

# HAKO BRIDGE STATION ASSEMBLY

Hako-sized Model design by Ron Caudillo (ronaldcaudillo@yahoo.com)

Special thanks to my wife, Roni Caudillo for her help in designing the chair support post to make it easier and stronger.

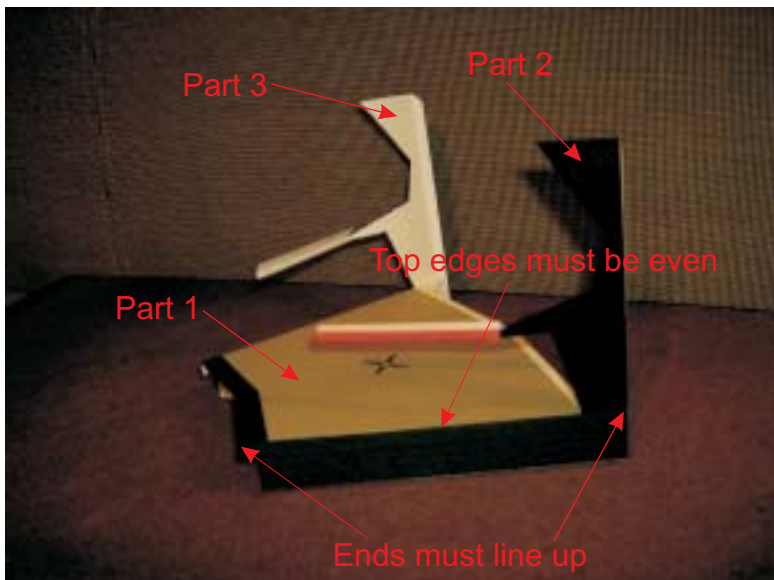
Sized for Hako figures designed by: Masume Washington, Steve Marshall, and The Professor

This model is designed for Kirok of L'Stok's 12 Trek Days of Christmas, 2007.  
<http://12daysxmas.thunderdownunder.org/>

These instructions are used to assemble the Hako Weapons Sub-Systems Checkout, Navigation Sub-Station Checkout, Library Computer, Communications, Engineering, and Environmental Systems Stations. The assembly of the Engineering Station is shown. The others are similar although there are differences in the railing appearance and attachment (there is no railing for the Communications Station). Not all Stations contain an intercom and/or viewer. The Library Station has a computer and monitor added. See each model to find out what it contains.

These photos were taken during assembly while designing was still in progress so there are some minor differences in the final coloring.

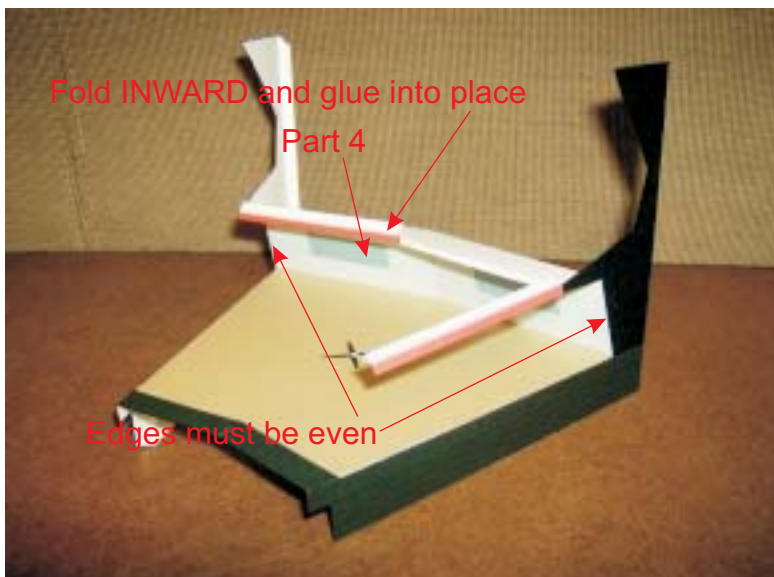
The parts are numbered in the order of assembly. Follow these numbers as you read these assembly instructions.



BE SURE TO FIT THE PARTS TOGETHER WITHOUT ANY GLUE TO SEE HOW THEY FIT AND WHAT THE COMPLETED STEP WILL LOOK LIKE.

Cut out parts 1, 2, and 3. Be sure to cut on the small RED lines in the center of part 1 (use a sharp hobby knife). Fold the small triangles down. This is where the chair post (part 12) will be inserted.

Fold the tabs as directed on the parts. Glue part 1 to part 2 along the top edge of the floor as shown. Be sure the ends of the parts line up. Repeat with part 3.

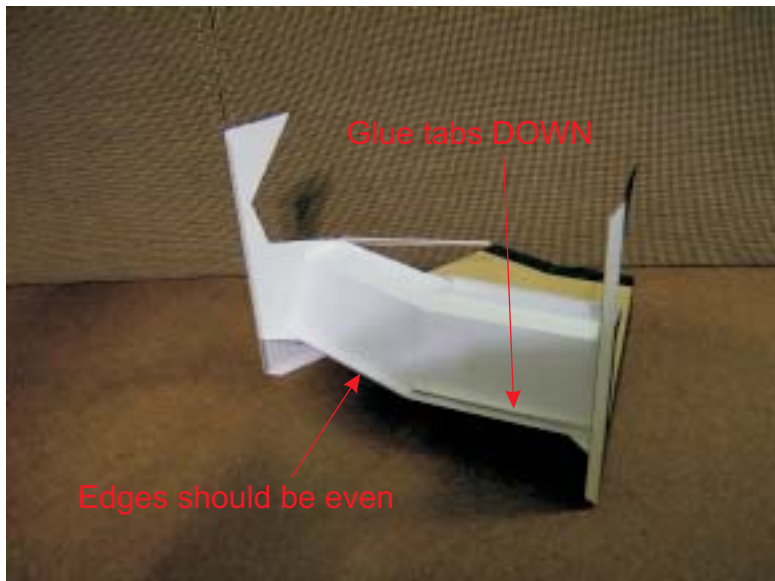


Cut out and fold part 4 as directed. Glue the center tab of this part to the edge of part 4 next to it to shape the part. Glue the SIDE tabs (not the bottom yet) of part 4 to the lower edges of parts 2 and 3.

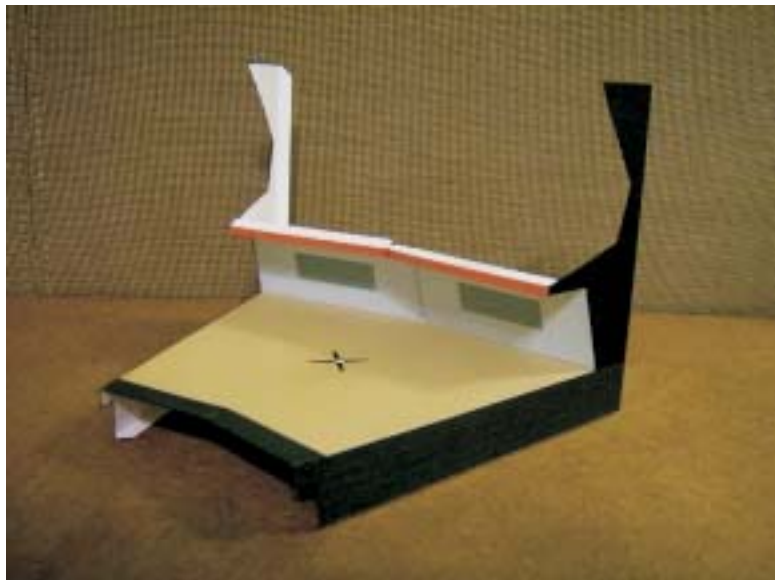
Glue the remaining two tabs of part 4 to the bottom edges of parts 2 and 3.

Fold inward the two RED surfaces of parts 2 and 3. Glue them to the top of part 4.

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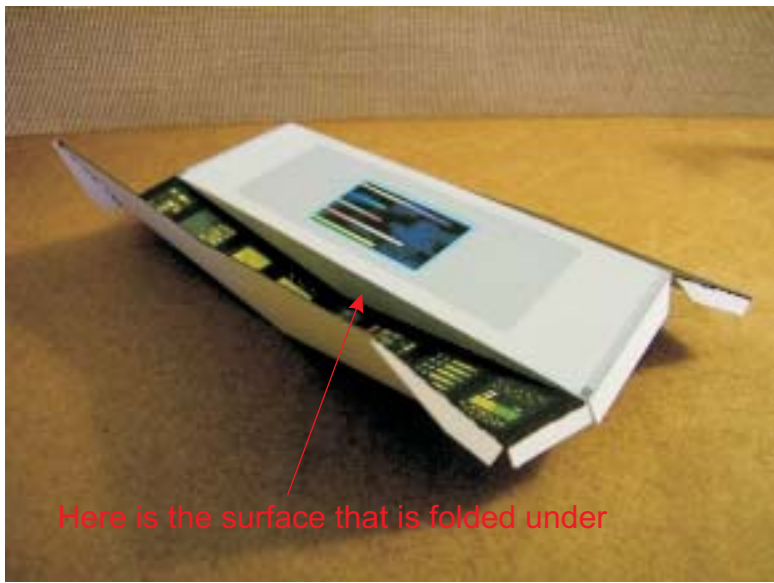
From the back of the model, glue the bottom tabs of part 4 down onto the upper surface of part 1. The edges of the tabs of part 4 should be even with the edges of part 1.



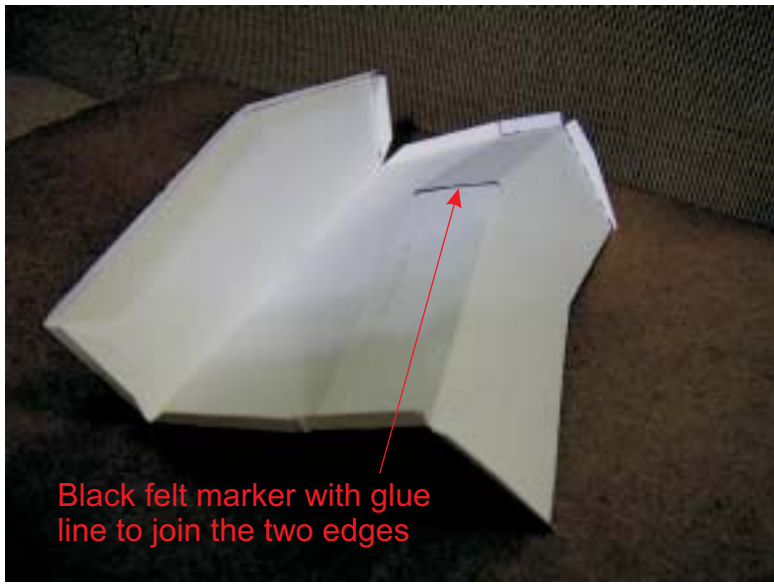
The picture to the left is what the model should look like.



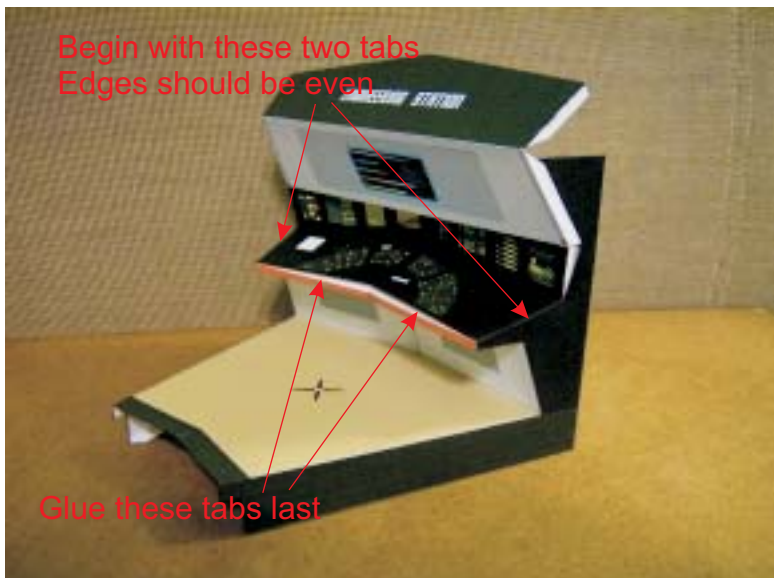
Cut out and fold part 5 as directed. Note which folds will be folded up (valley folds) and which folds will be folded down (mountain folds). Glue the tabs of part 5 to adjacent edges so it looks like the picture to the left.



The photo to the left shows the lower surface of part 5 that is folded under.



Turn part 5 over and color the edges shown with a black felt marker. Apply a light line of glue to join the two edges.

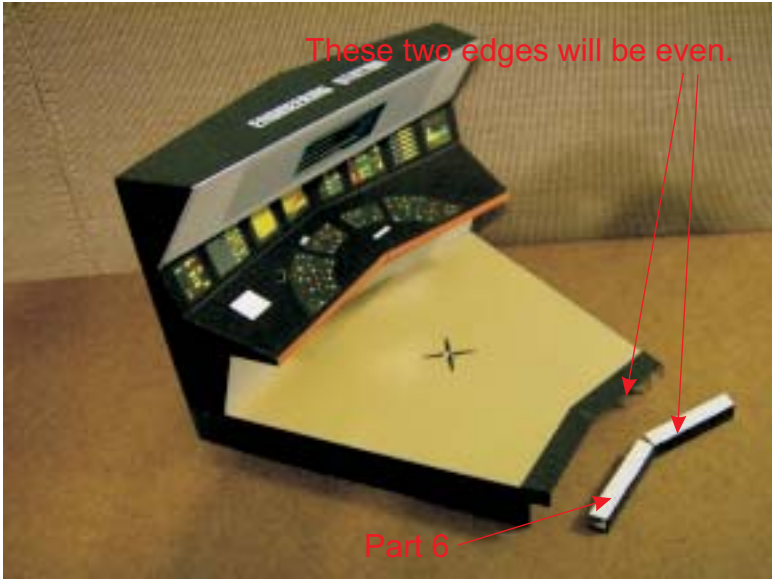


Join part 5 to parts 2 and 3. Begin by gluing the edges shown on the left and alternating sides, work your way up then end with the top. Be sure the joined edges are even.

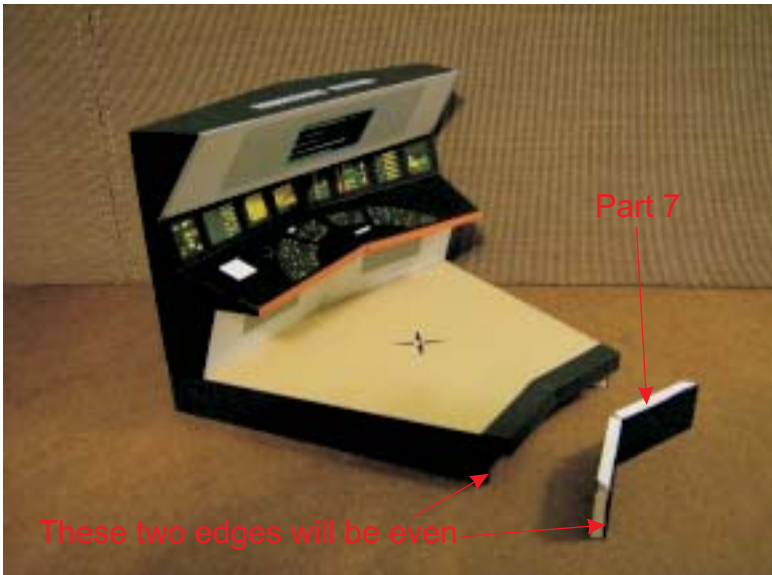
Wait to glue the bottom of part 5 to the tabs of the red surfaces of parts 2 and 3 until you have finished gluing the sides of part 5 to parts 2 and 3.



Now the station is beginning to look like it is supposed to!

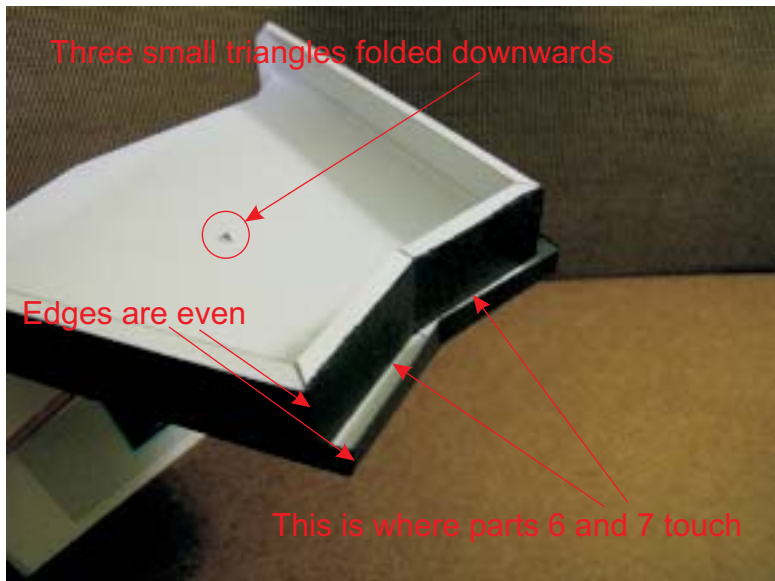


Cut out and fold part 6 as directed. The large white tab is on the top and goes under the front edge of part 1. Glue this into place with the edges of parts 1 and 6 even (see the photo below for reference). The two small white triangles on the sides of part 6 will be glued to the inside surfaces of parts 2 and 3.



Cut out and fold part 7 as directed. This part will be glued directly behind part 6 under part 1. The top of part 7 will touch the rear edge of the top tabs of part 6. The side two tabs of part 7 will be glued even with the front edges of parts 2 and 3.

See the top picture on the next page for reference.



The picture on the left shows what parts 6 and 7 look like when they are glued into place and the model is turned upside down.

Note that the front edge of part 7 touches the rear of the top tabs of part 6.

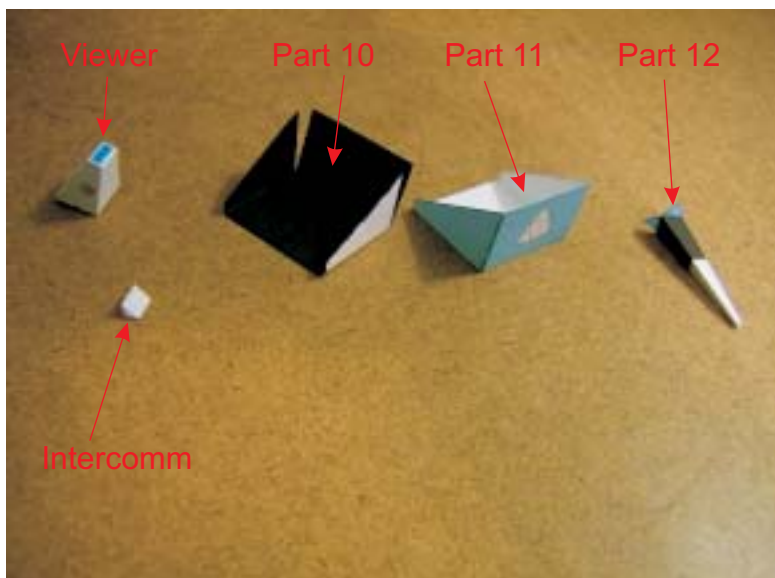
You can also see how the 3 small triangles in the center of part 1 fold downward to allow the chair post (part 12) to be inserted.



The picture to the left is what the model looks like to this point.

It isn't shown, but cut out part 8. Fold part the rear tab up, and glue part 8 into place on the bottom. Be sure the edges are even with the edges of the model.

Cut out, fold, and glue part 9 to the back also. Be sure the edges are even with the edges of the model.

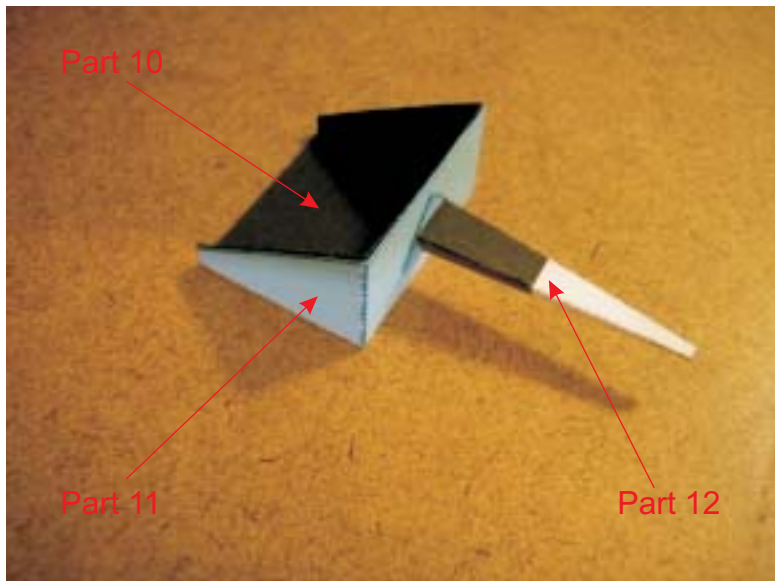


The remaining parts (except the railing) are shown to the left.

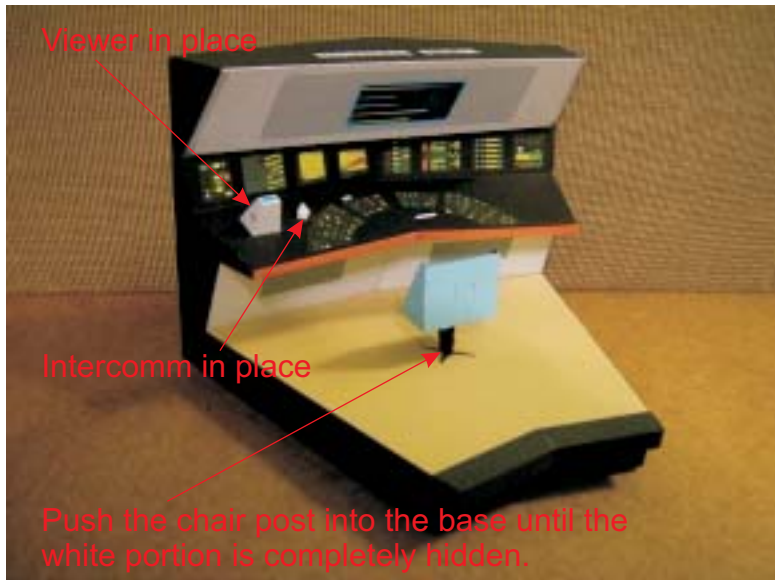
For the chair: Cut out and fold part 10. Cut out, fold, and glue up part 11. Cut out, fold, and glue together part 12.

The viewer is included with the Library Computer, Engineering, and Environmental Systems Stations only. Cut out, fold, and glue the viewer together as directed.

The intercomm is included with the Communication, Library Computer, and Engineering Stations only. Cut out and fold the viewer as directed.



Glue part 10 and 11 together. Glue the blue triangles of part 12 to the bottom of part 11 as shown to the left.



Glue the completed chair assembly into the triangular slot in the middle of part 1. If you apply glue to the 3 triangular tabs of part 1 and also to the bottom of the white tip of part 12, the chair post will be anchored in 2 places and create a strong joint.

Push the chair post (part 12) into the triangular slot of part 1 until the white tip of part 12 touches the bottom of the base (part 80 and the white portion is completely hidden). Be sure the chair post is straight up and down when viewed from the front and side.

If there is a viewer, glue it into place as required.

If there is an intercomm, glue it into place as required.



Assembly of the railing is not shown. The Communications Station does not have any railing. The Library Computer Station is shown on the left.

Cut out, fold in half, and glue the railing supports together. Cut out, fold in half, and glue the railing together. Glue the bottom of the railing onto the tops of the railing supports.

Allow this to dry for a few minutes. Dry fit the railing assembly to see how the bottom triangle tabs of the railing supports attach to the Station front. Glue it in place.

The Library Computer Station is shown in the picture to the left as an example of the railing assembly attachment. You can also see the computer and monitor in place.