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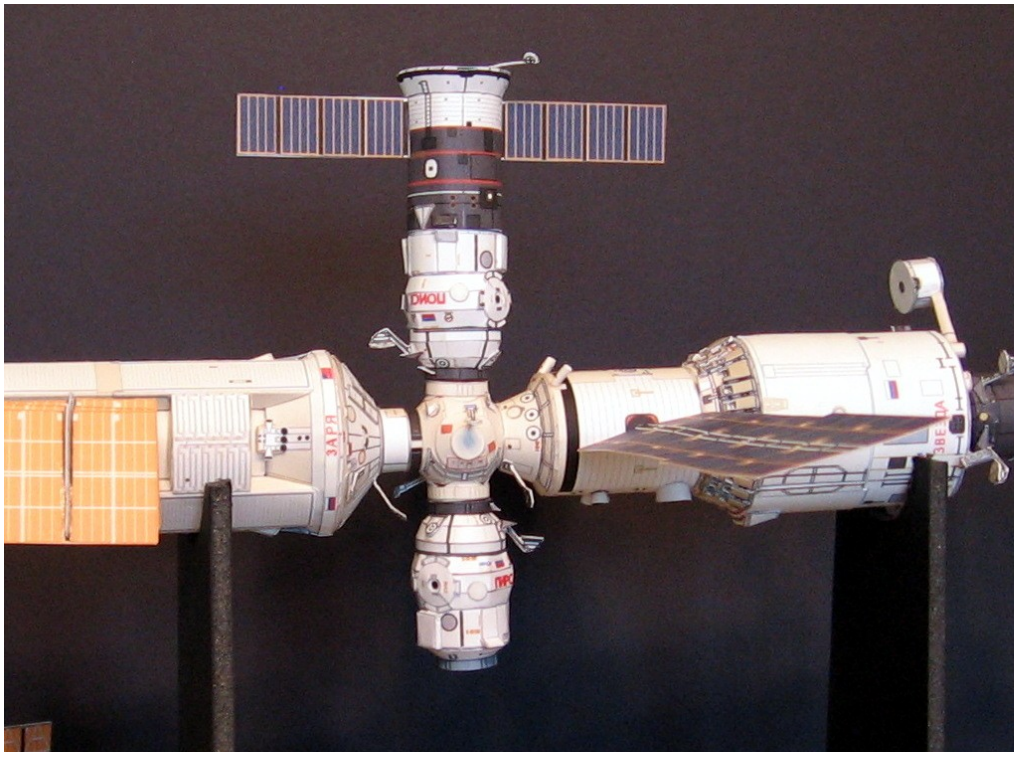
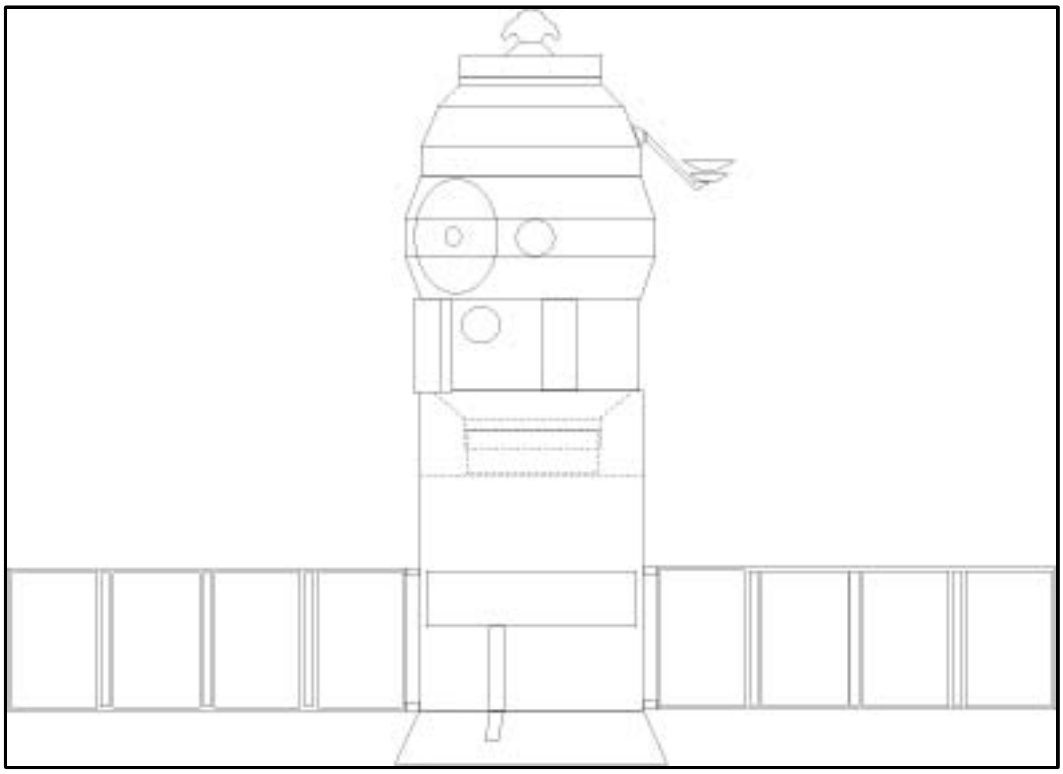
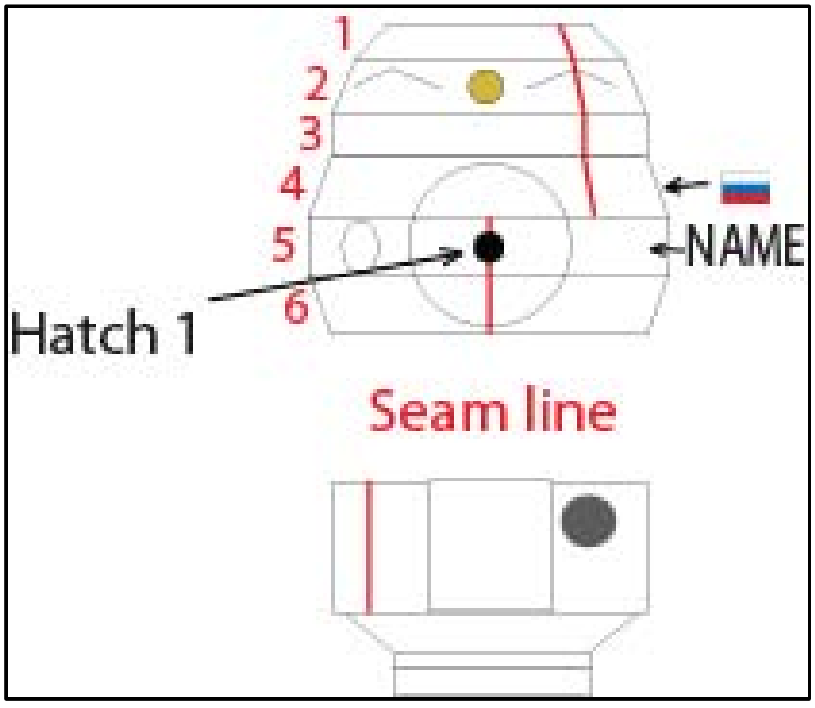
"PIRS" and "POISK" Modules Assembly Instructions

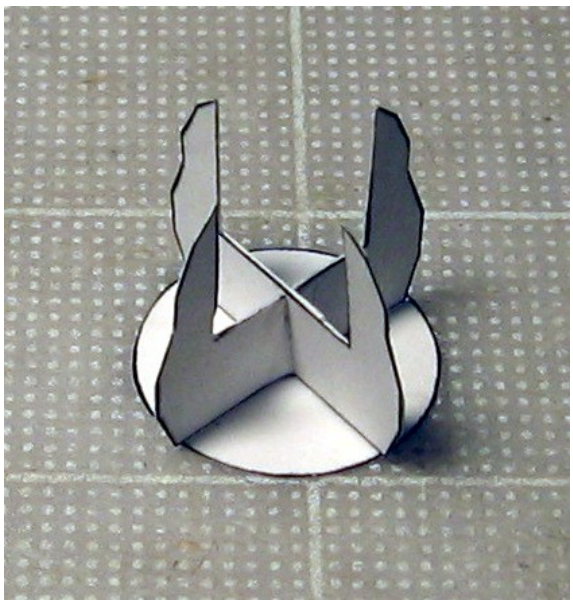


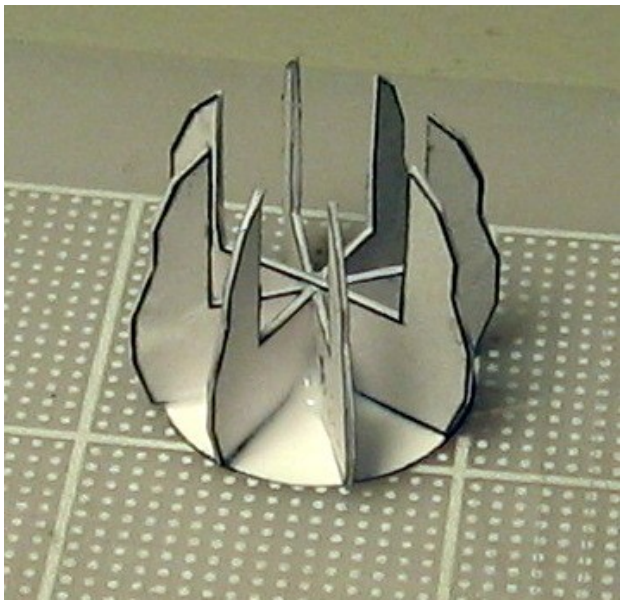
The “PIRS”/“POISK” papermodel consists of several rings that are glued one on top of each other, and has an internal structure that hold the rings in place.
The diagrams below show all the model parts and also show where the seam line is located for each ring. This is very important in order to accurately assemble the model.



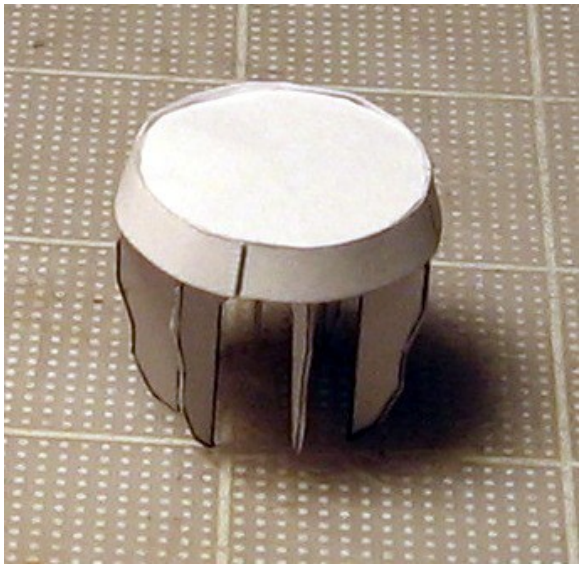


Building the internal structure



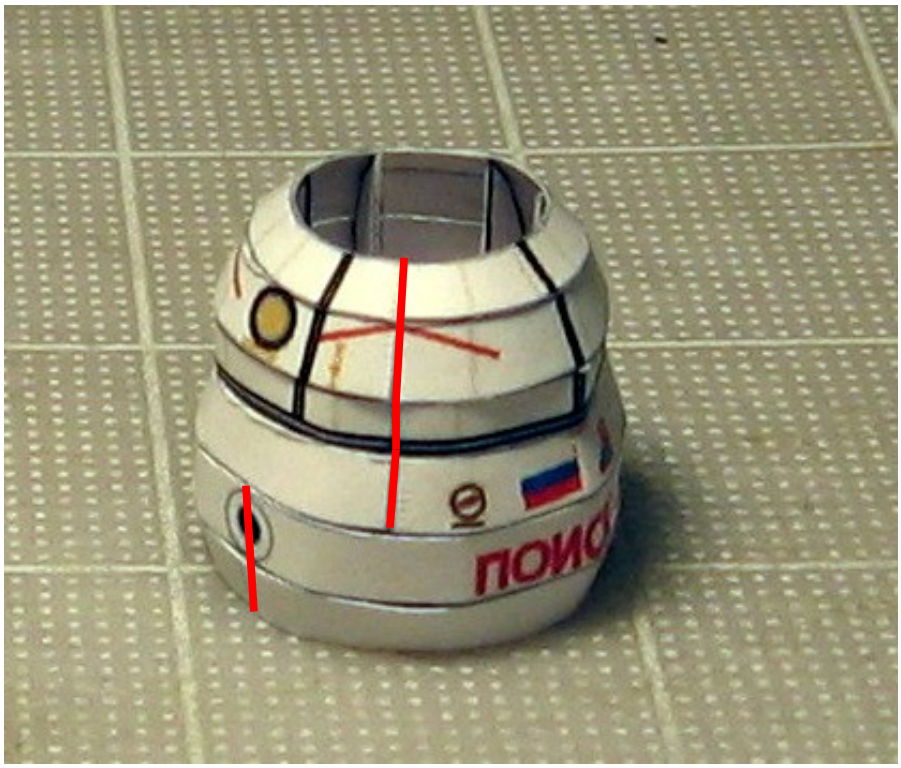


LET IT DRY !!

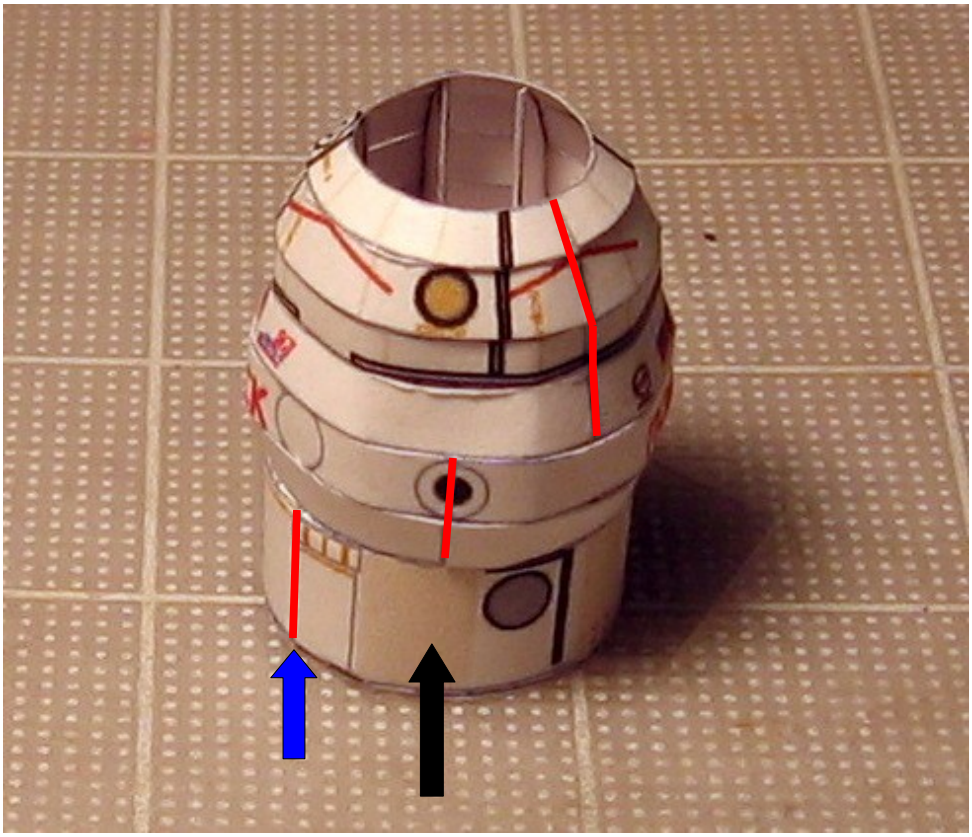


Photos show the internal structure and how the rings are glued one by one following the diagram.
-Ring 6 is glued first with the internal structure bottom up. Try to squeeze the ring to be at the level of the white base.
-Ring 5 is glued and lined up with the seam line from ring 6.
-Ring 4 is next and its Russian Flag needs to be centered on top of the PIRS/POISK name in cyrilic. Note that ring 4 has 2 flags, but the flag in reference is the one close to the end of the ring, the one closer to the seam line. By doing this, the seamline of ring 4 will be the reference guide for rings 1, 2 and 3.

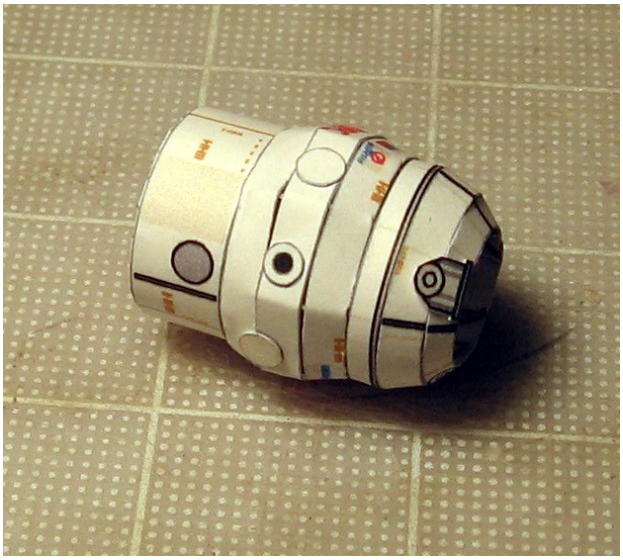
Adding the rings



This photo belongs to POISK. It clearly shows how the seam line matches with the diagram. Note that the flag is centered with the name of the model, in this case POISK in cyrilic.

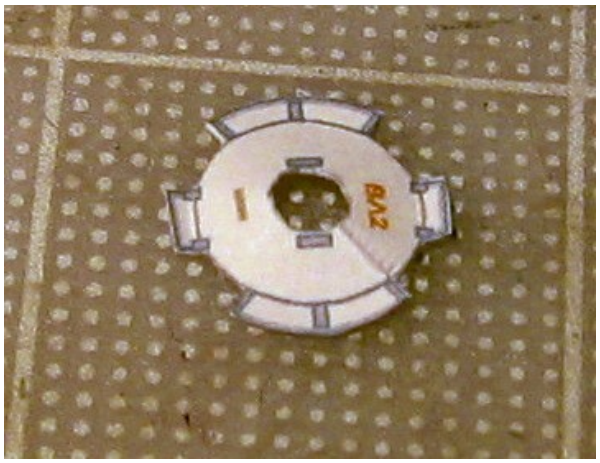


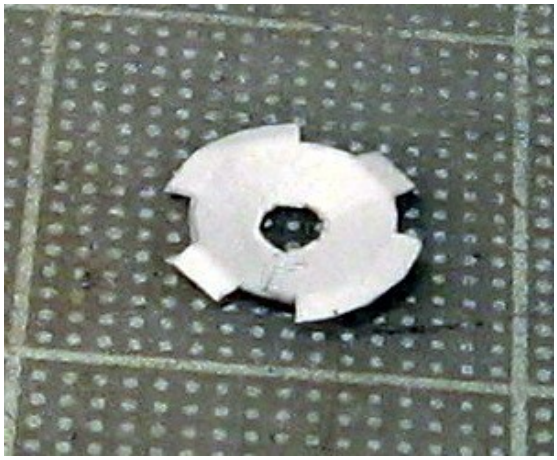
This photo is from POISK, too. It clearly shows how the base is glued to the ring block. The black arrow points to the large square area that needs to be centered with the seam line of rings 6 and 5. Here the square is not totally centered. This square is the one close to the seam line (blue arrow). Try to center it with the small black circle of ring 5.

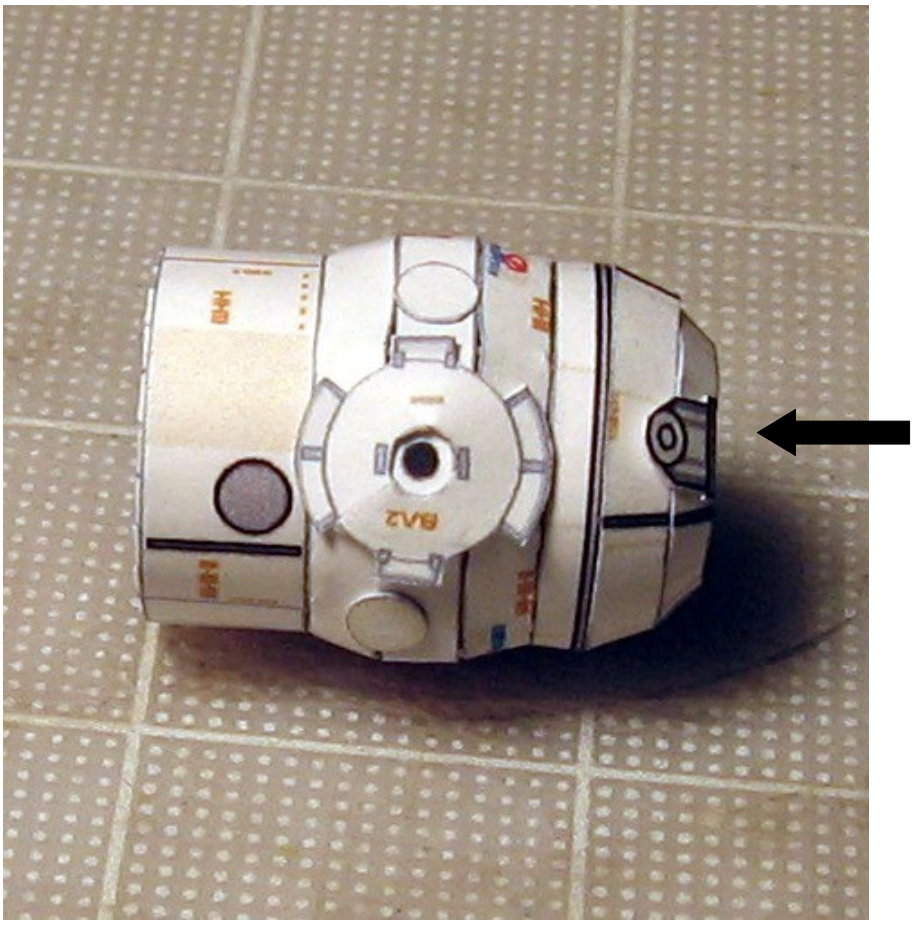


Glue all the small circles to the model. The circles with the black area in the center correspond to the module hatches.

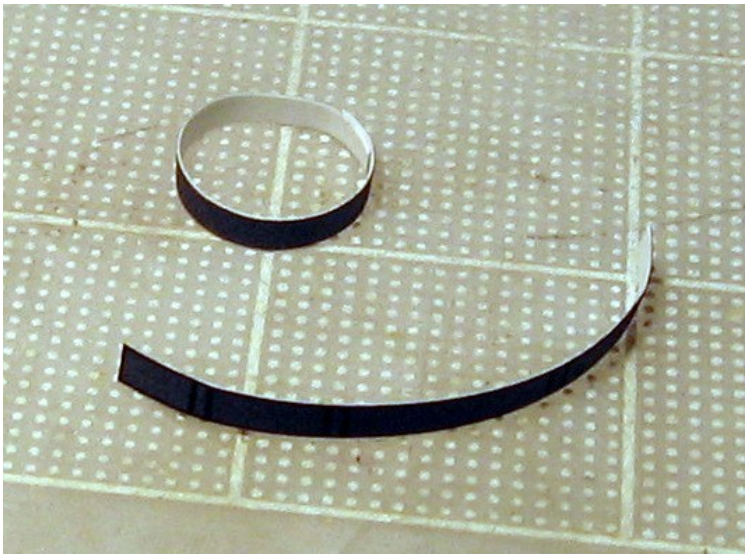
Preparing the hatches





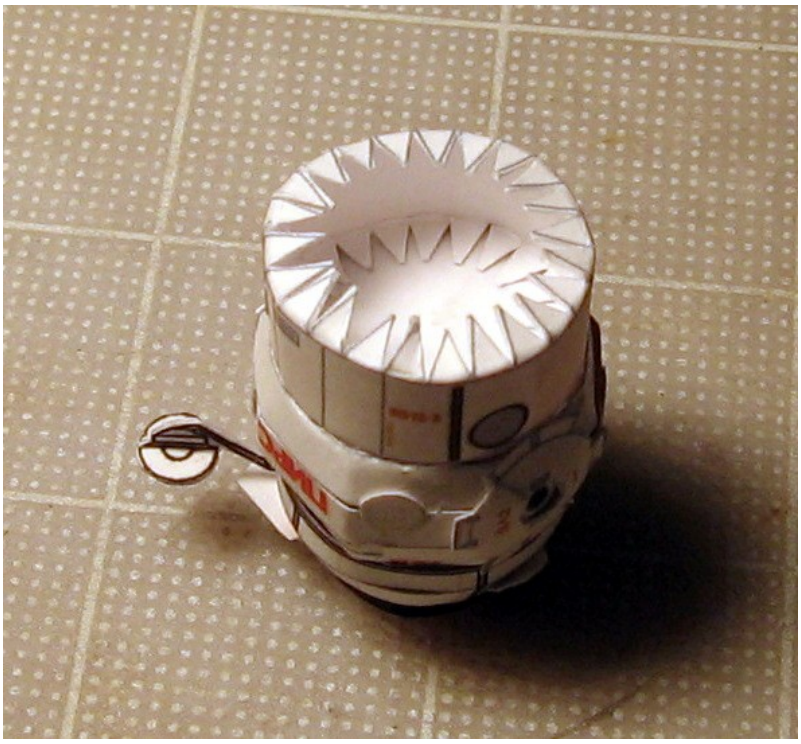


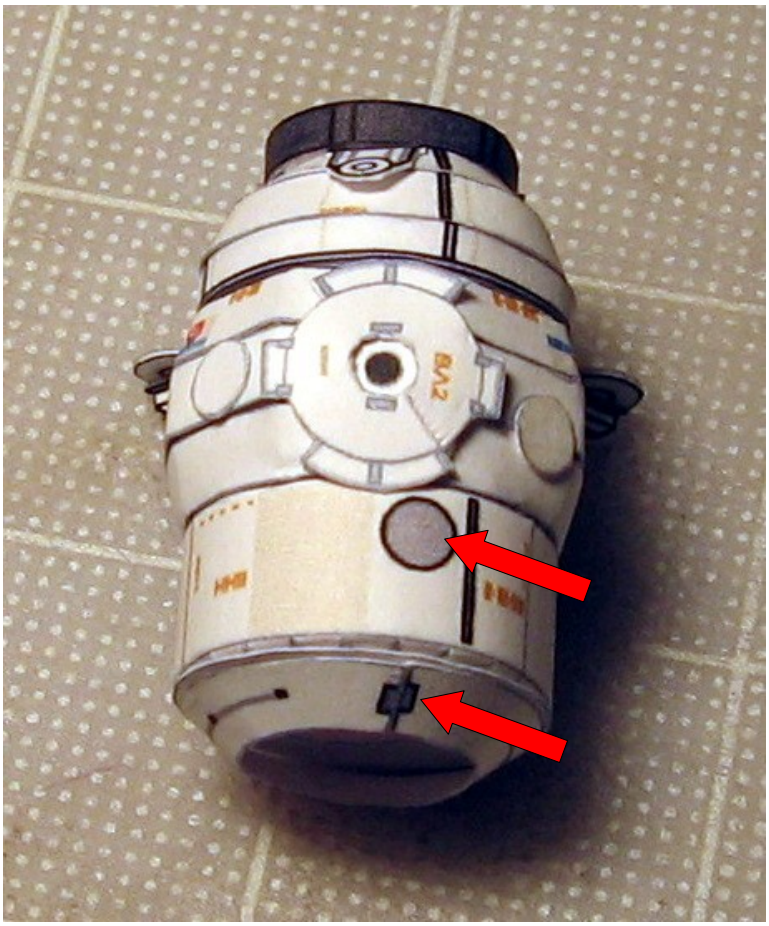
Hatch #2 is placed on the side where there's an antenna, as shown by the arrow, and Hatch 1 goes on the other side where there's a small yellow circle.



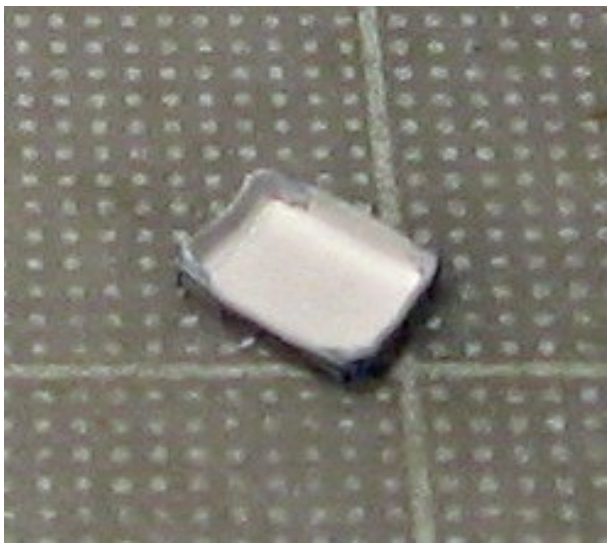
Add the top docking ring and start adding the KURS antennas with their protecting shields, exactly the same way as in Soyuz and Progress.
(see manuals)

Adding the base



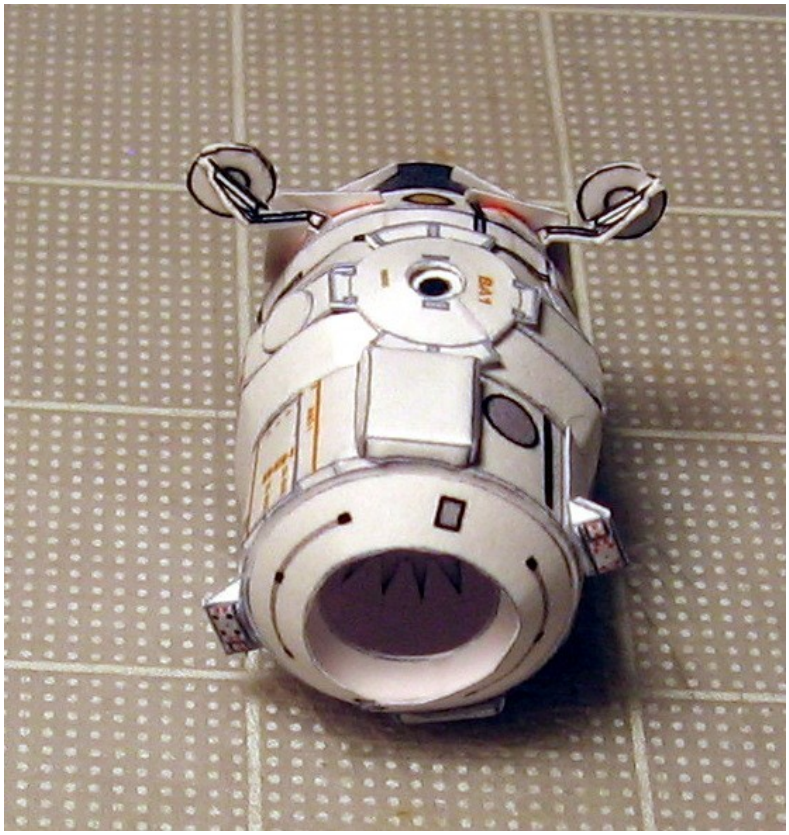


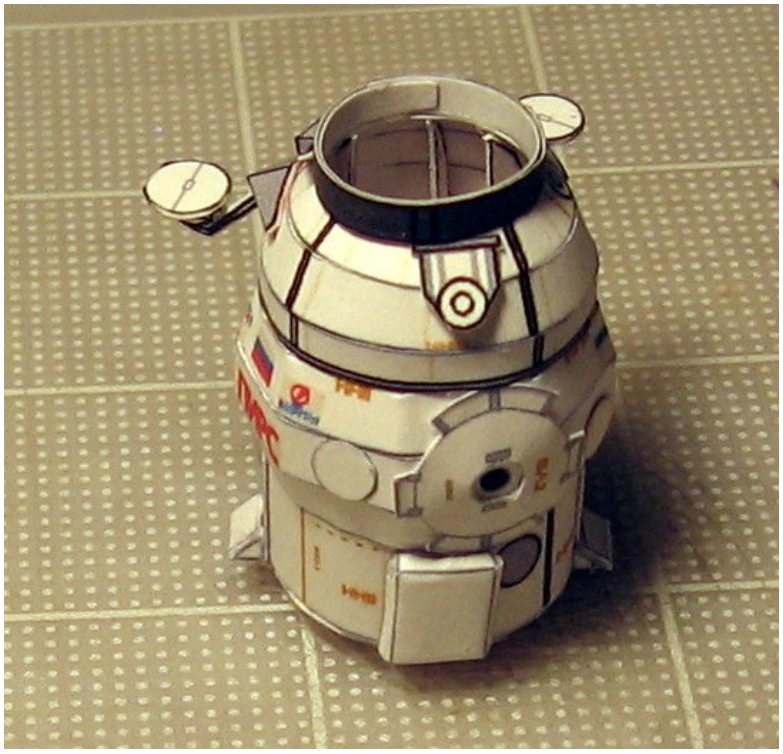
To align the base of the module look for Hatch2 side and center the small square from the base with the gray circle. (red arrows)

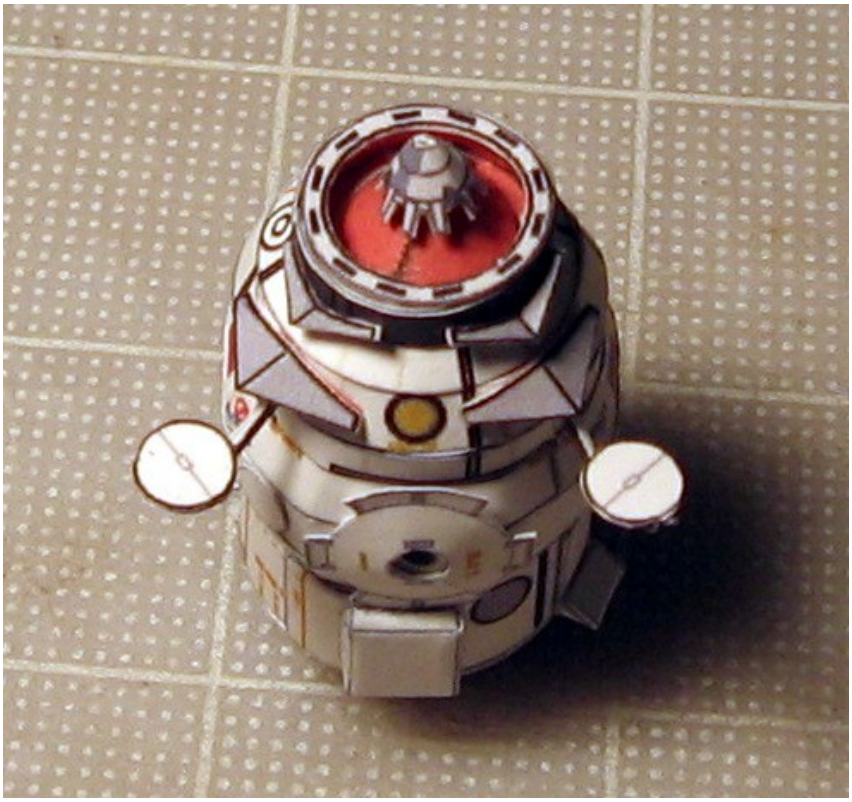


BA1

ПИРС



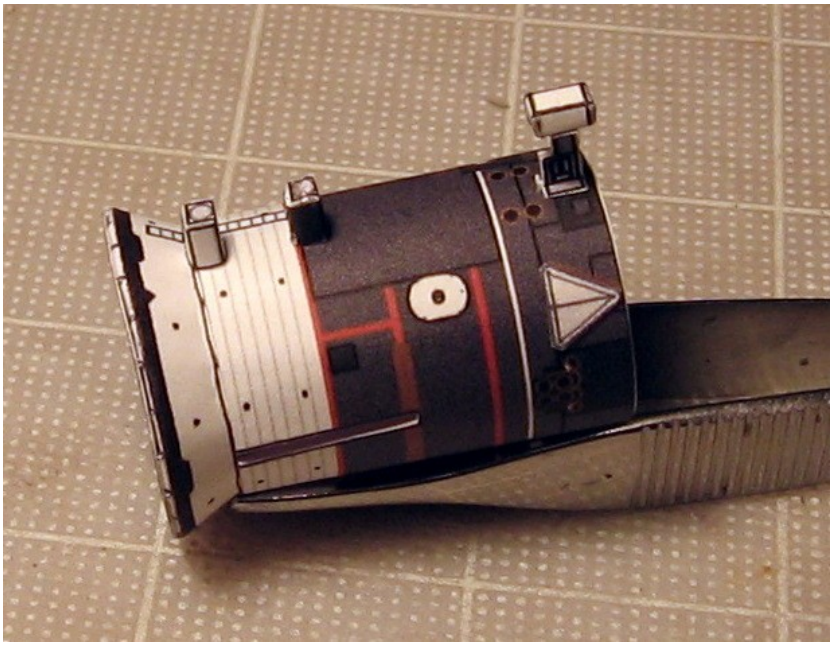


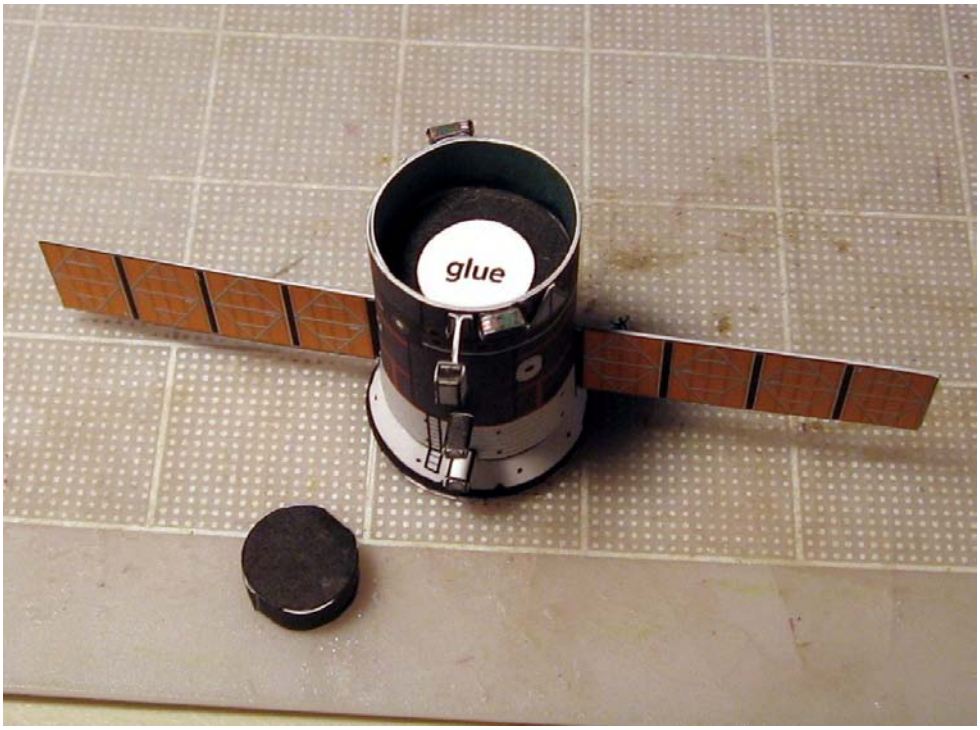


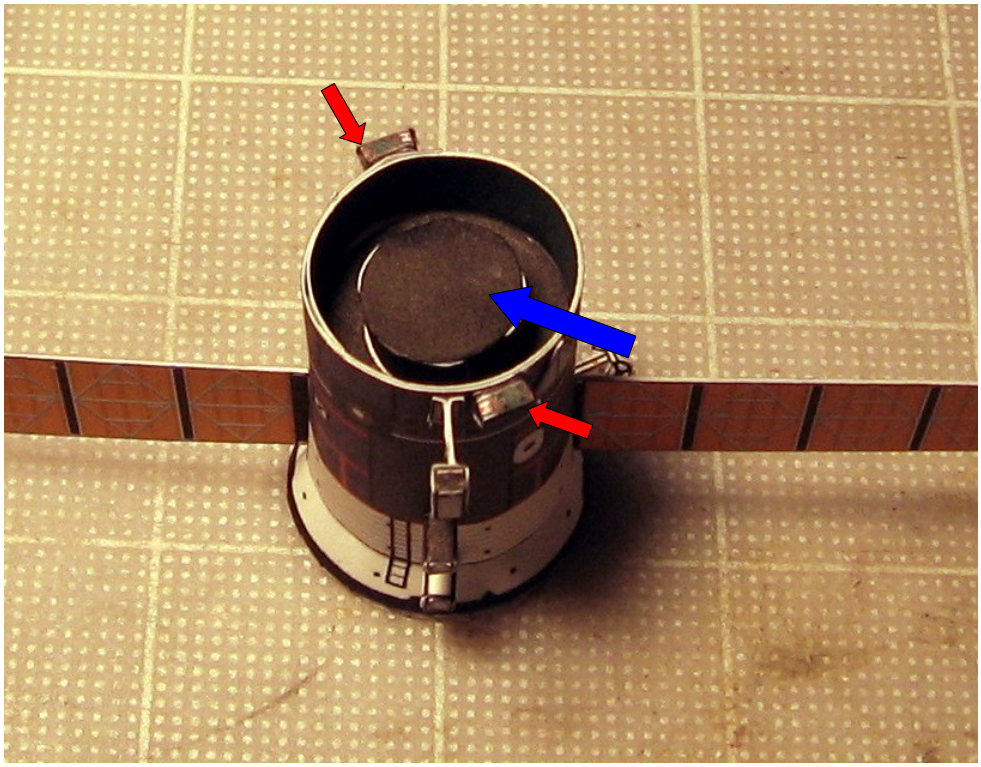
Do not glue docking probe on top and docking cone on bottom

Building the Progress propulsion module

The red arrow shows the green internal ring inside the propulsion module.
The blue arrow points to the enforcer which is glued from the bottom of the module.
The second internal ring (not shown here) will be glued on top of the enforcer so this can stay in place. (green arrow)







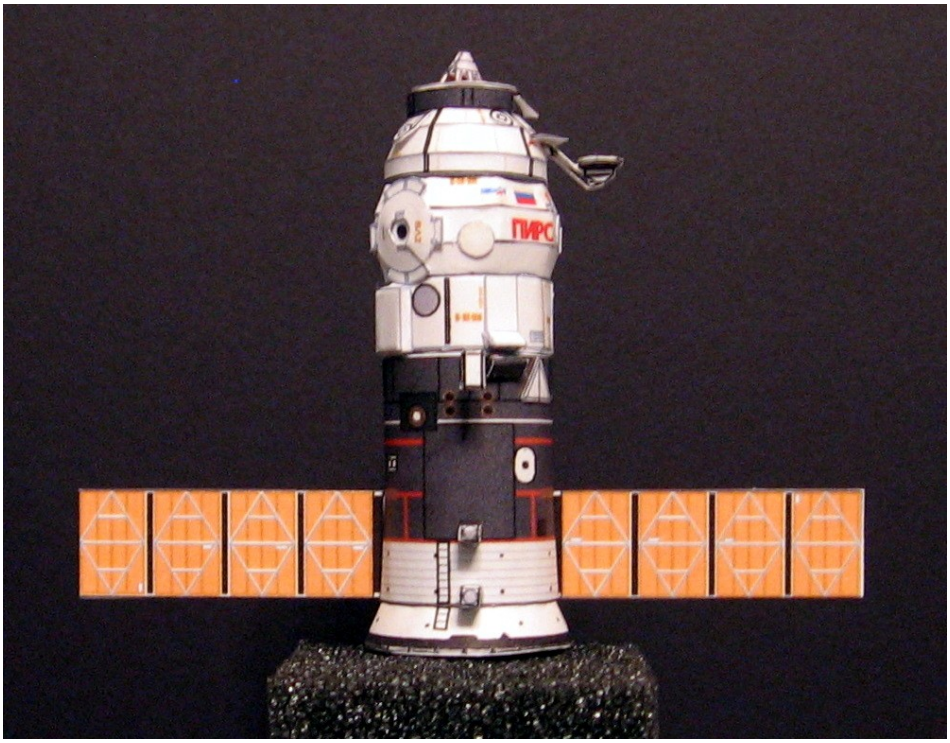
The blue arrow shows where PIRS or POISK will be attached to the propulsion module. Also the small rectangular structures with black and red dots need to match similar ones from PIRS or POISK.

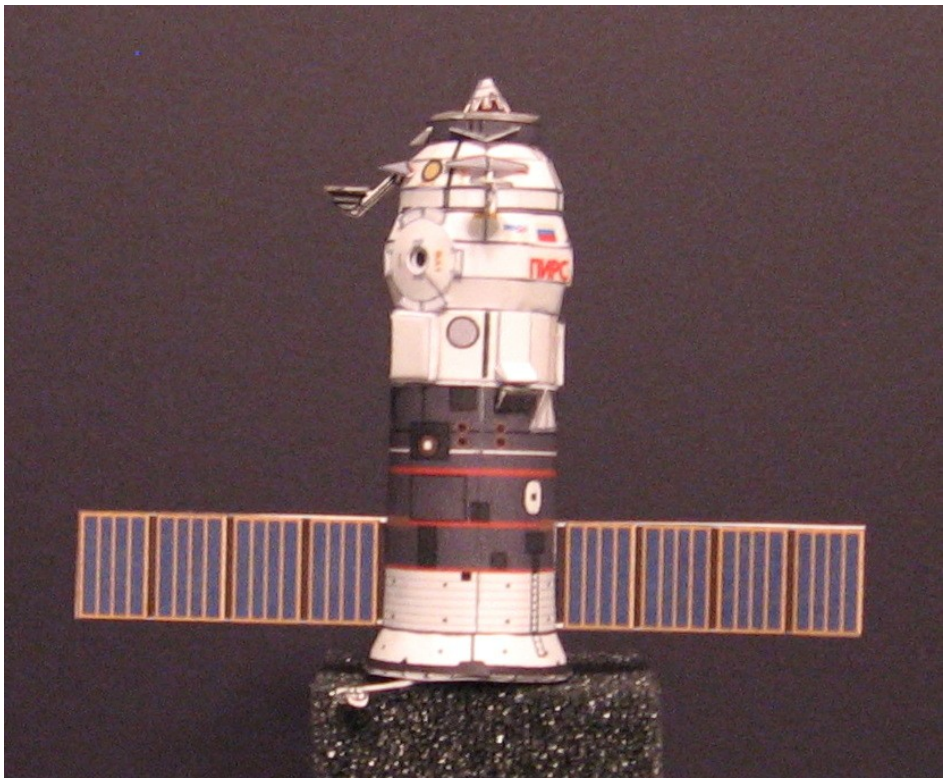
Glue rest of the antennas and docking target

PIRS

The antennas and docking target have not been glued to this model

POISK


ПИРС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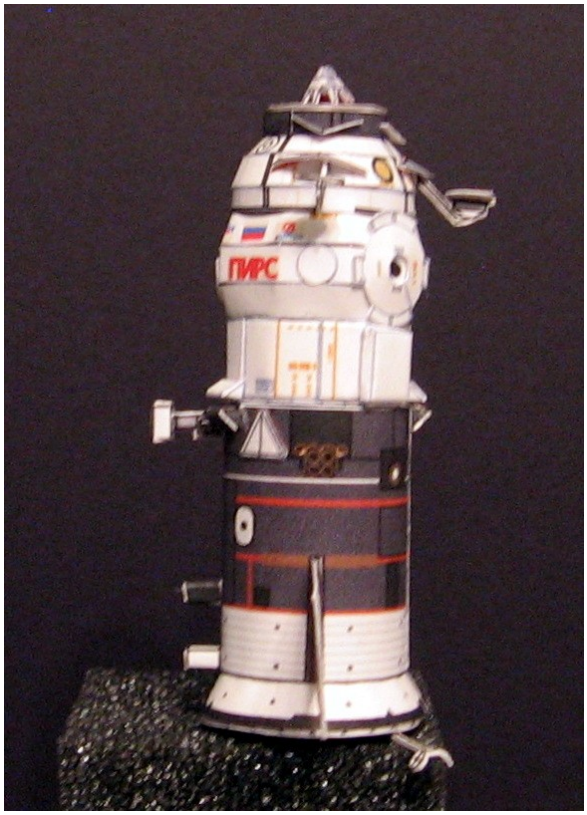
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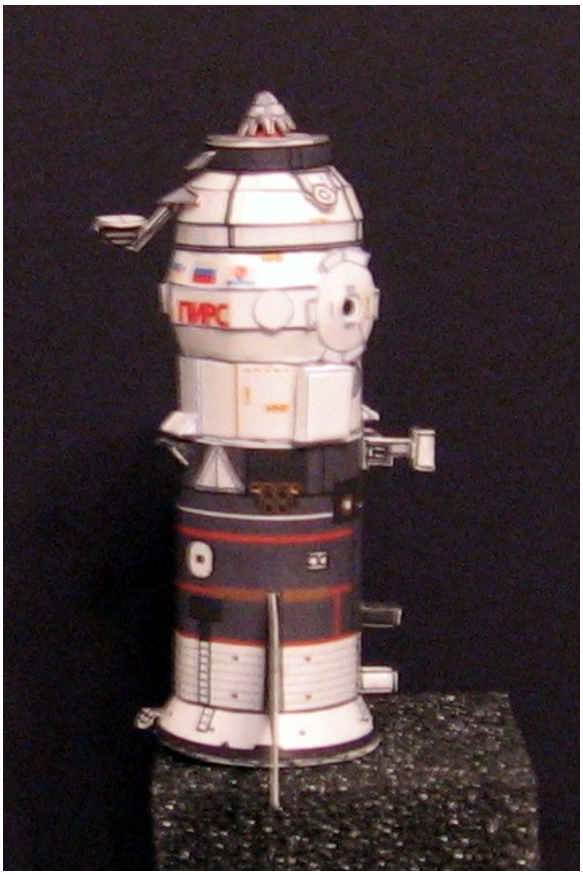
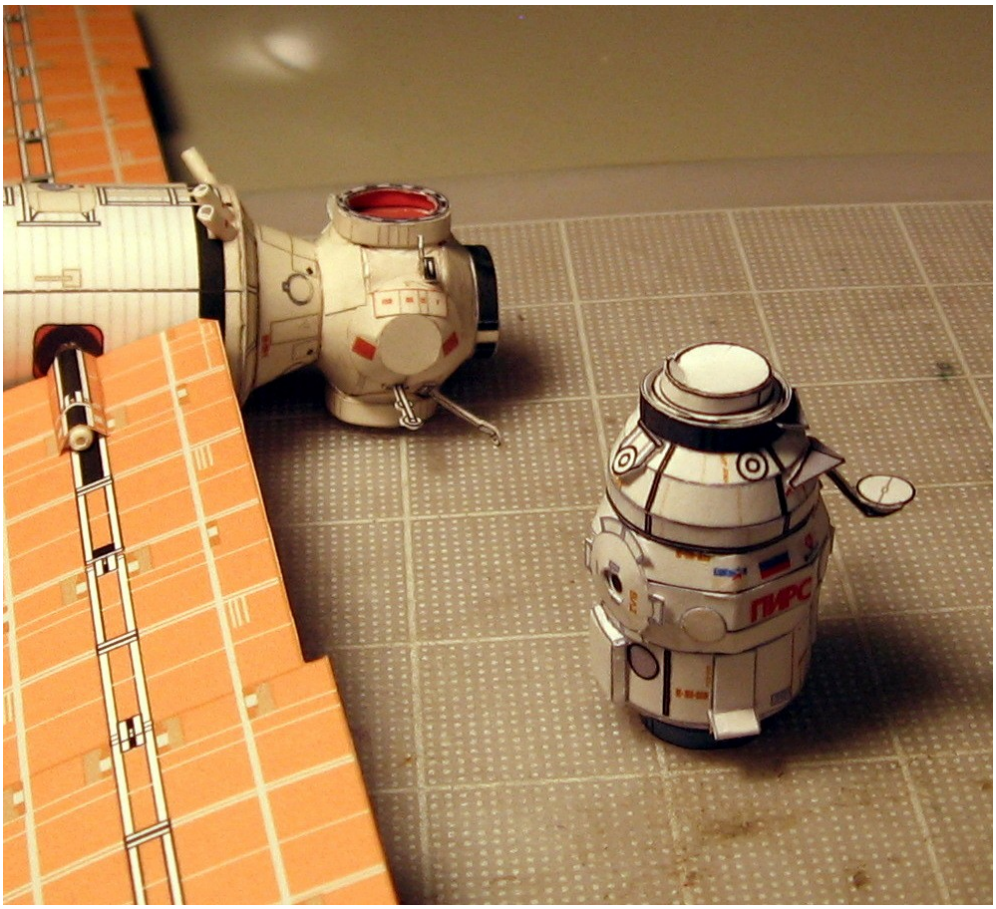
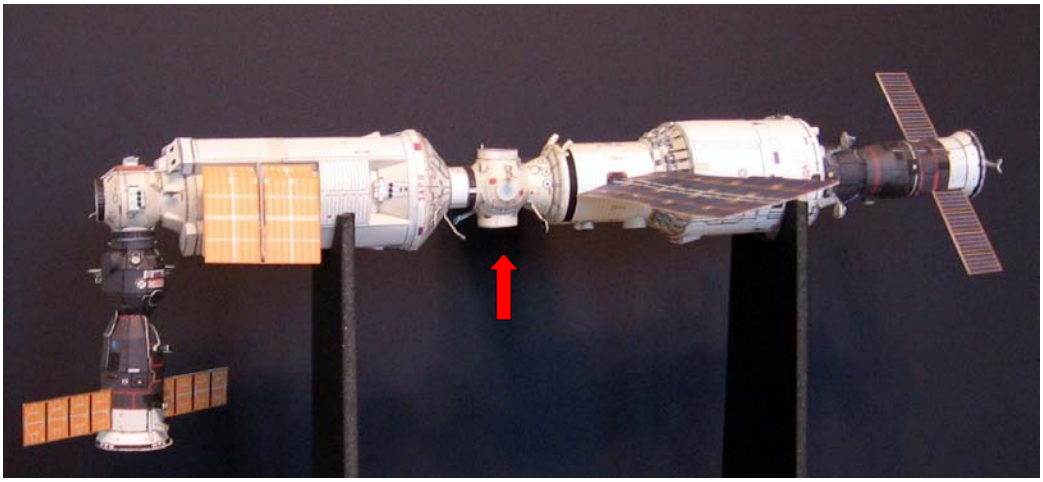
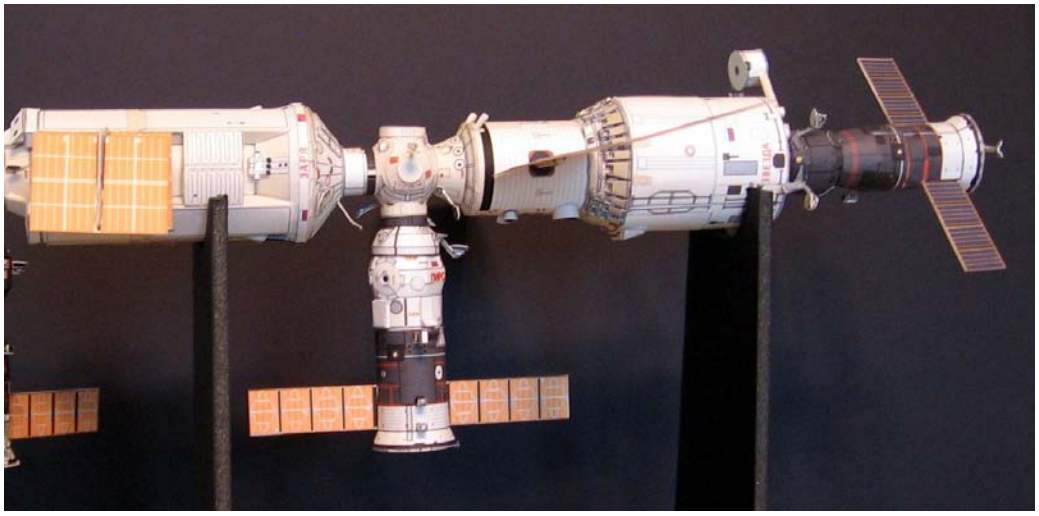
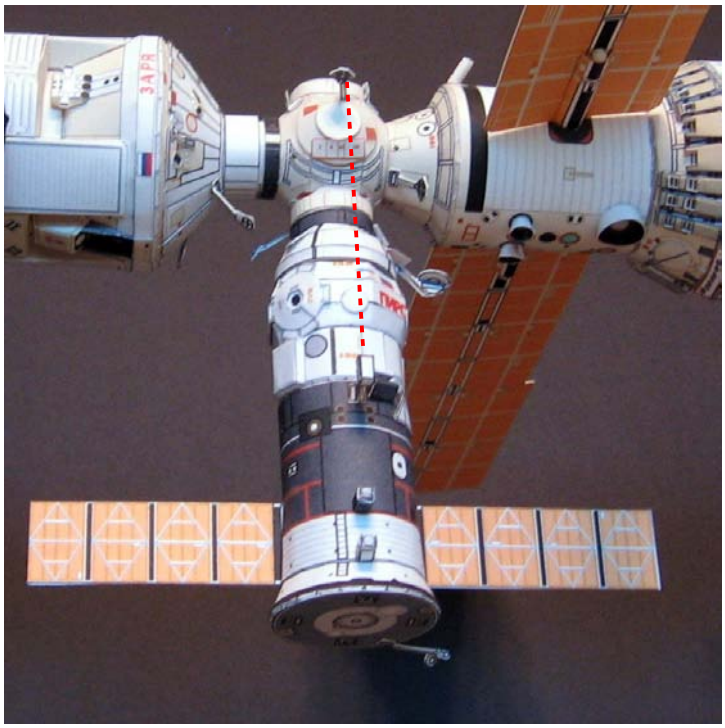

ПИРС

Docking PIRS to the nadir port of Zvezda (bottom port or Earth-facing port)

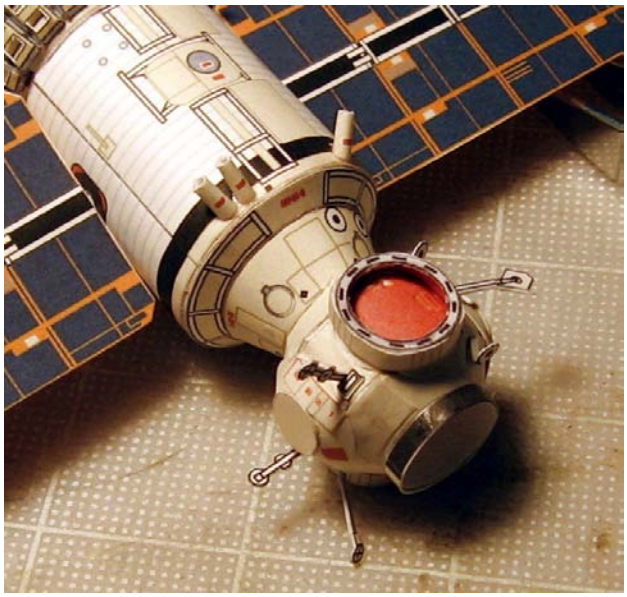


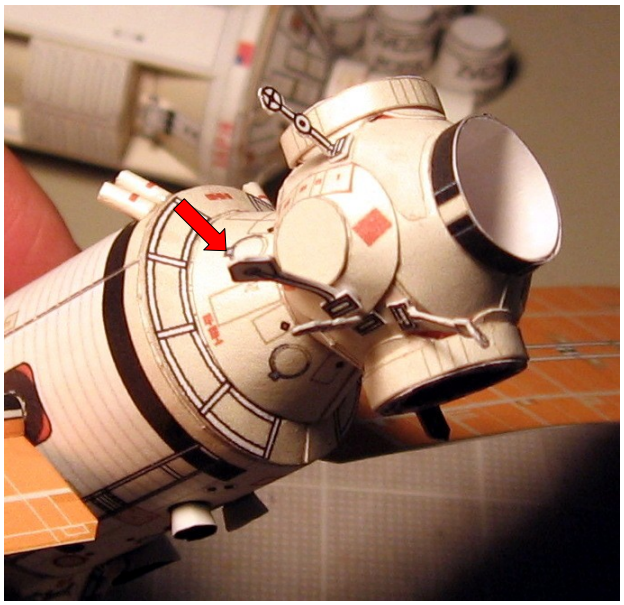


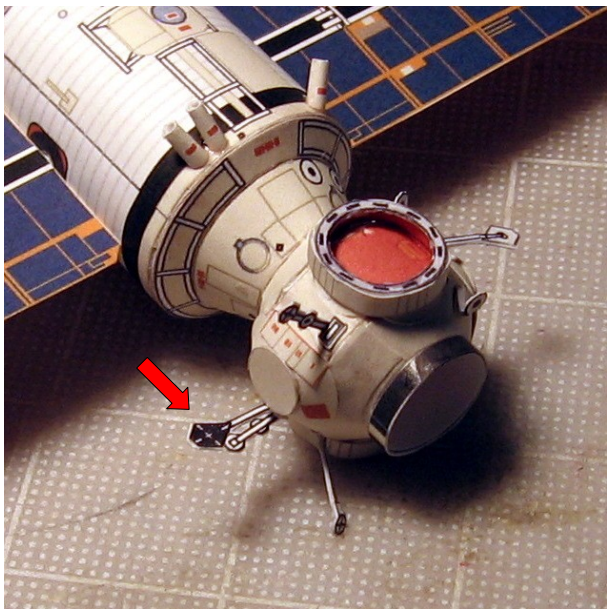


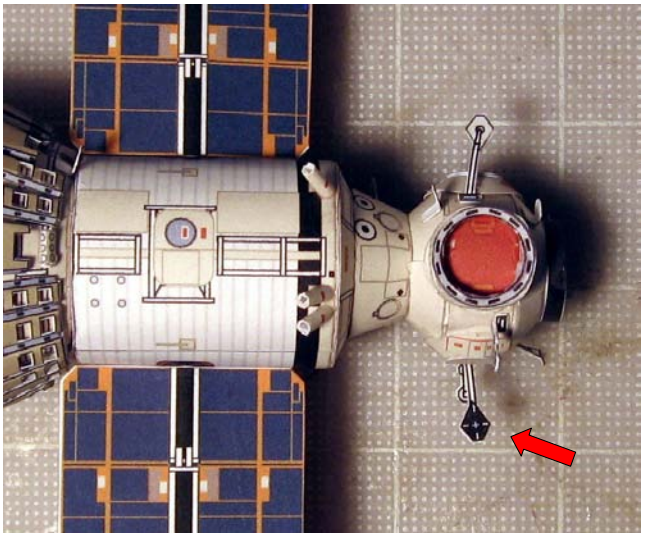


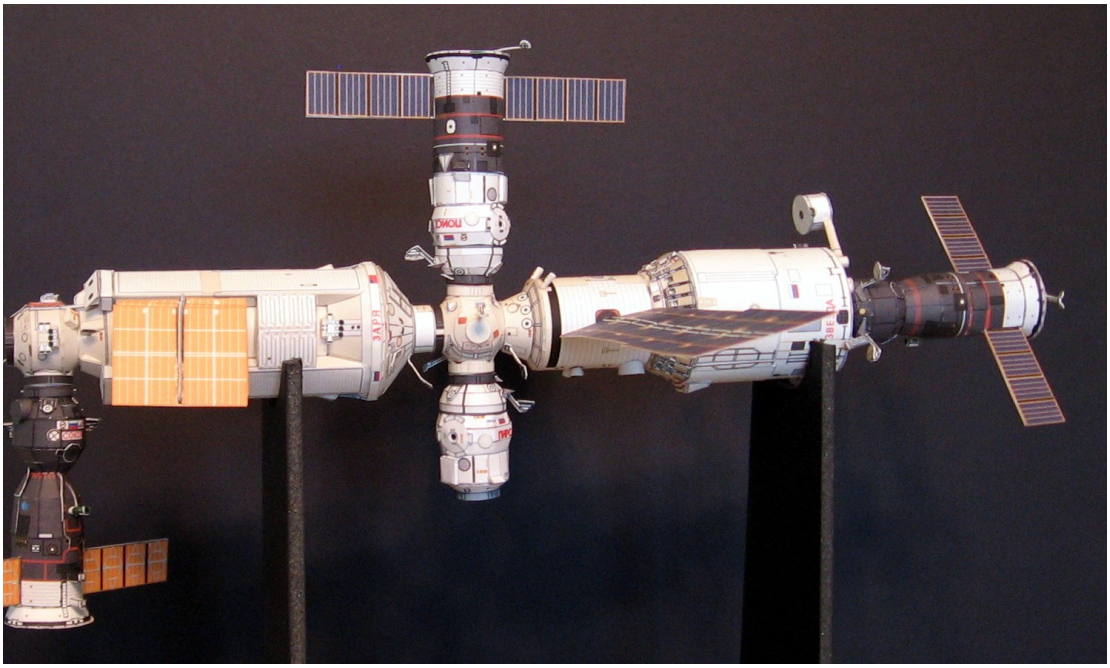
Docking POISK to the zenith port of Zvezda (upper port): adding the docking target

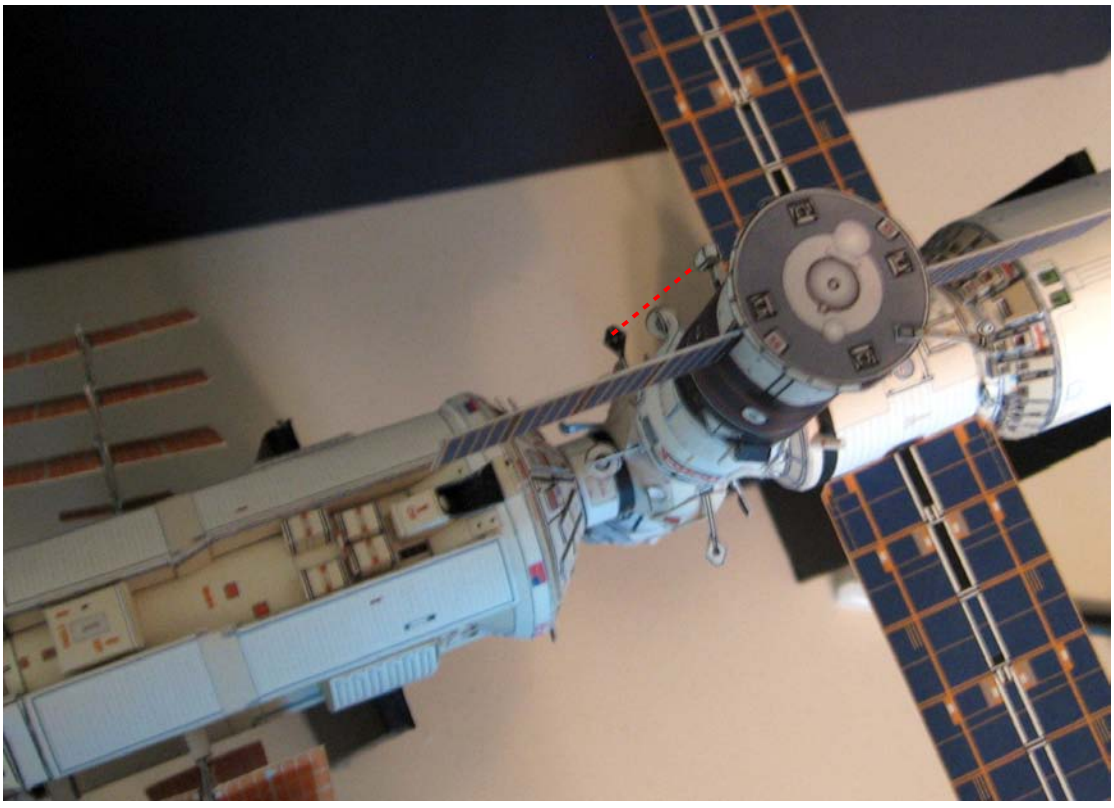




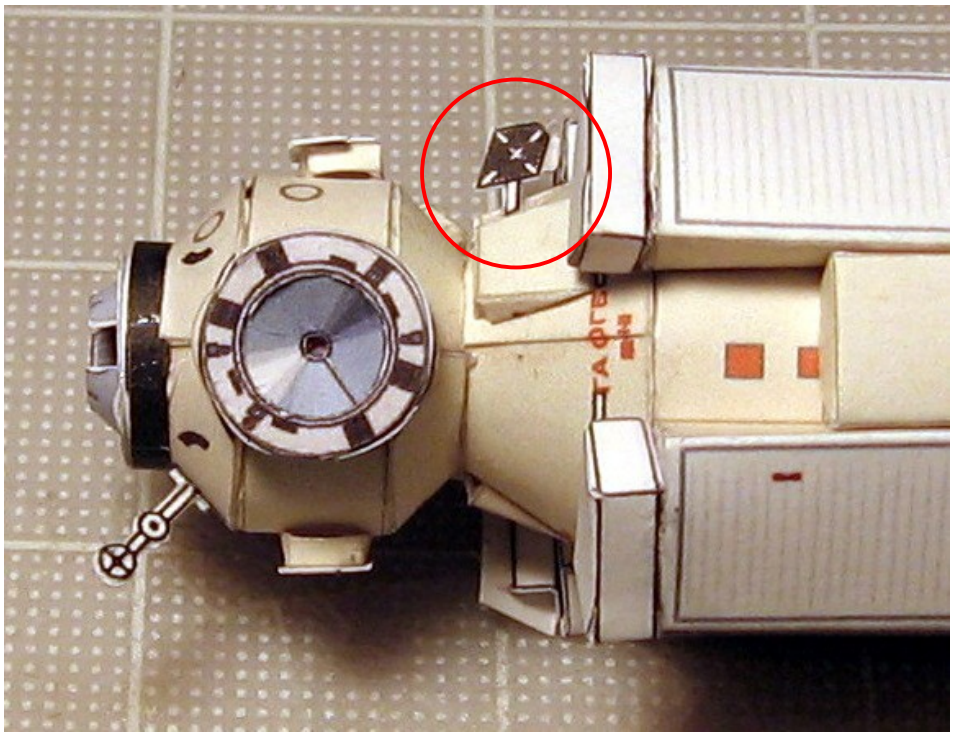


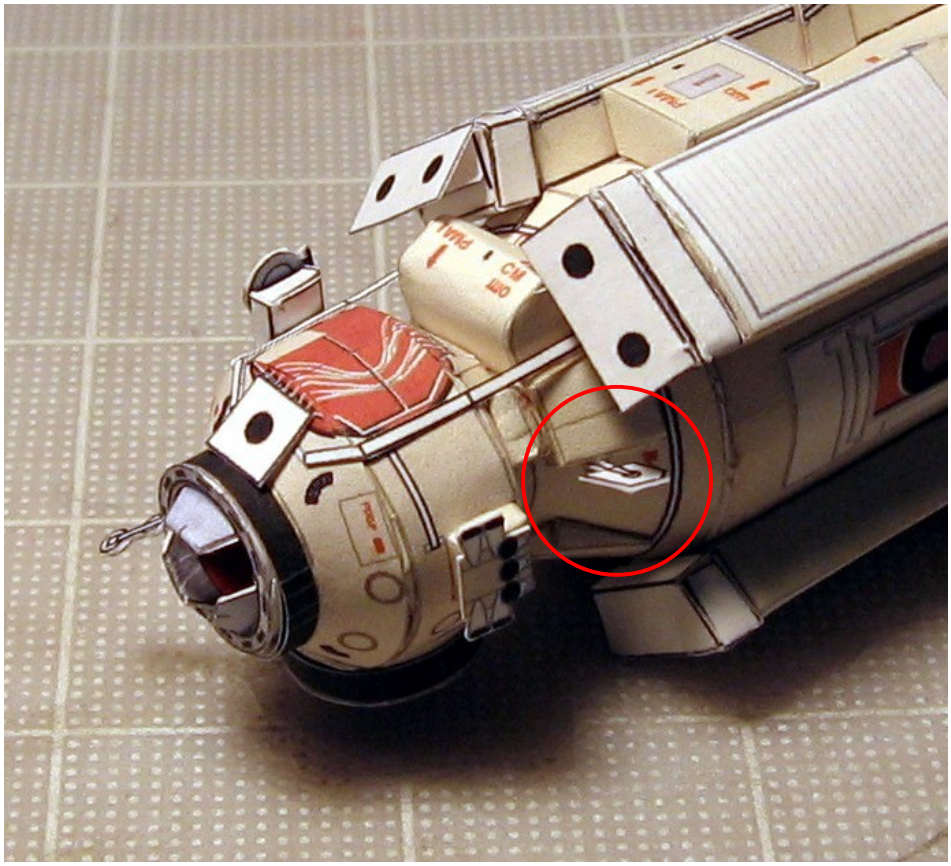


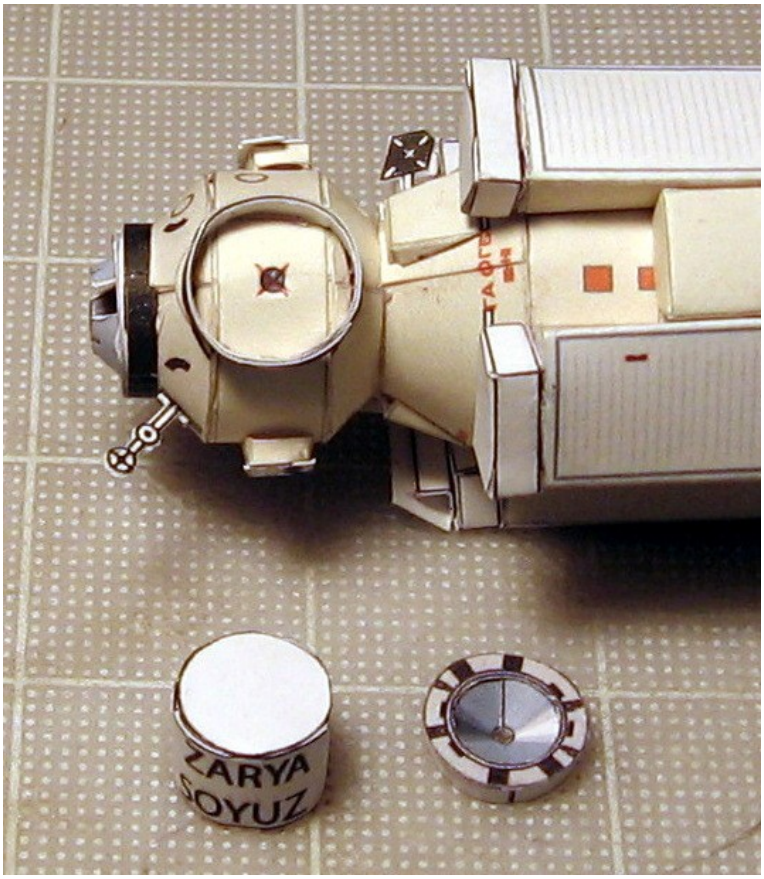


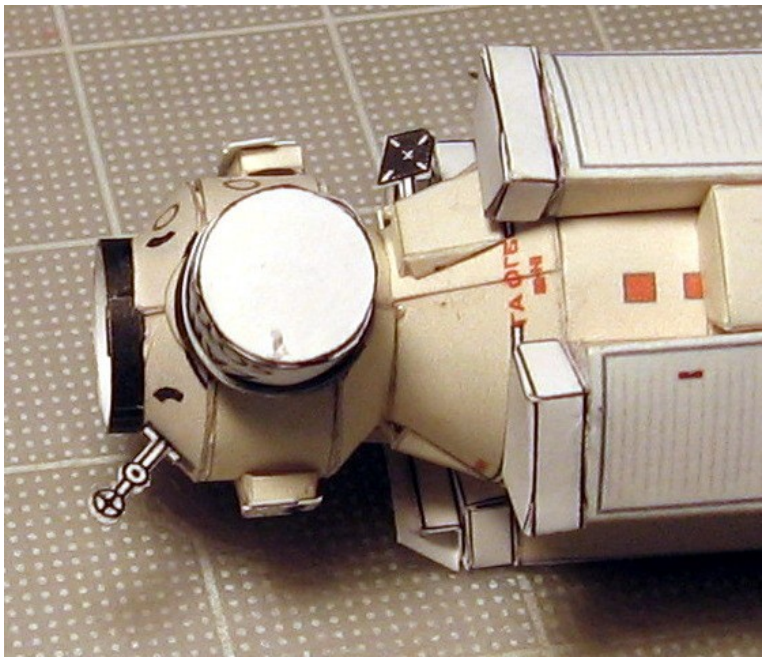


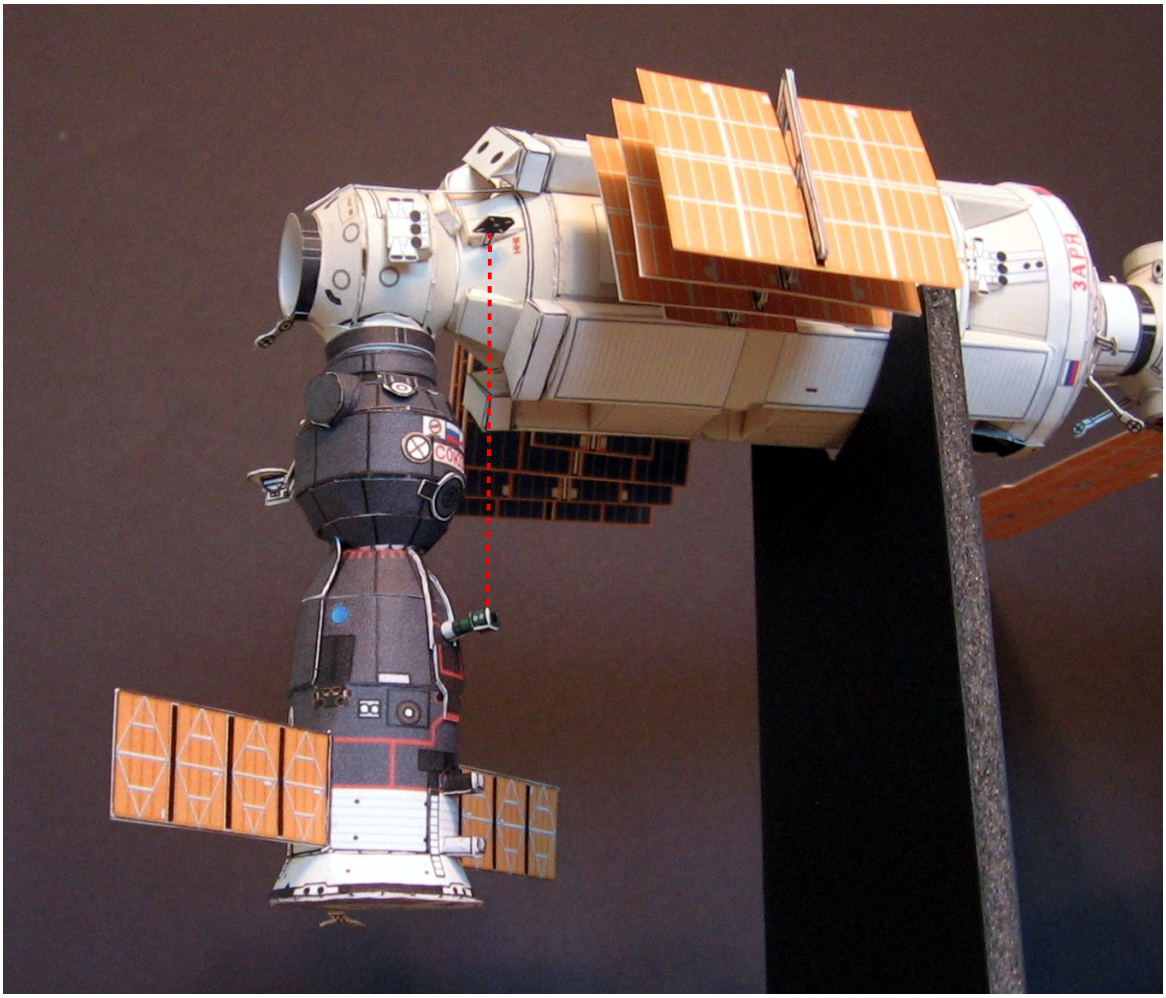
Docking Soyuz and Progress vessels to ZARYA, PIRS, and POISK

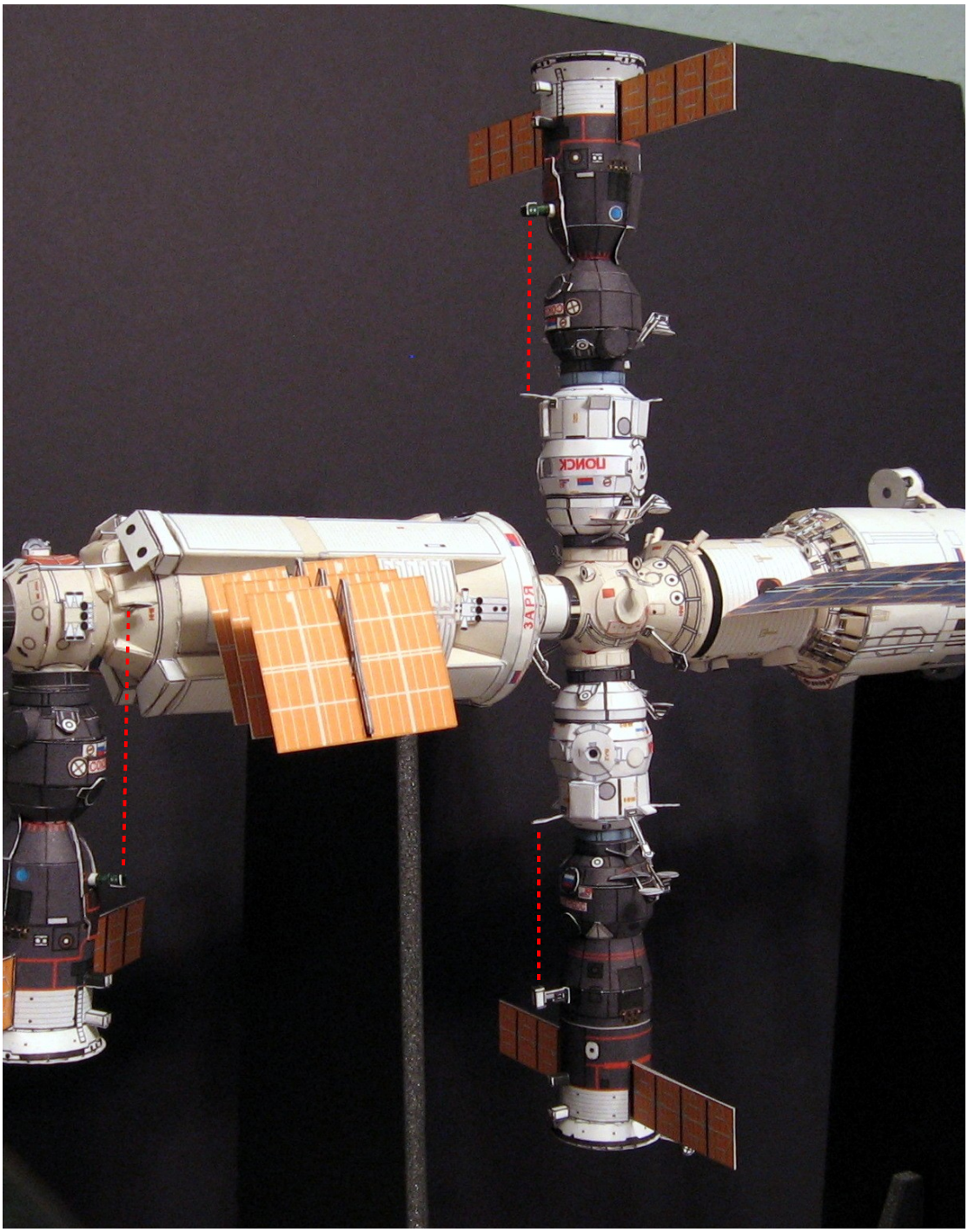





ZARYA
SOYUZ




ЗАРЯ



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