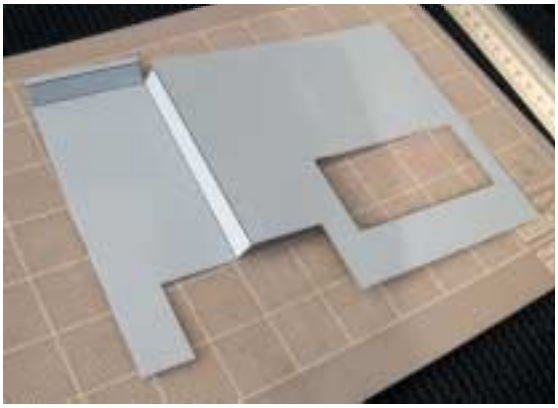
AXM Paper Space Scale Models

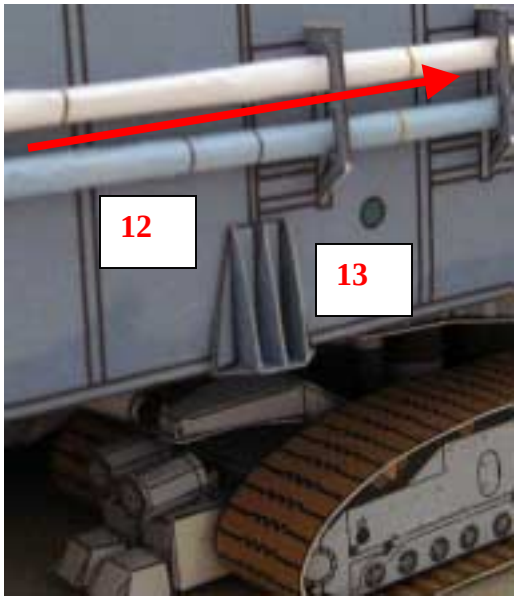
Detailing the exterior of the platform

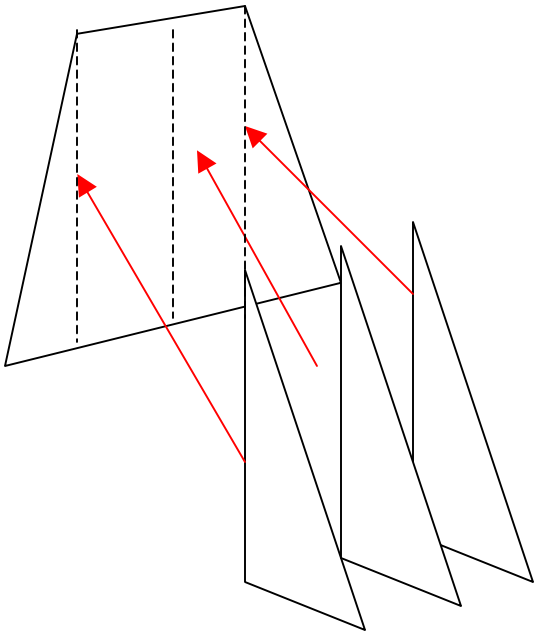
Assembly of the bottom



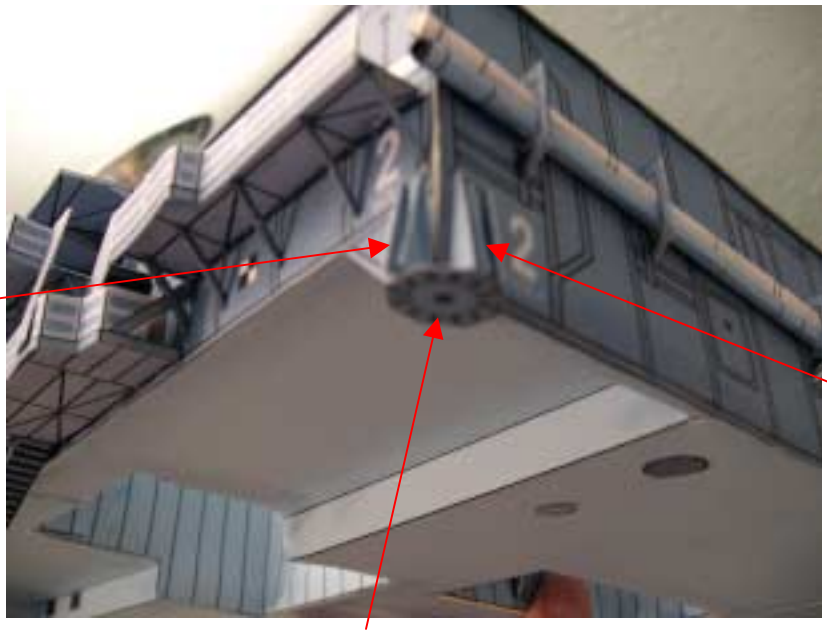
The bottom is made out of 4 quadrants. Photos show the 2 level bottom details. This prototype part lacks the circles for the Crawler and the Mount support interface.

Addition of the MLP Mount Support Interface





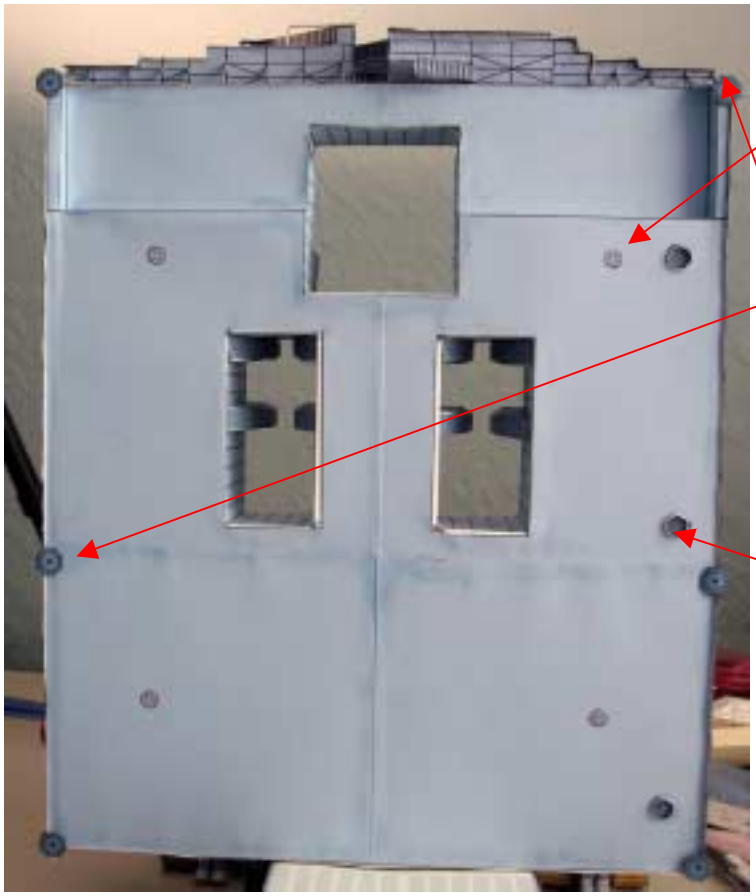
The 3 triangular parts are glued as diagram indicates. Note that on Side1 there are only 2 triangular shapes at the front of Side1.
IMPORTANT: The Mount interface in the middle section is centered in the line between bay 12 and bay 13 on each Side 2 and 4 starting from the front to aft of the platform.



2 triangles

3 triangles

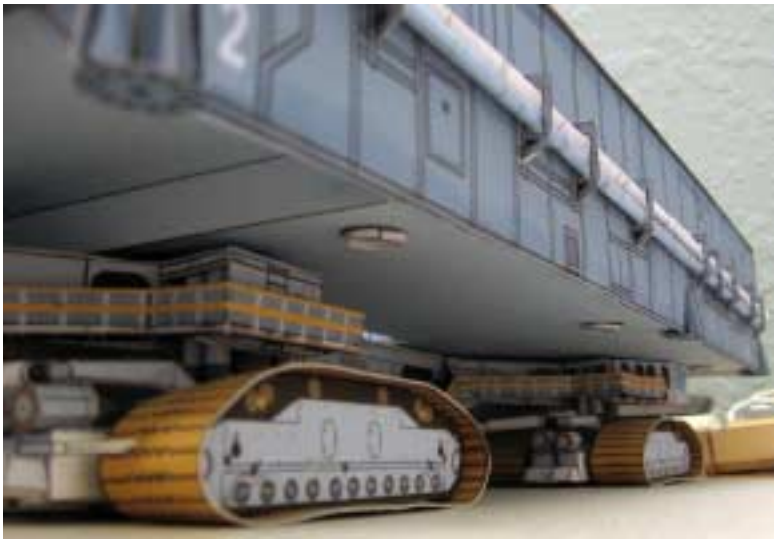
The circular base is glued at the bottom as photo shows.



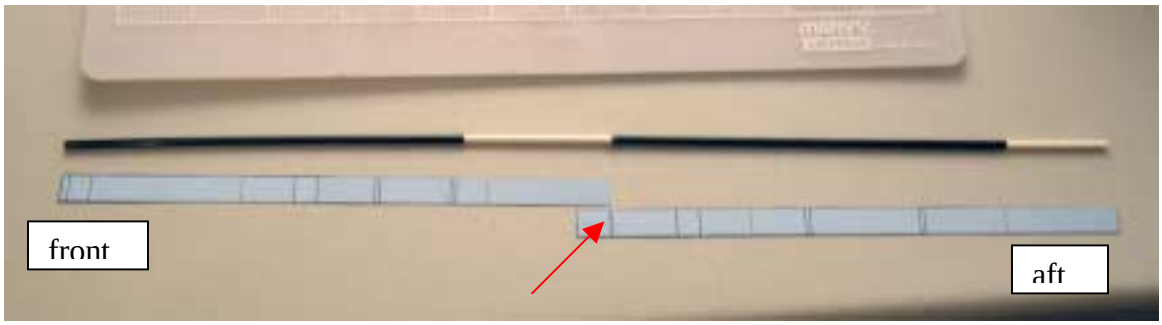
C
Crawler interface (these circles match with each crawler corner.

M
Mount Support interface (circles on corners and midsection of the MLP)

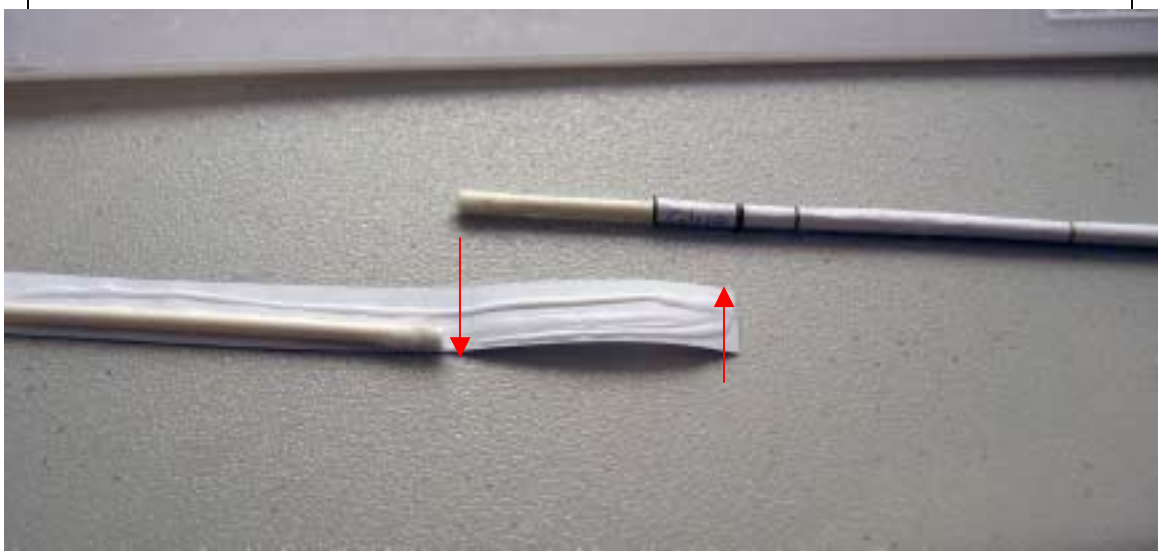
E
Extensible column interface. Apparently on one side only as per NASA photos.



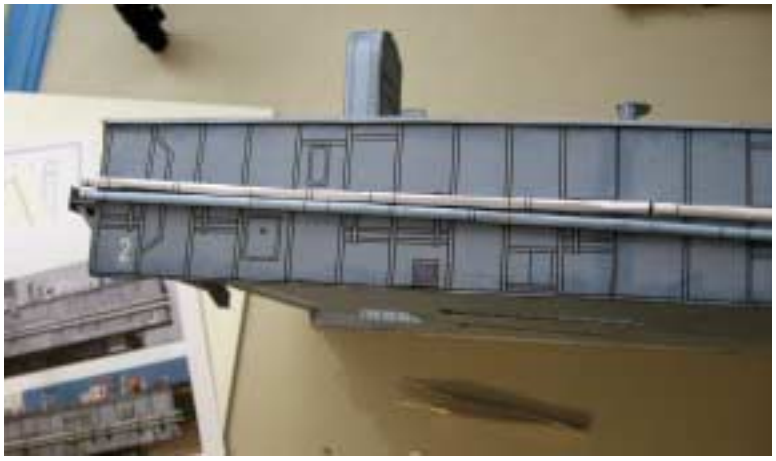
Assembly of the fuel pipes on Side 2 and Side 4



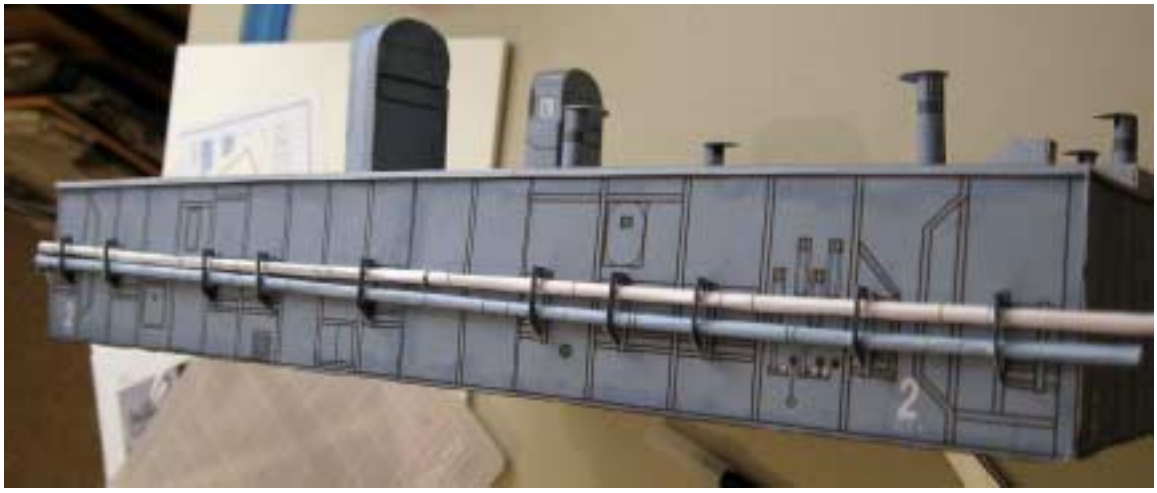
The pipes can be made out of any material. In this case I used cotton swabs and very thin straws, or coffee stirrers. (2 mm in diameter)
Arrows indicate where both ends overlap.



This pipe is made out of cotton swabs. Note how both ends overlap.



On Side 4, note that both pipes are separated at the aft of the platform.

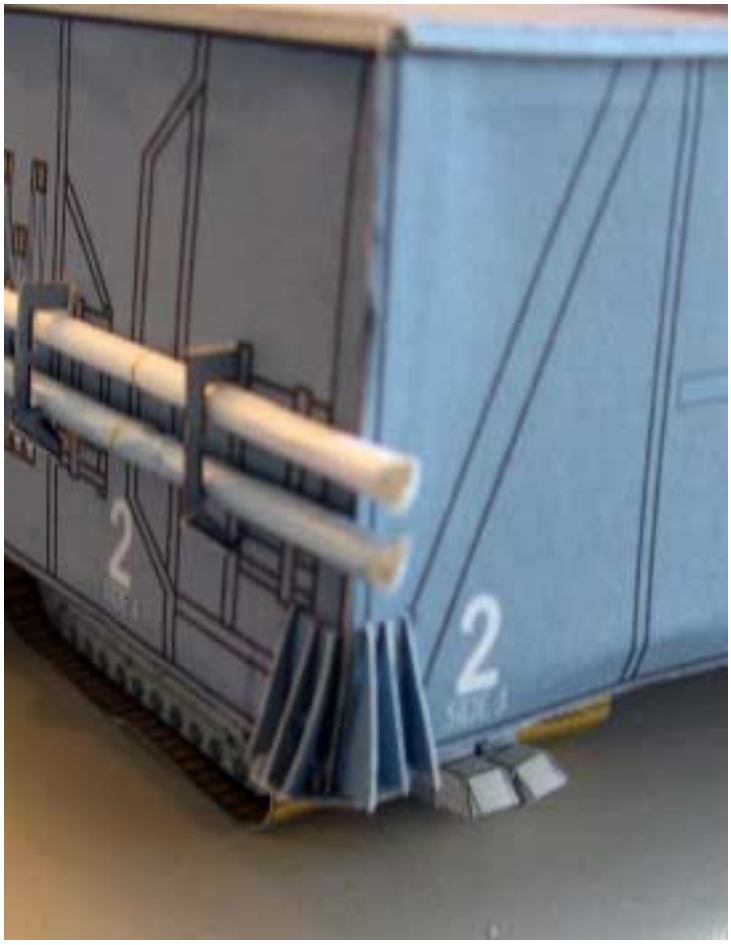


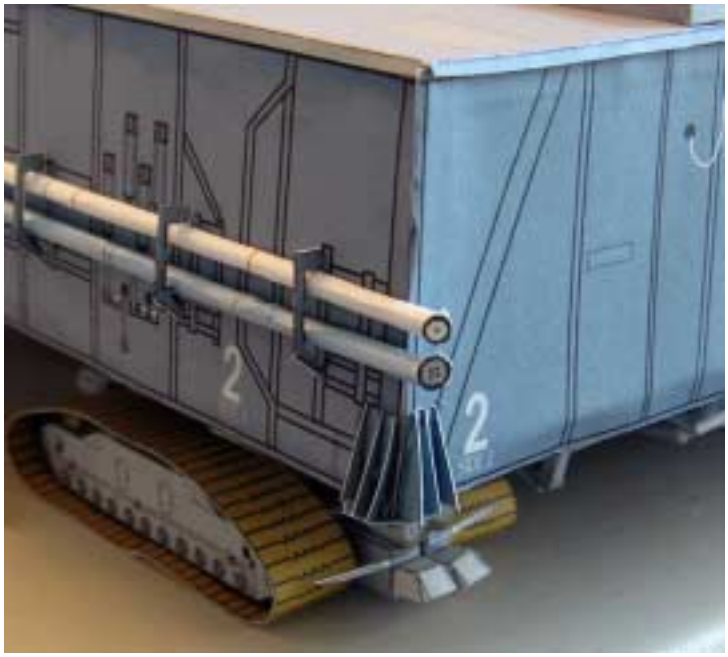
Side 4 complete with support beams installed. For this photo the support beams are prototype parts. The final beams at the aft of the platform for Side 4 are shaped as an “E” to separate both pipes ends.


Side 2

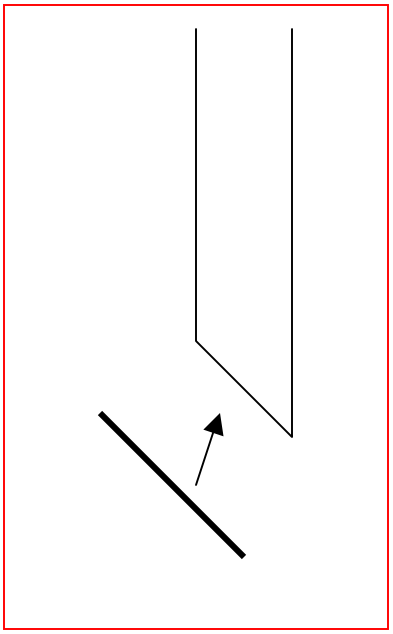

Side 4

Notice how the pipes extend over to the front and to the aft section. The pipe design was made simpler. It is an option to put pipes on top of the drawings on Side 1.

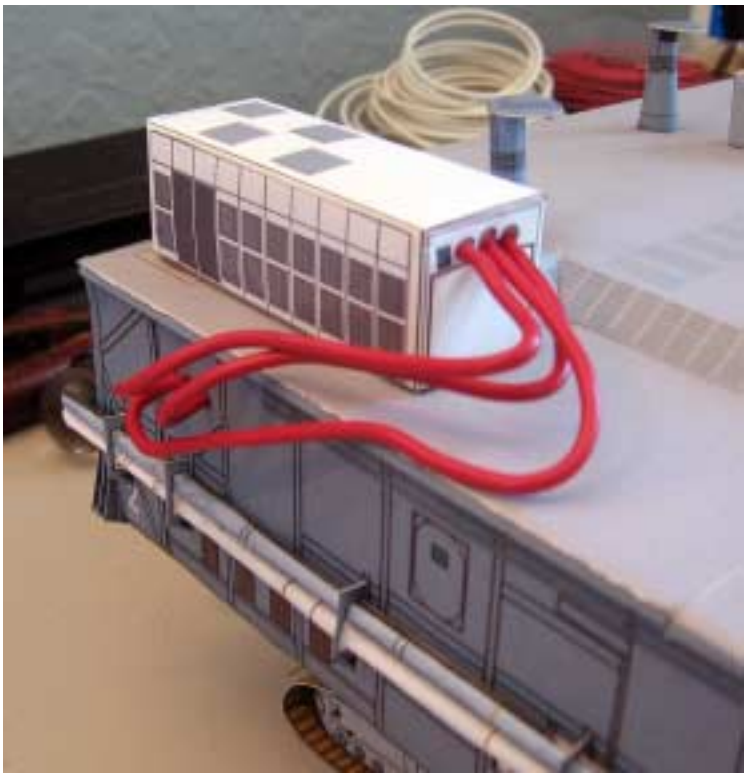


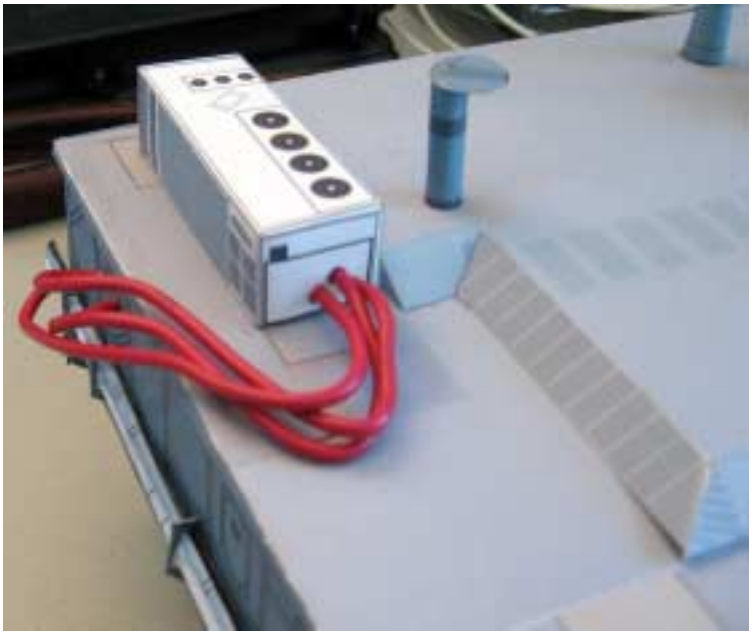


Cut the end of each pipe in an angle in order to place the circular plate. See diagram.



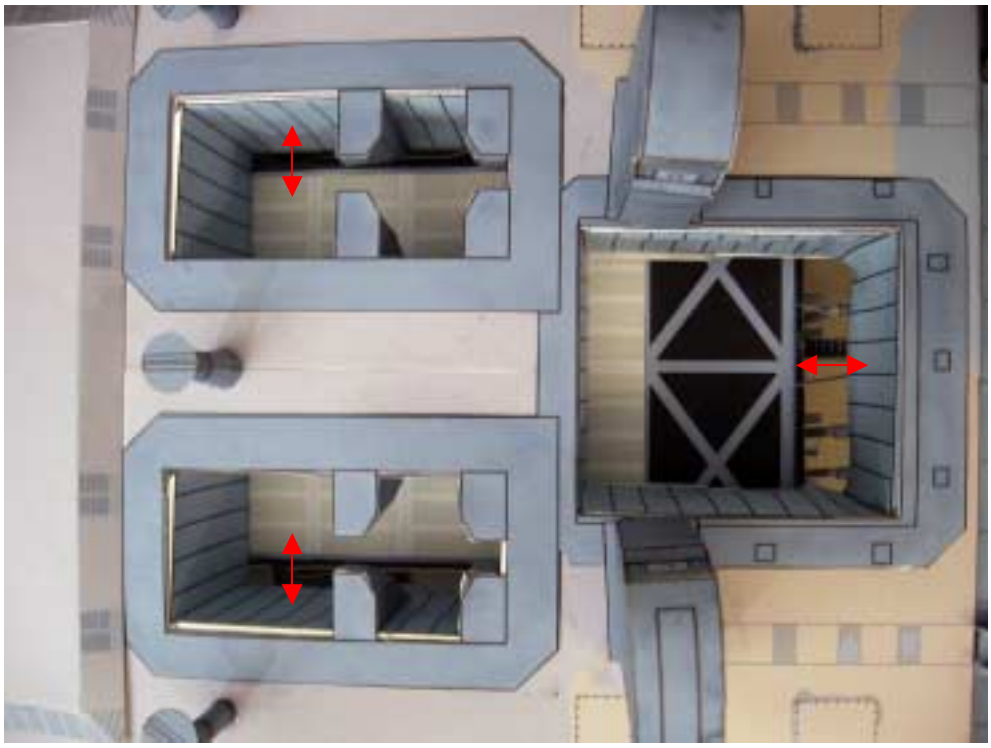
Adding extra parts (platform pods)



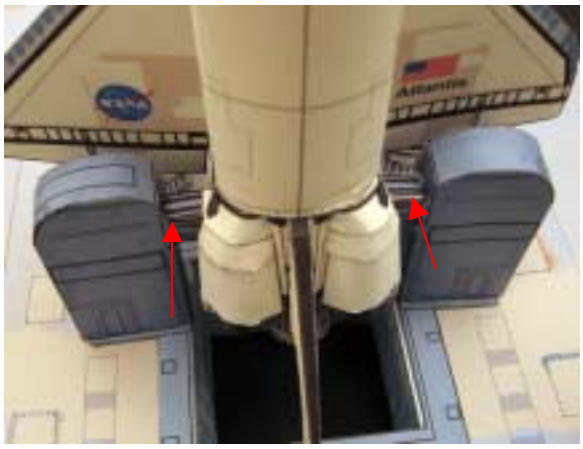


These are the 2 versions of the very familiar platform pod that is located on top of the platform. The “hoses” are made of electrical wire **gauge 16** in red color to match NASA’s photos of the real pod. Notice that the hoses connect to Side 2 (red circles). Check NASA’s photos for reference.

Putting the Shuttle Stack on top of the platform



Relation between the crawler and the platform.



Insert the Solid Rocket Boosters nozzles in the SRB holes. The model pretty much will stay vertical.
Then **place** the umbilical parts on both sides so the Shuttle stack can be straight without tilting. DO NOT glue the umbilical parts. (arrows)

Model is almost complete.

NEXT: Assembly of SRB hole pipes