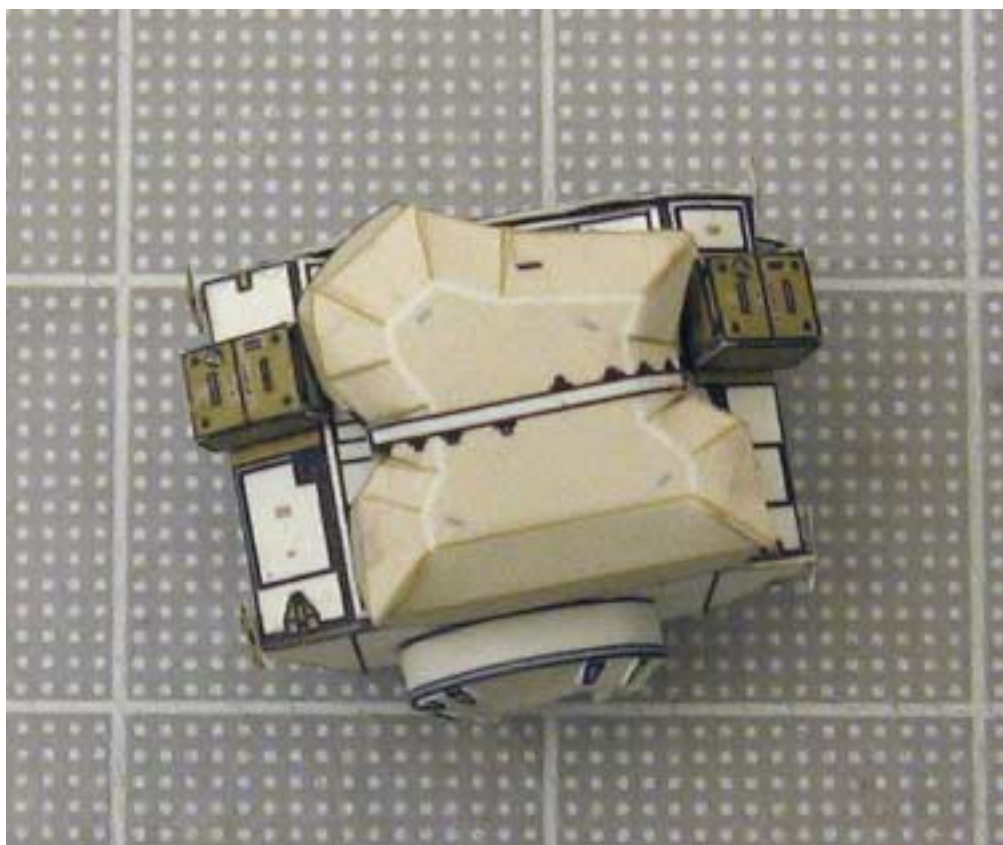


Photo shows the Z1 Station version where the bottom ring (arrow) is narrower than the Payload bay version in order to fit at the exact height on top of the “Unity” model.



## Building the PMA-3 (Pressurized Mating Adapter)

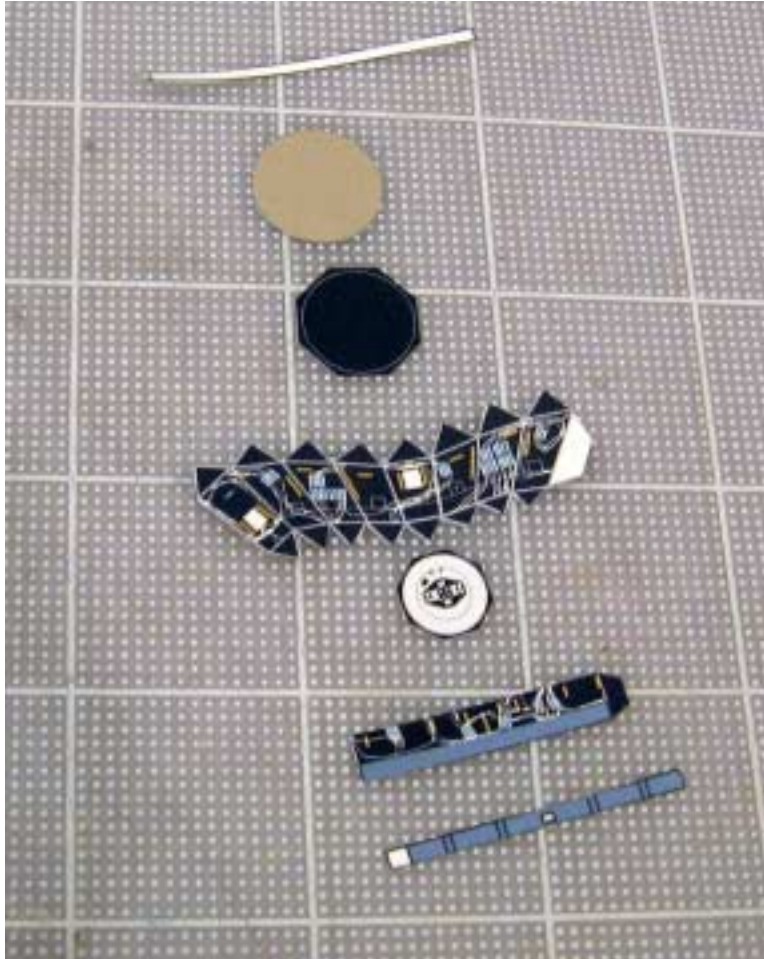
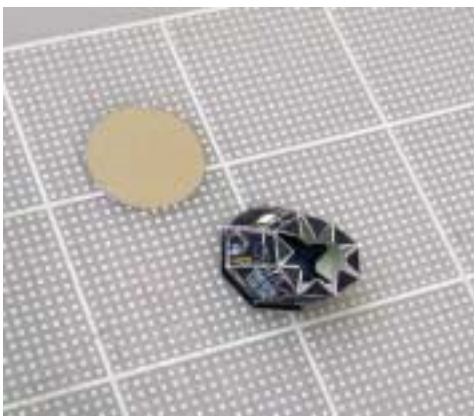


Photo shows the sequence of the parts to build a PMA.





PMA-3 has two grapple fixtures as photo shows (arrows)



## Adding the SGANT dish and Antenna Boom











Enjoy this model!

<http://www.axmpaperspacescalemodels.com>