

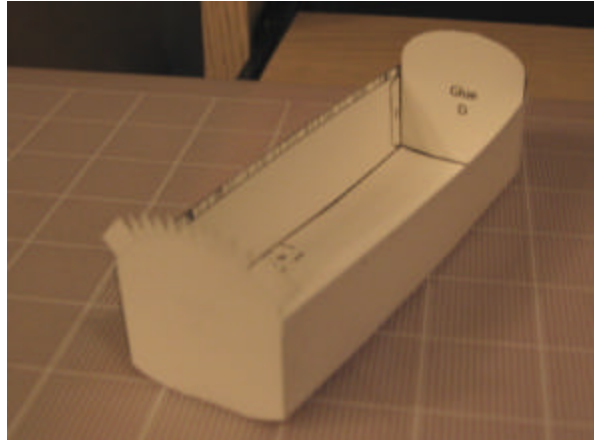
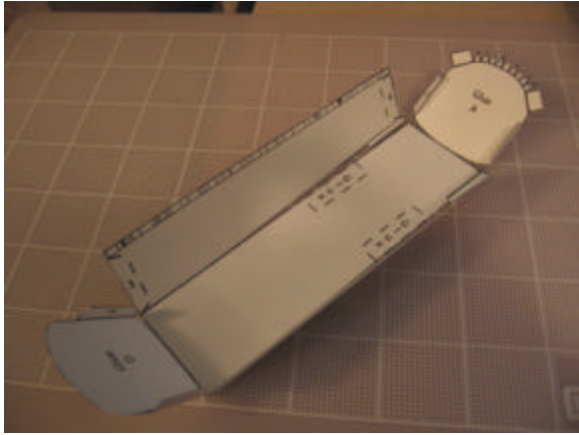
1:144 Space Shuttle Paper model Assembly



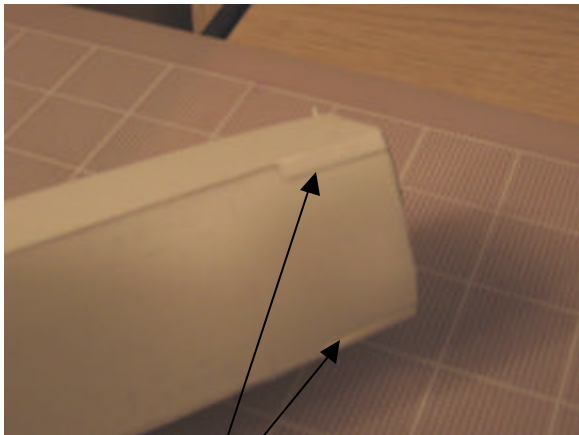
You need: White glue, a craft knife, ruler, tweezers, a cutting mat, and very, very important.....PATIENCE.

For beginners is best to learn basic techniques for papermodeling before this assembly. You can check in the Internet.

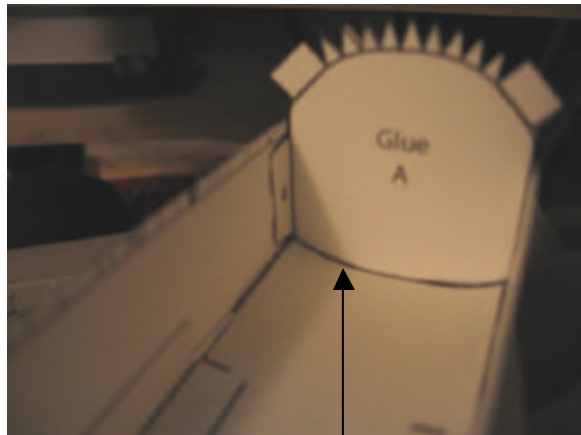
The following pages show a sequence of photos as a guide to build this model. This applies to all **closed-payload bay Shuttle models**.



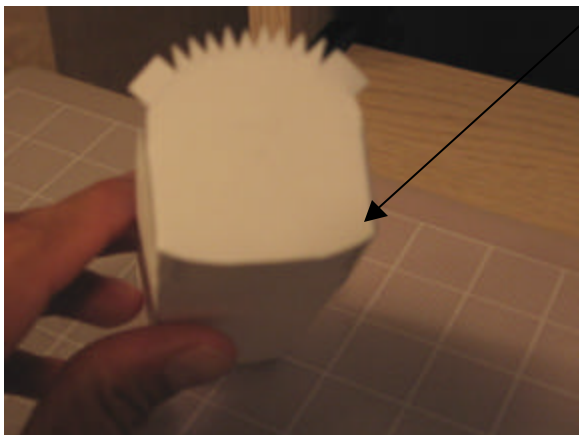
The payload bay box is a key element. Glue the numbered tabs with the correspondent numbers in the dashed areas.



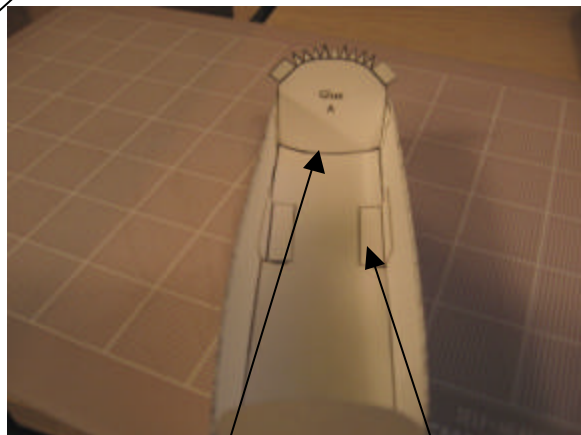
These tabs secure the front bottom.



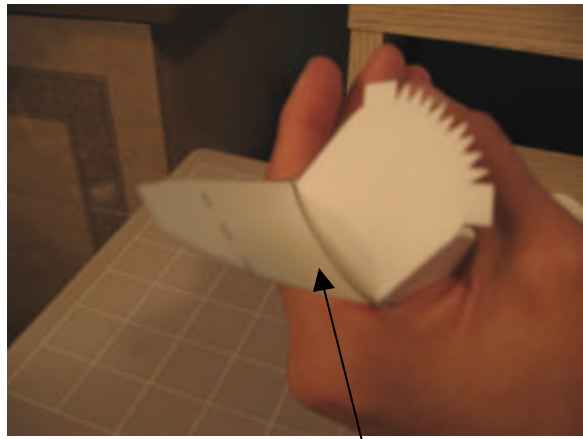
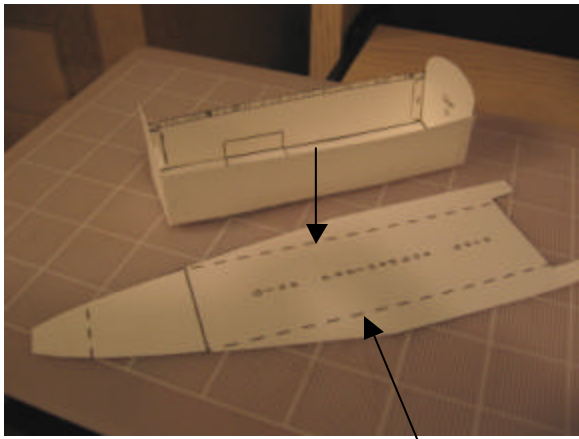
This is how it will look when correctly glued.



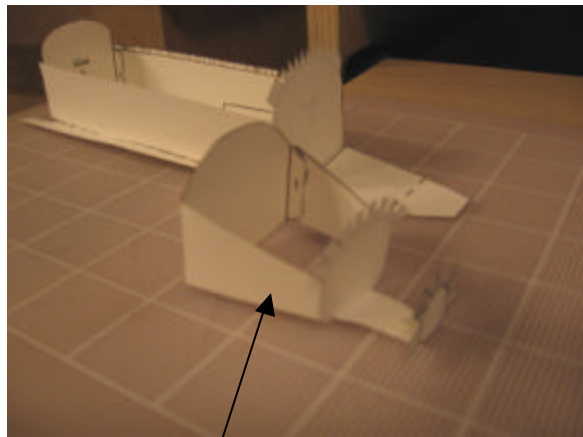
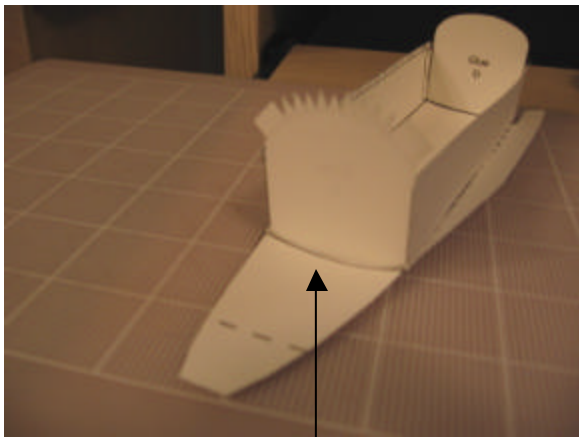
Note the curved front bottom. (This is key)



Reinforcers

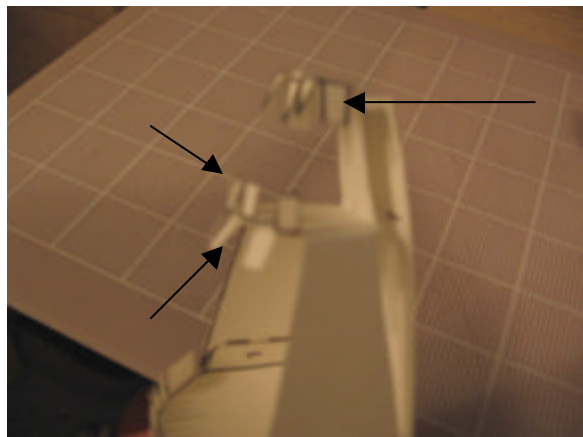
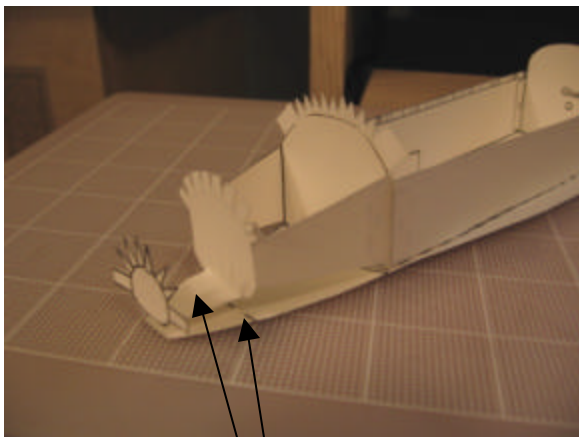


Glue the payload box on top of this part. Make pressure to form a curved front bottom.



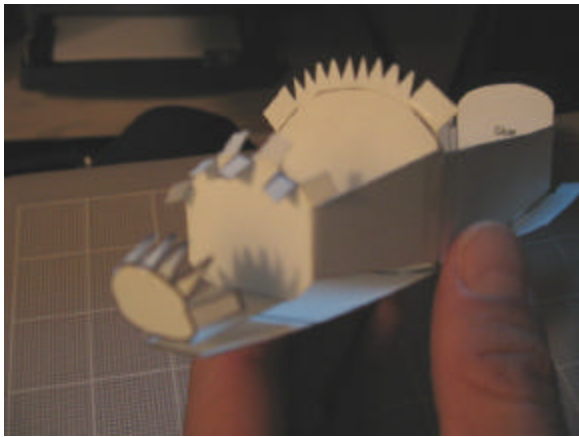
This is how it will look.

Prepare this structure that will give shape to the crew cabin.

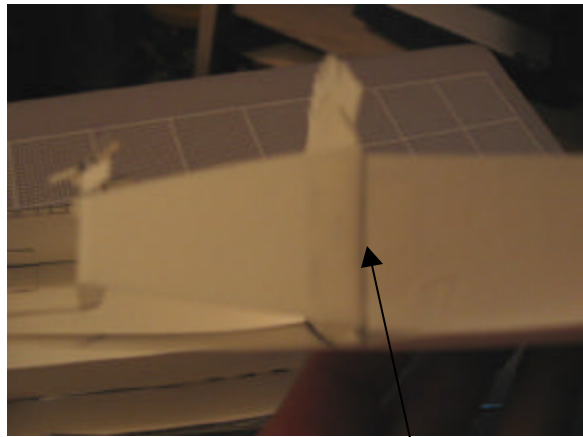


These 2 parts are never glued. They will "float" on top of the other

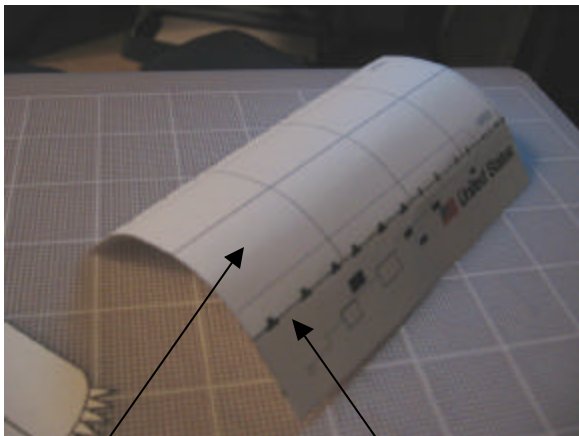
Note how the small tabs are folded. The front ones are folded backwards and the center ones will be opposite to each other.



This is how it will look.

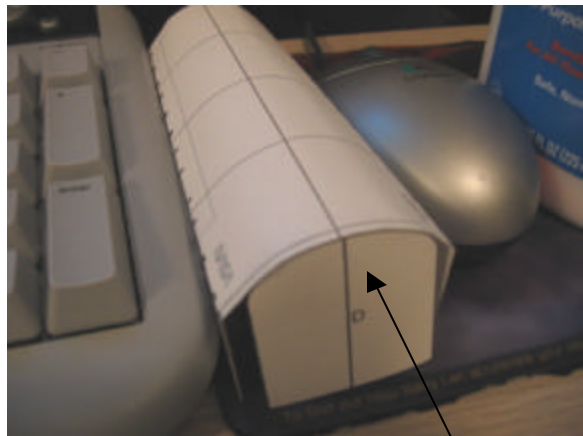


Crew cabin and payload box need to be glued perfectly as photo show.



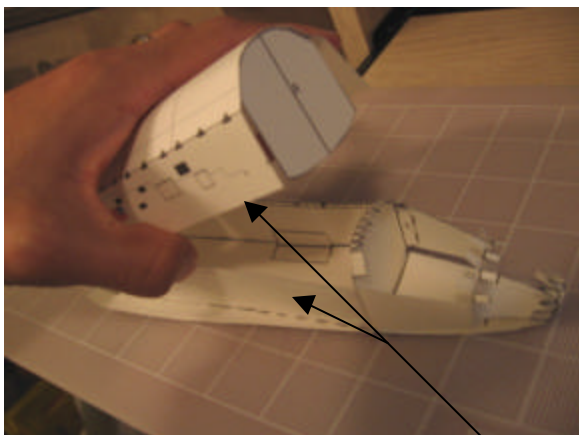
Give a curved shape to this part.

The walls are folded on this line.

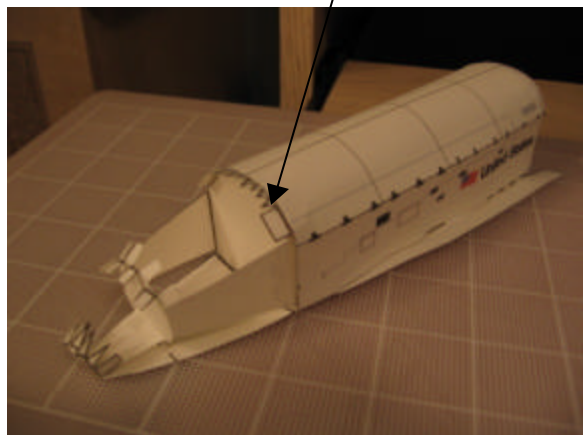


Align the lines for symmetry.

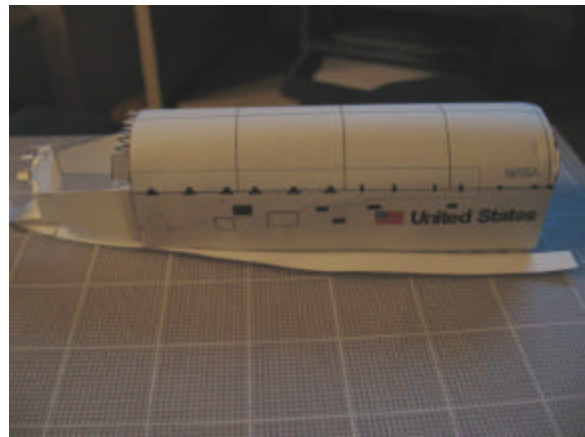
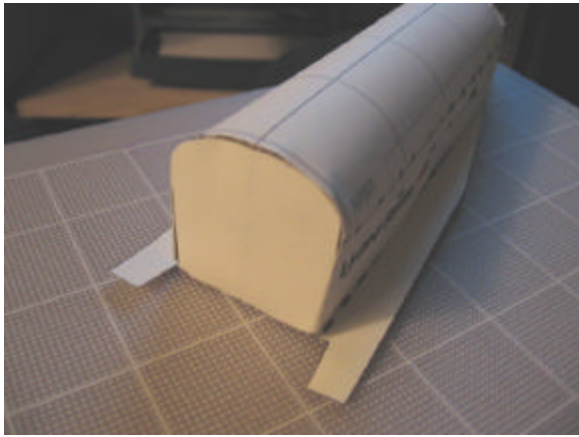
Fold tabs towards the front.



Glue both ends A and D.

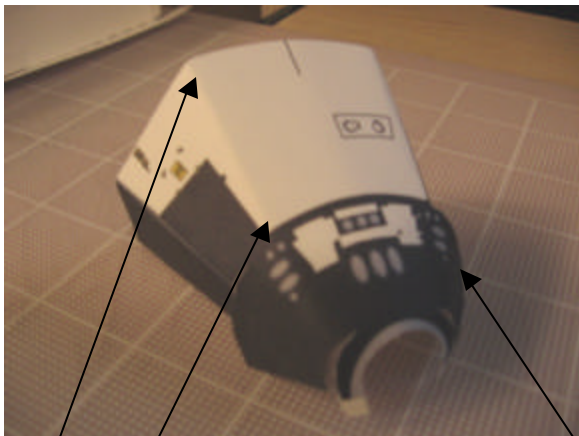


The walls need to be glued too. Let it dry.

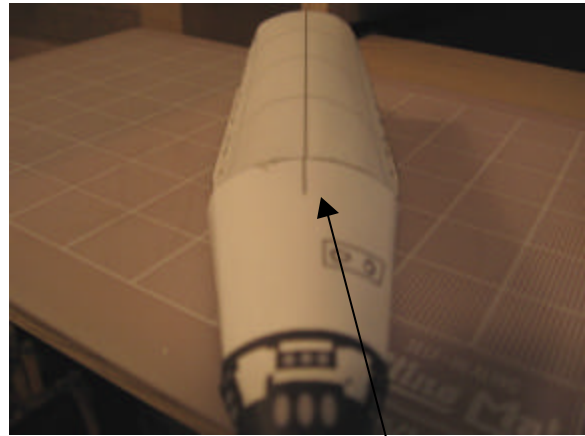


These are other views of this step.

Now lets prepare the Shuttle cabin!

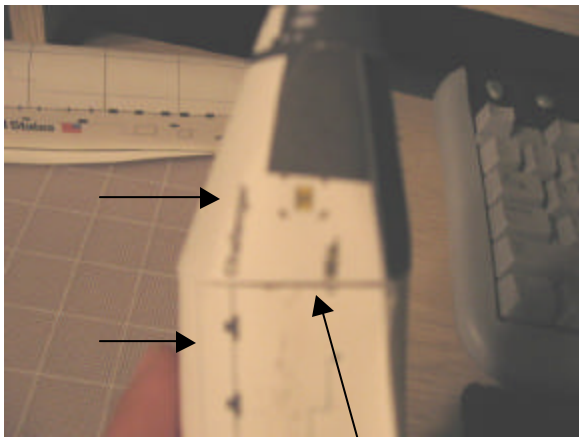


Fold between these 2 points.
Note that the walls are flat straight. Only the upper section is given a rounded shape.

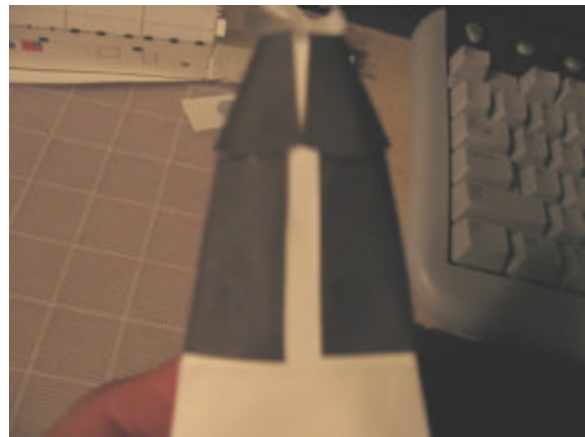


This area is curved.

Align the lines for symmetry.



These 2 parts need to touch in the line.



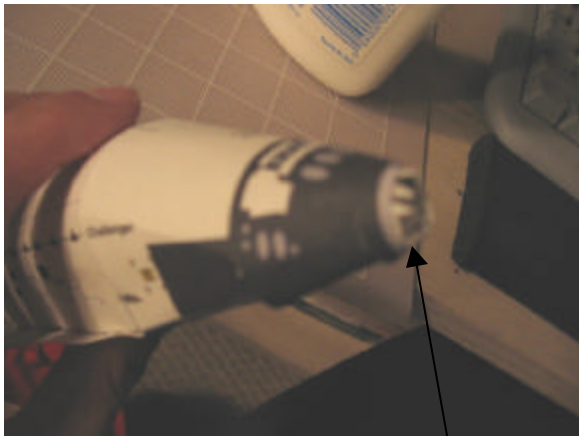
How it looks from below. Note that the black flaps will not touch each other.



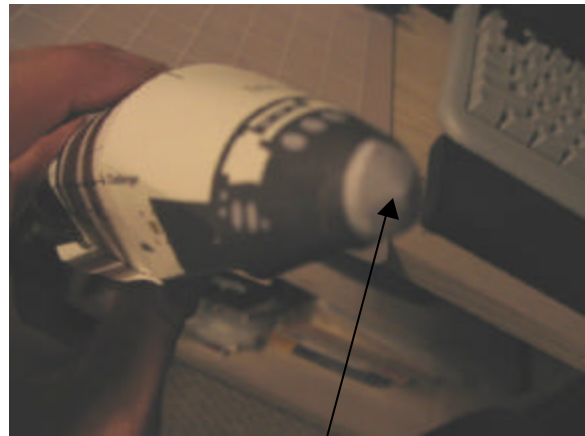
Give shape to the nose.



Insert the small piece with the small tabs folded outwards.



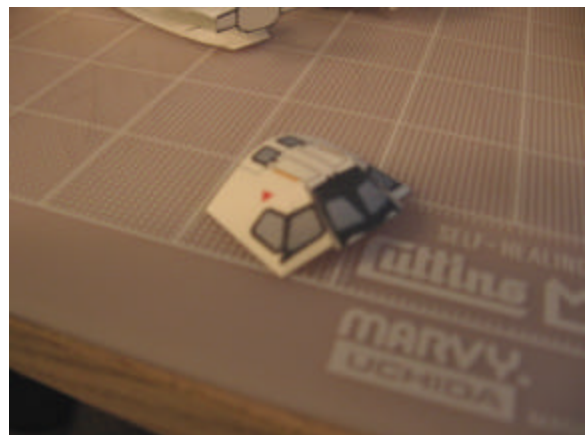
Close this part with the "teeth" protruding outwards.



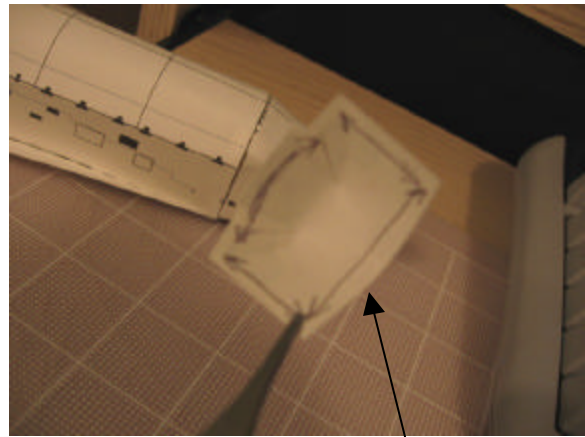
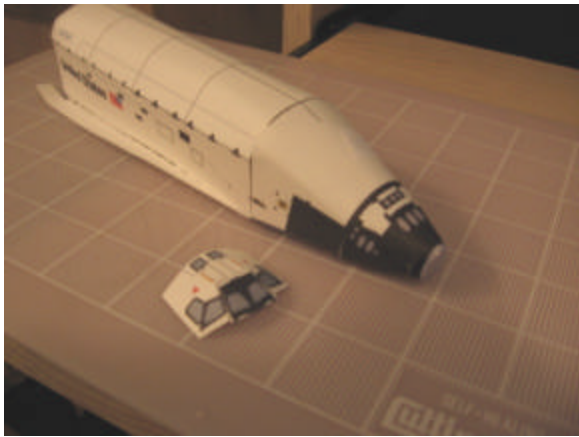
Glue the nosecap covering the teeth.



Bend the lateral windows inward and glue to the tab.



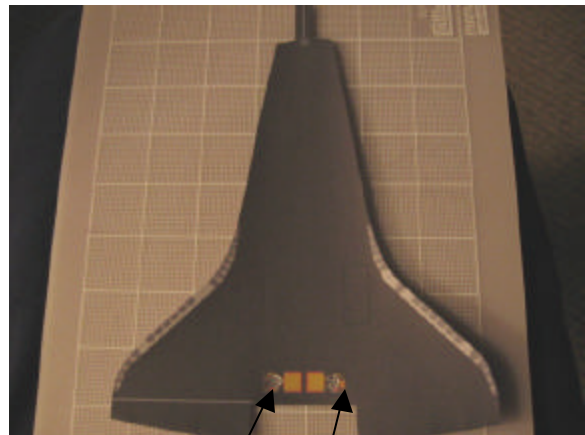
This is how it will look.



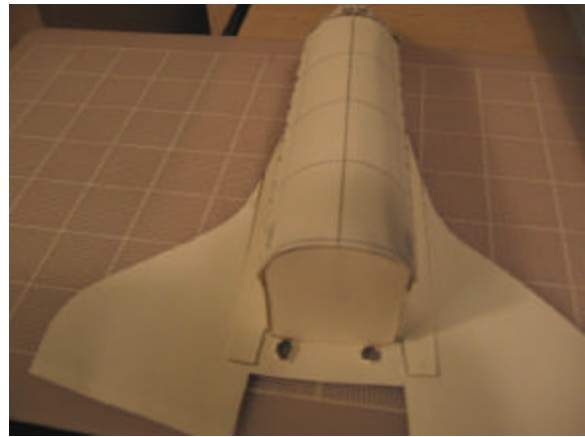
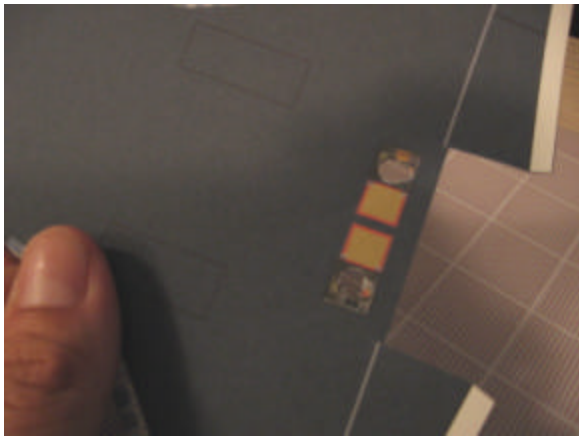
Glue the indicated areas only.



This is how it will look.



Prepare the belly section by cutting the 2 holes.

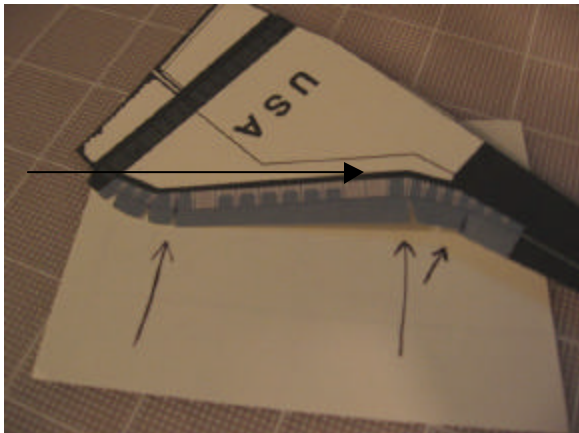


Glue the body on top of the belly section leaving the holes at view.

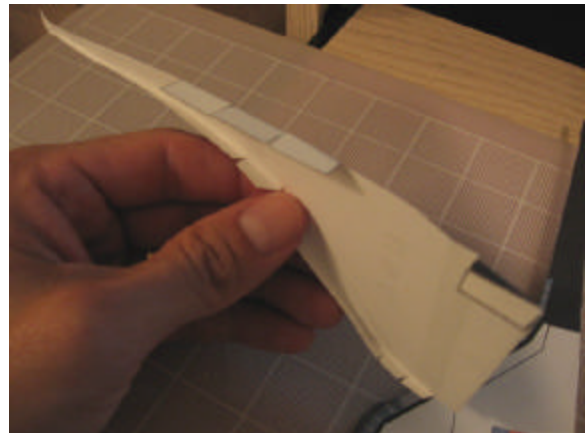


This is how it will look after the belly section is glued.

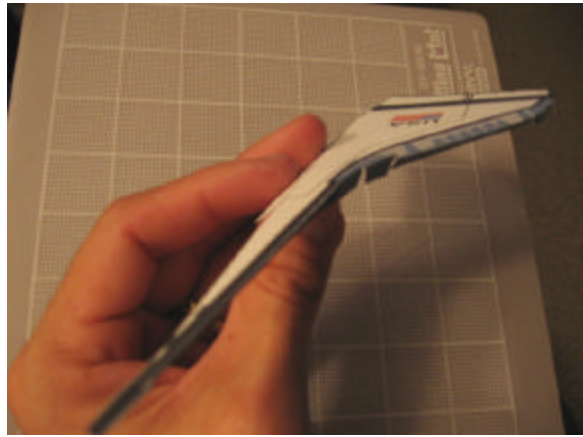
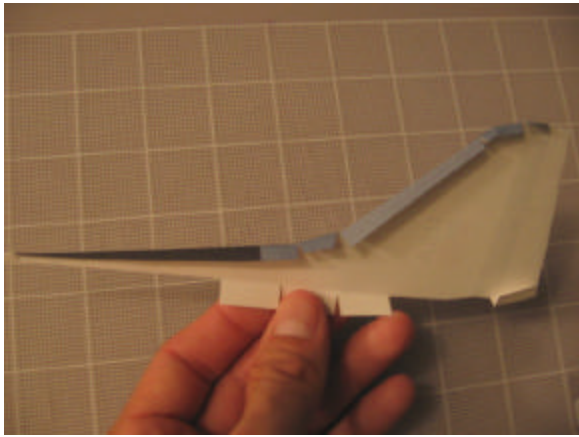
Now ready for the wings!



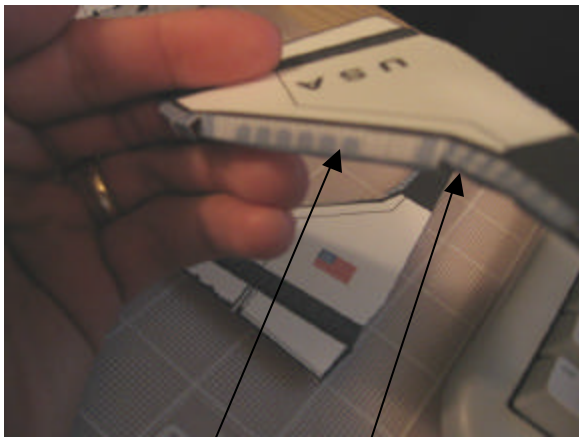
The arrows indicate where to cut in the leading edge of each wing. Cut deep and stop at the black line.



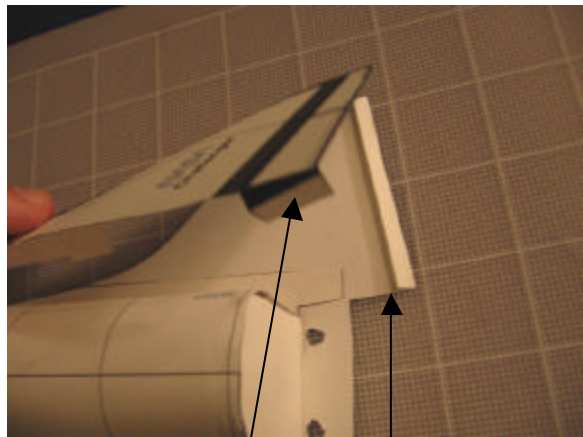
Fold all the tabs along the wing.



Views of the wing and how it will look after all tabs are folded.



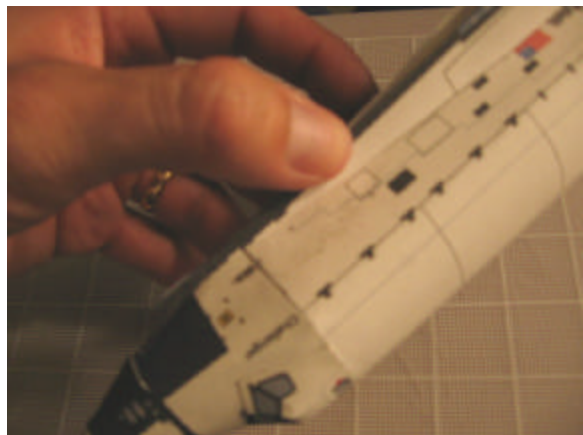
These 2 sections of the wing are bent down.



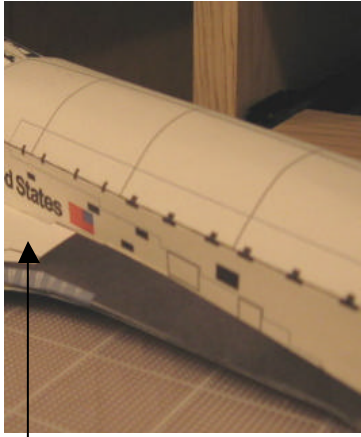
Start gluing this tab and hook it under the flap at the end of the wing.



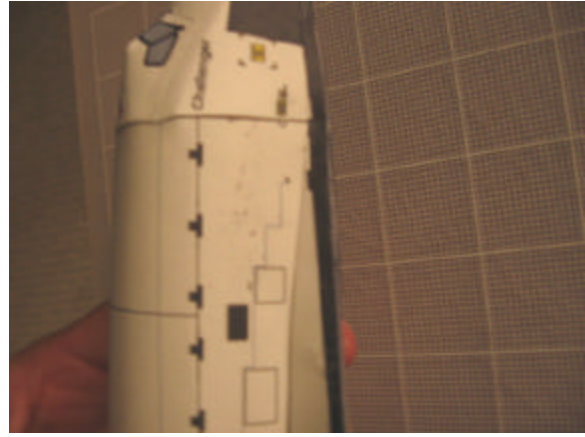
This is how it looks.



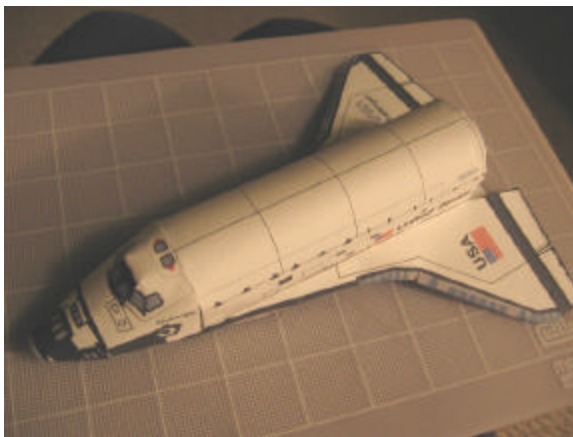
Now glue the front part of the wing.



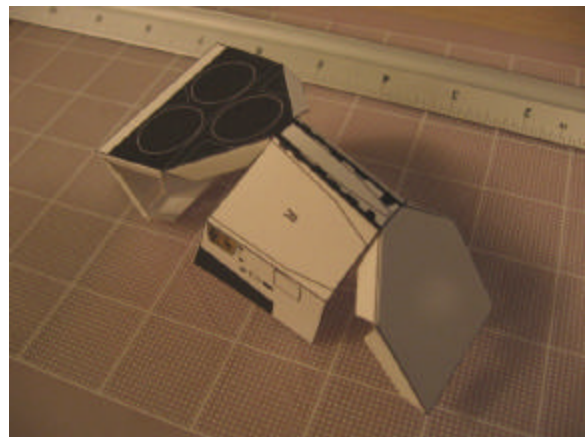
The wing has to be glued below the wall markings.



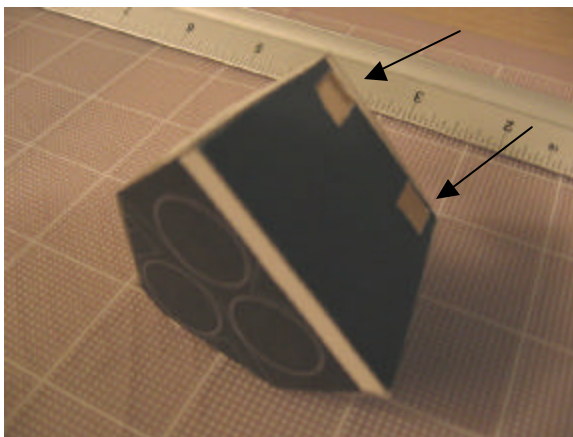
Another view



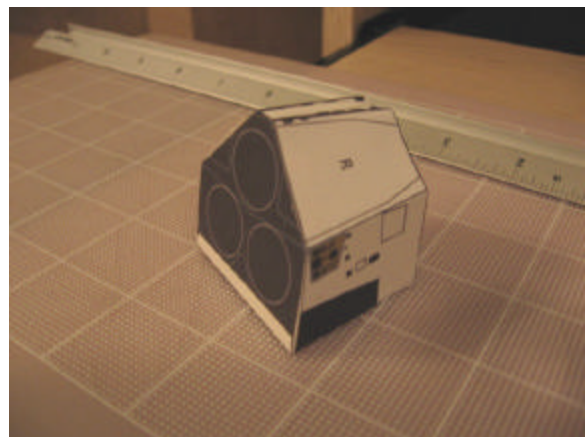
A whole view of the wings glued.



After both wings are attached, prepare the aft section by folding all tabs.



Don't forget to cut out the squares.



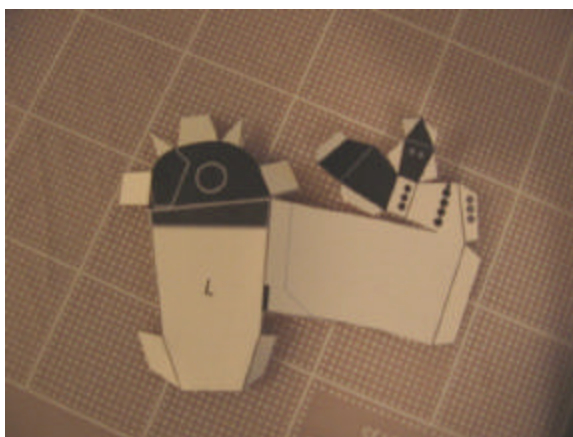
This is how it will look.



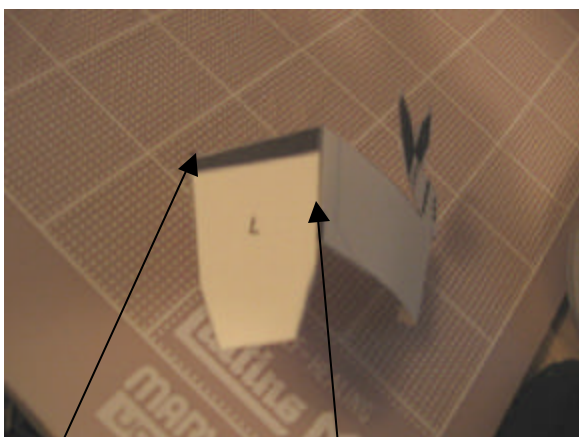
Glue the aft section as indicated.



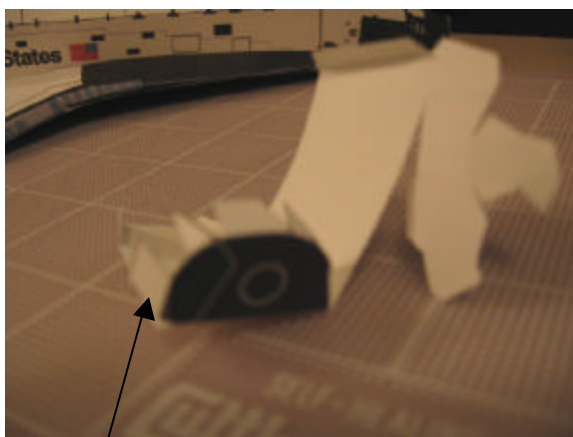
Another view.



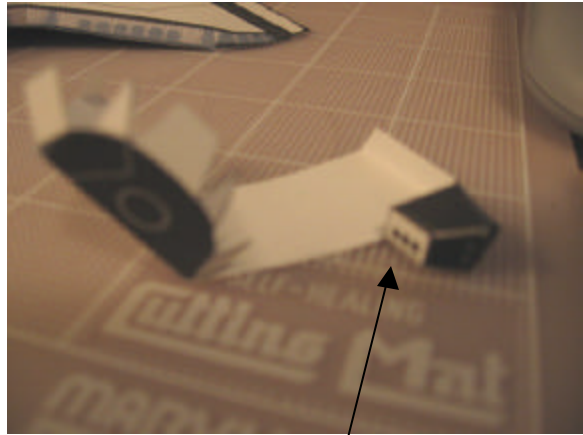
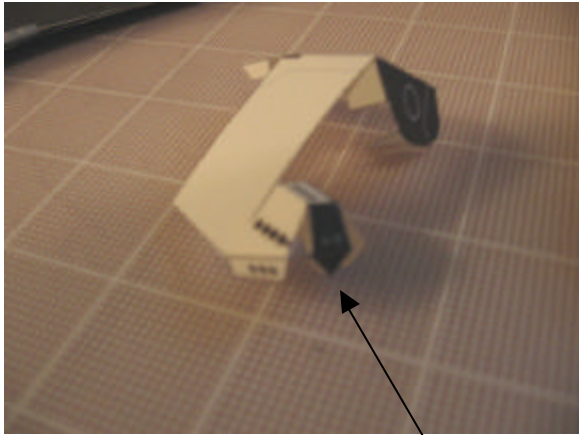
Now prepare the OMS parts.



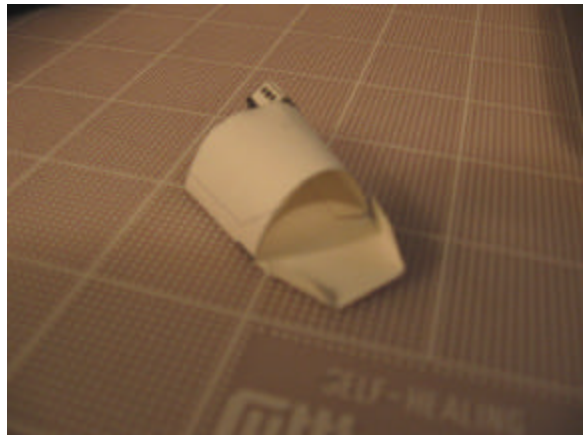
Fold here and here.



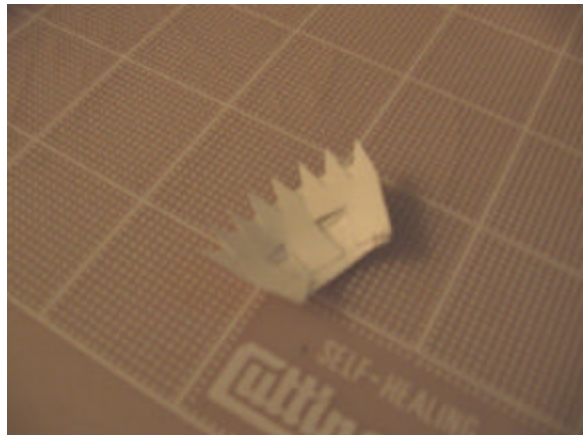
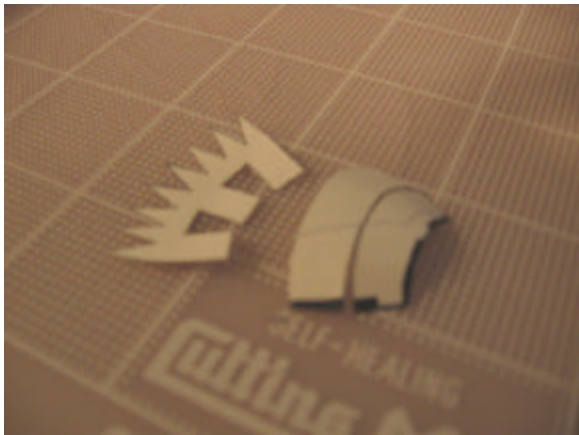
Bend the tabs as indicated.



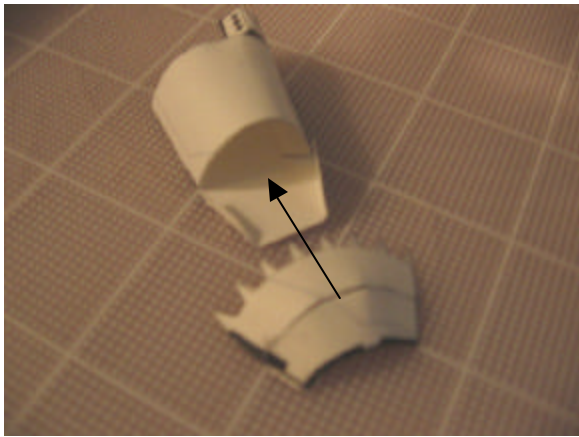
These 2 photos show how the thruster box is formed.



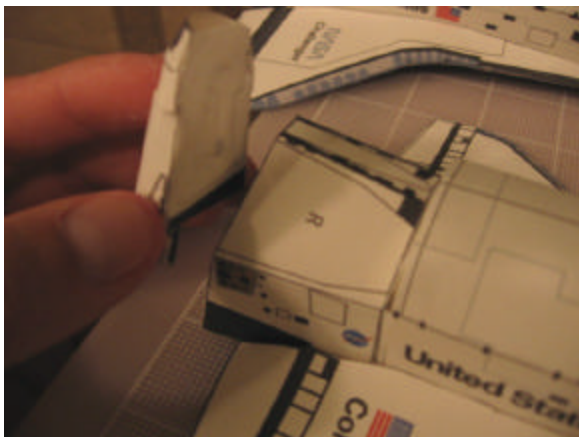
Back and front views



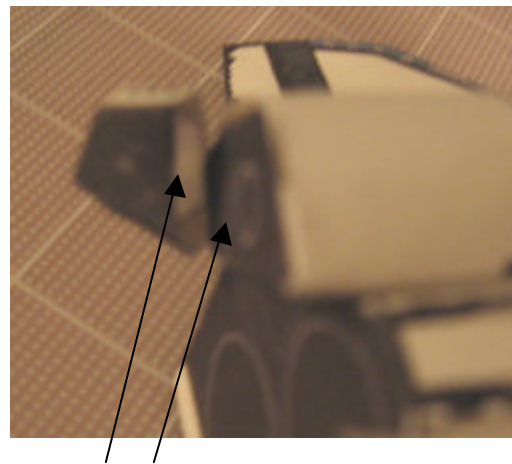
Glue these parts as shown.



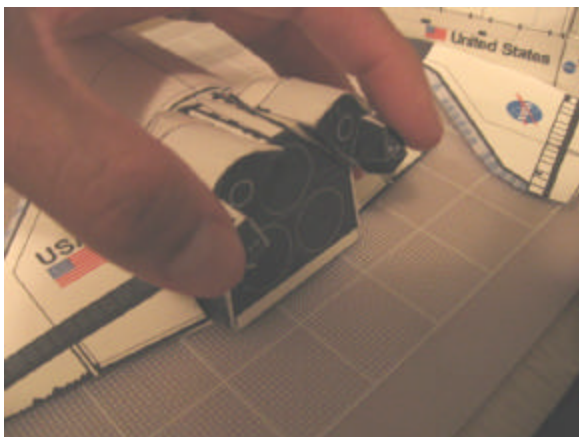
Connect the front part with the rest of the OMS pod. Make it fit.



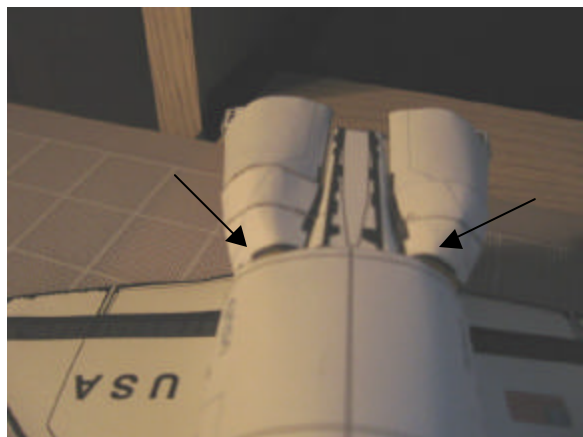
Glue R-R and L-L.



The inner tab has to be glued to the black portion of the OMS pod.



Press and hold to dry.



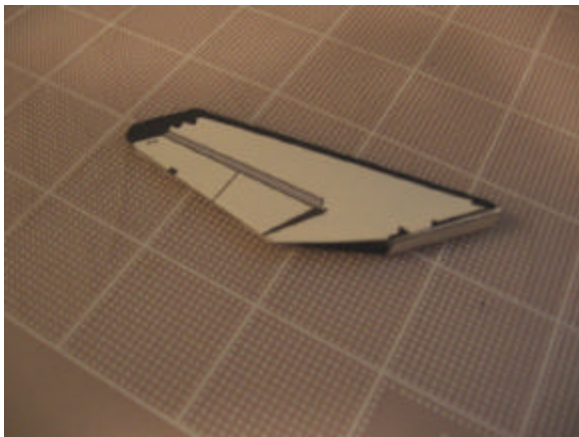
If necessary press down where indicated to make it fit.



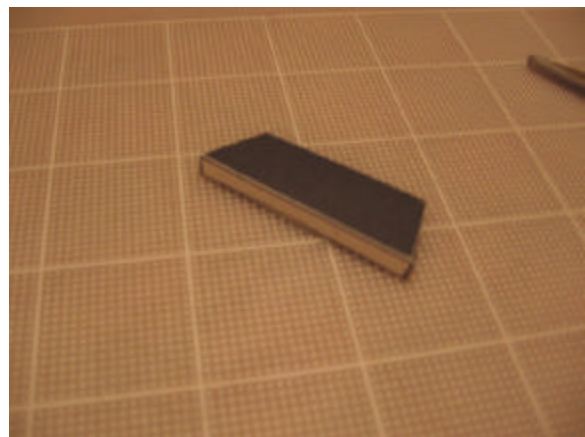
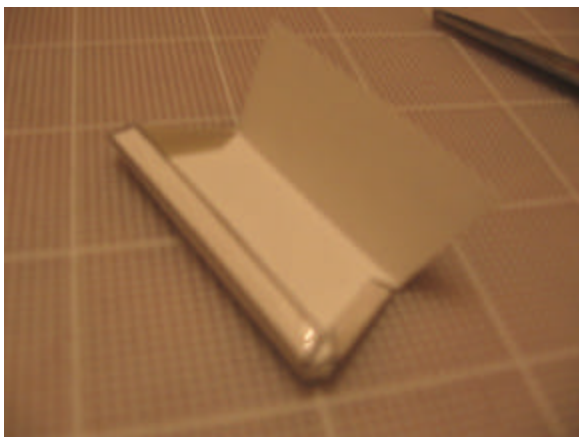
Side view.



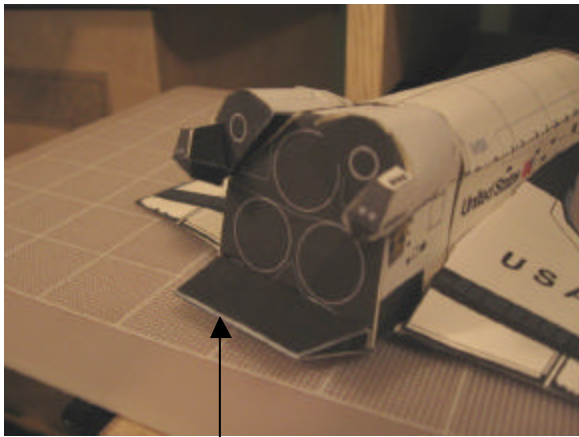
How it looks from below.



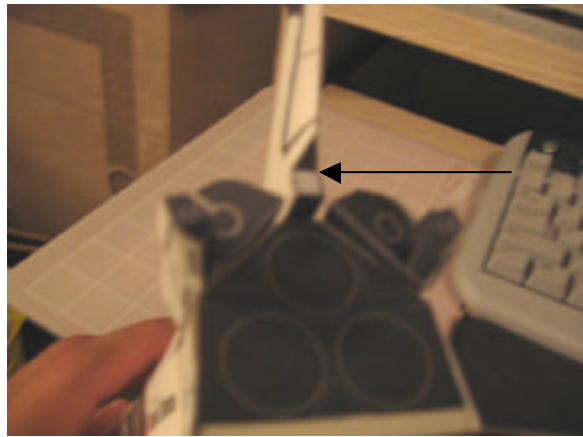
Prepare the tail and the body flap.



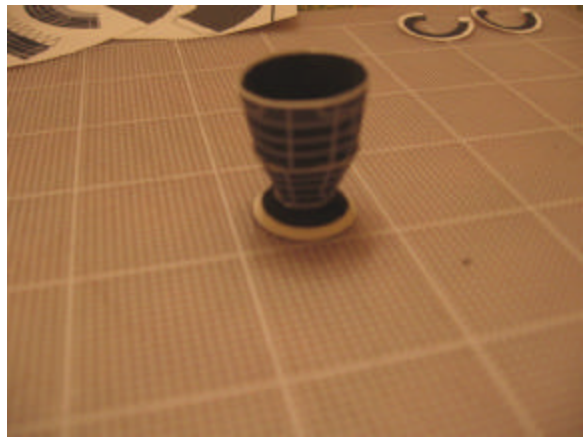
Before gluing the body flap, identify the black side and gray side. Black side faces up and gray side faces down.



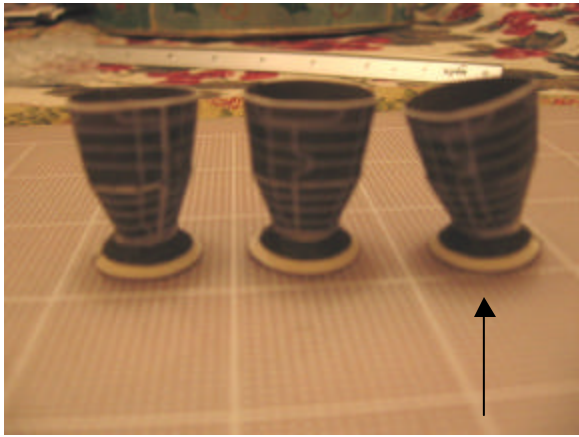
Body flap in place.



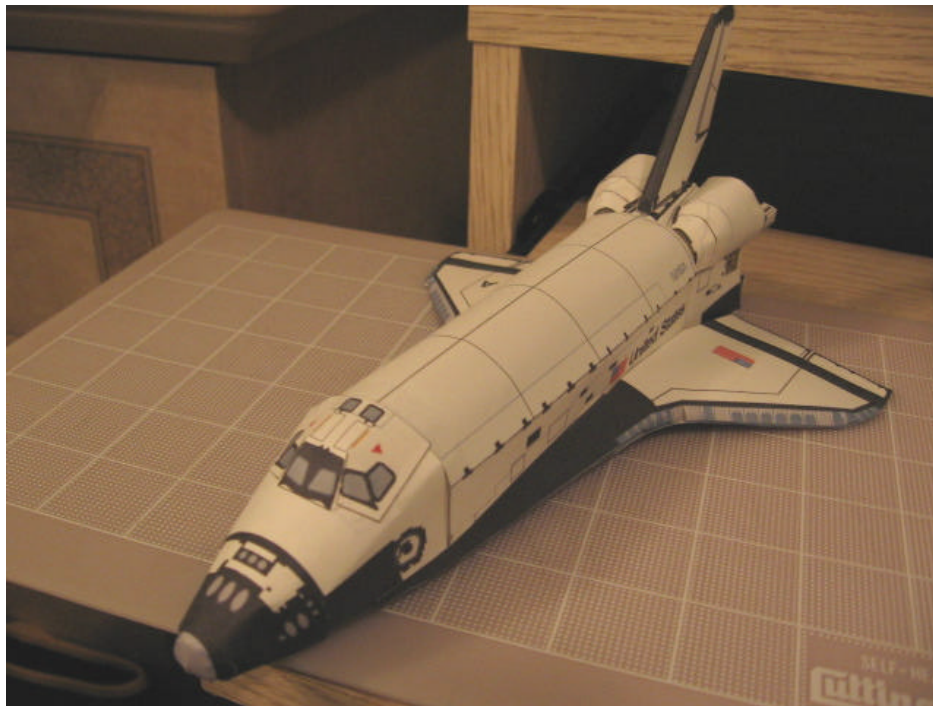
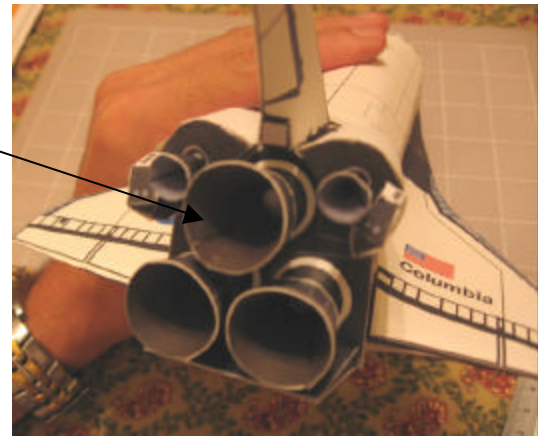
This is how it will look when building a drag chute tail.



Sequence to build each engine.



IMPORTANT: one of the 3 engines needs to be glued in an angle. That will go as first engine.



Orbiter complete.
Enjoy building your 1:144 Space Shuttle paper model!

<http://www.axmpaperspacescalemodels.com>