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Assembly Instructions for STS-50 payload (Spacelab USML-1)



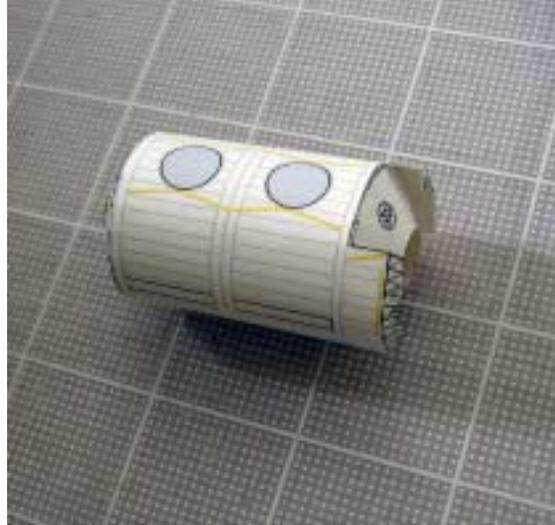
Building the Spacelab module



Follow the photos. Make a cylinder and glue the conical ends as photo shows. Notice how the tabs are folded.



The front end of the module without and with the conical part glued. Notice how the seam is pointing to the left. It will be covered by the part that has the Spacelab logo.



View from the aft part of the module. The small circle is glued at the back. Right photo: Notice the front end of the module before the logo parts are positioned.



Photo shows how the logo parts are positioned at the front of the module.



Left: logo parts



Right: glue the small circles on top.

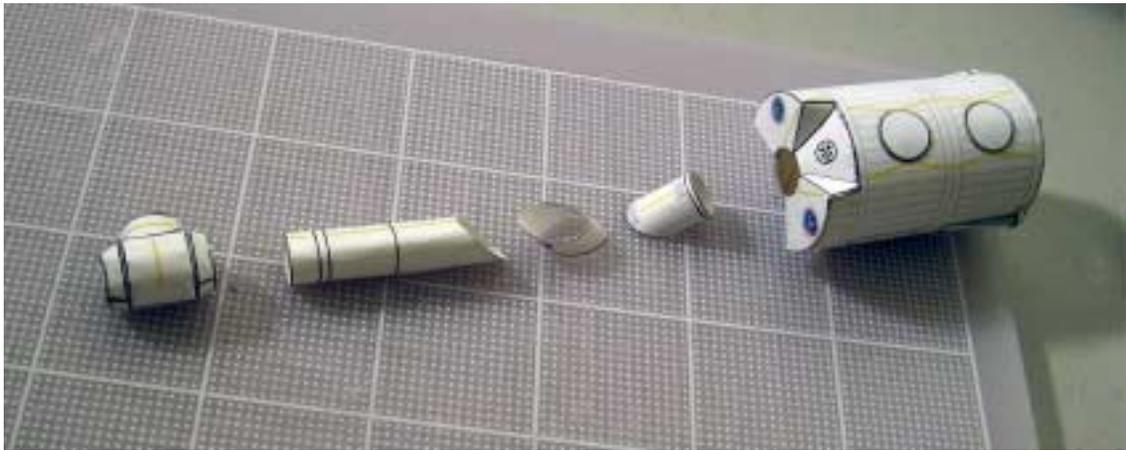


Note how these small parts are folded. These are the trunnion parts that will be glued to the sides of the module. Use the craft knife or X-acto knife for these parts.



Note how these parts are positioned to the back of the module.

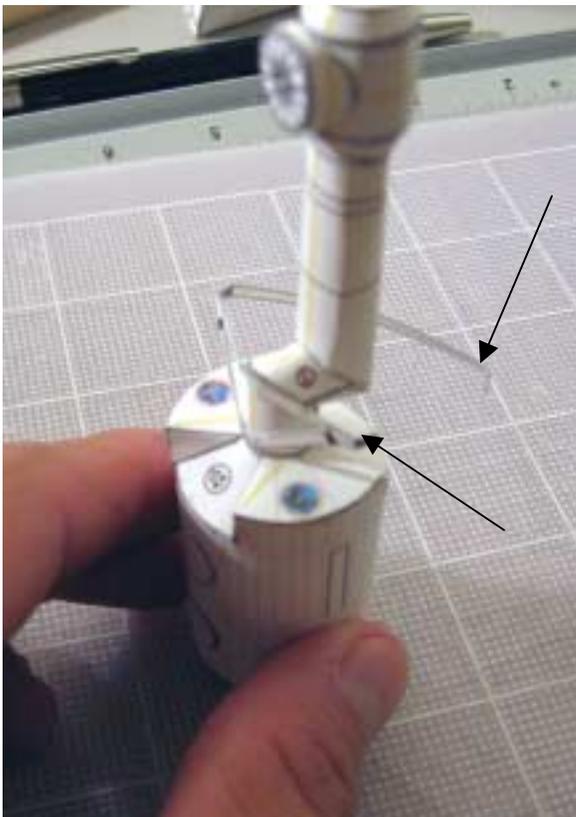
Assembly of the Transfer tunnel and the module



Follow this sequence how the parts will be glued.



Transfer tunnel is glued to the opening on the front between the logo parts.



Note how the support part is glued to the transfer tunnel. First glue the upper triangular section on the gray areas. Later, the bottom portion end is glued to the upper portion end.

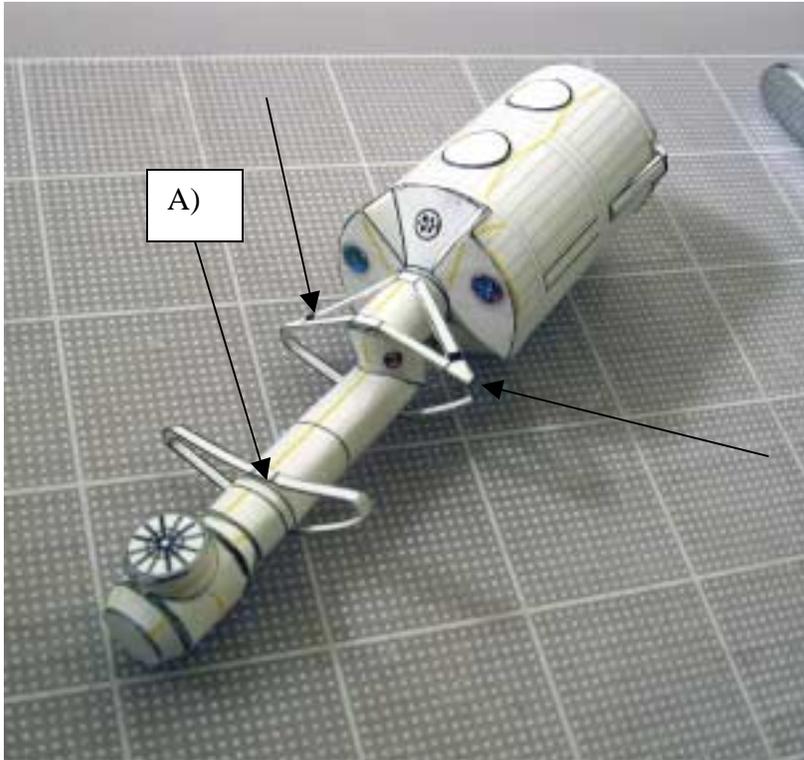
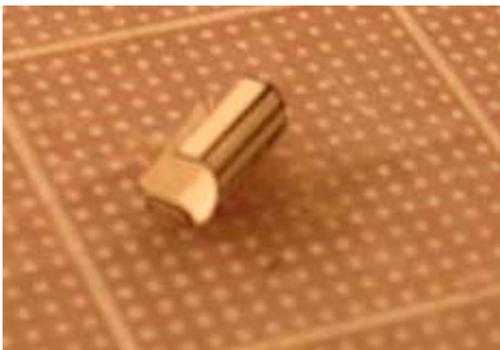


Photo shows how the support parts are glued to the transfer tunnel. A) Notice that the front support part is glued behind the second line of the tunnel. The triangular support part is bent downward as photo shows.

Building the OARE payload



This very small part is like a cylinder with a flat bottom. It is glued on the gray area on bay 11 in the payload bay.

EDO pallet

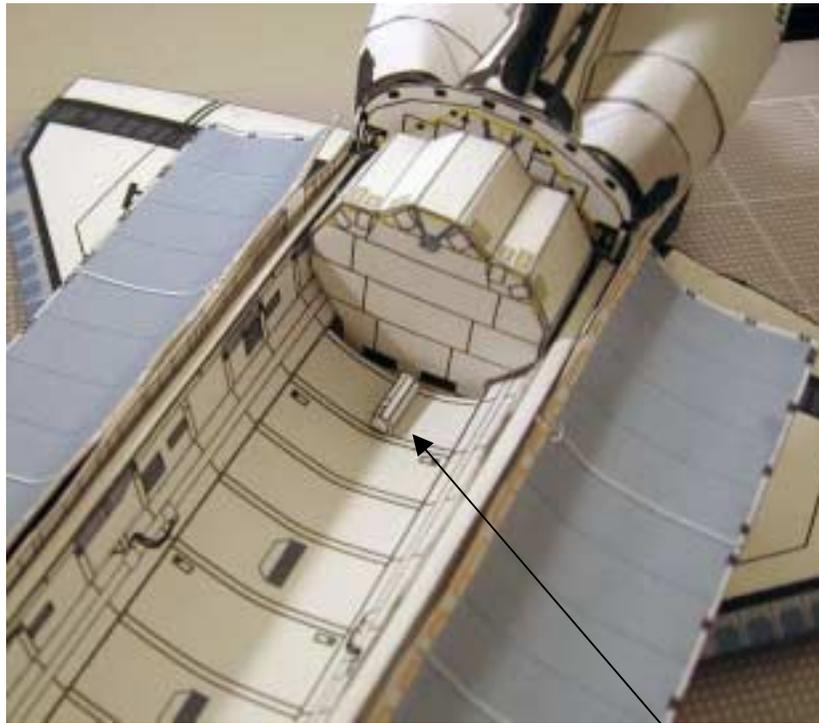


Photo shows where the EDO pallet kit is located and also the **OARE** payload.

KU-band antenna



Note location of KU-band antenna that is glued on the tab from the right payload bay door.

Photos for reference:







Enjoy this model!

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