

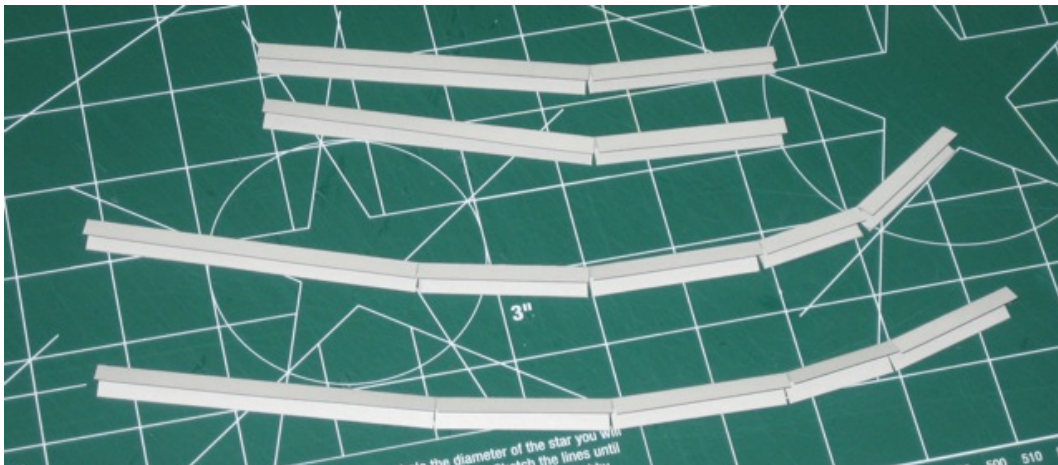
Aft Bulkhead Instructions

Print out the Spreadsheet and the 3 (.jpg) files to use as a roadmap during construction. The main bulkhead parts are pretty large and flimsy so you probably should get some #110 card stock for these. This is noted on the spreadsheet.

Cut out all the parts. The word 'card' will be dropped from the sheet names for ease of description. Glue 62a and 62b together BEFORE folding. Do the same with 63a and 63b. Be sure to align them carefully. After the glue cures, score and fold them to get the "Taco's" shown below.



Cut, score, and fold the 'U' shaped pieces on 62b and 63b. These will be added inside the main bulkheads for stiffness. Orientation and location is not critical. Place one where each shelf goes. Piece them together along the edge where the bulkhead is going to glue into the main bulkhead. Use the following photos for reference. Use some weight to make sure the parts stay flat while the glue dries. Work slowly and be patient.

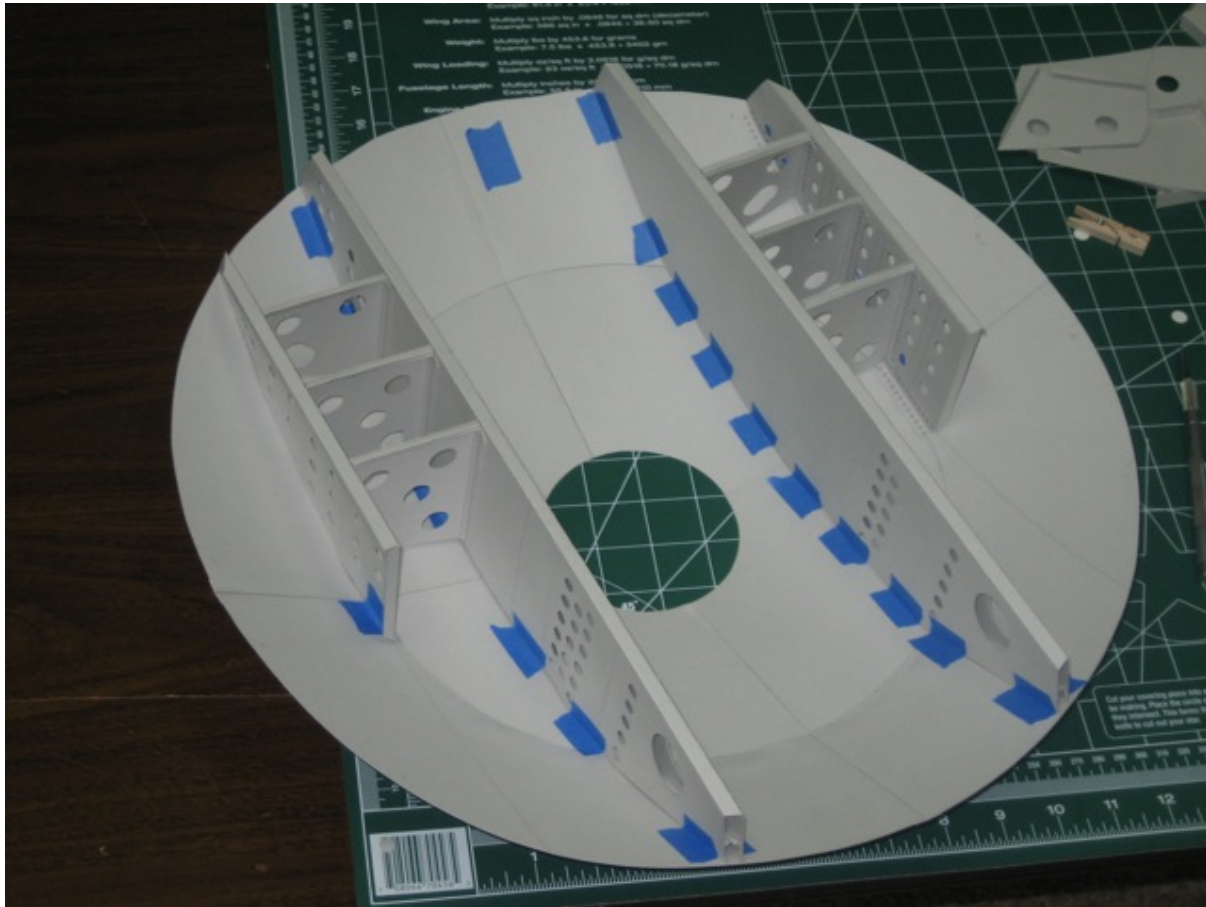




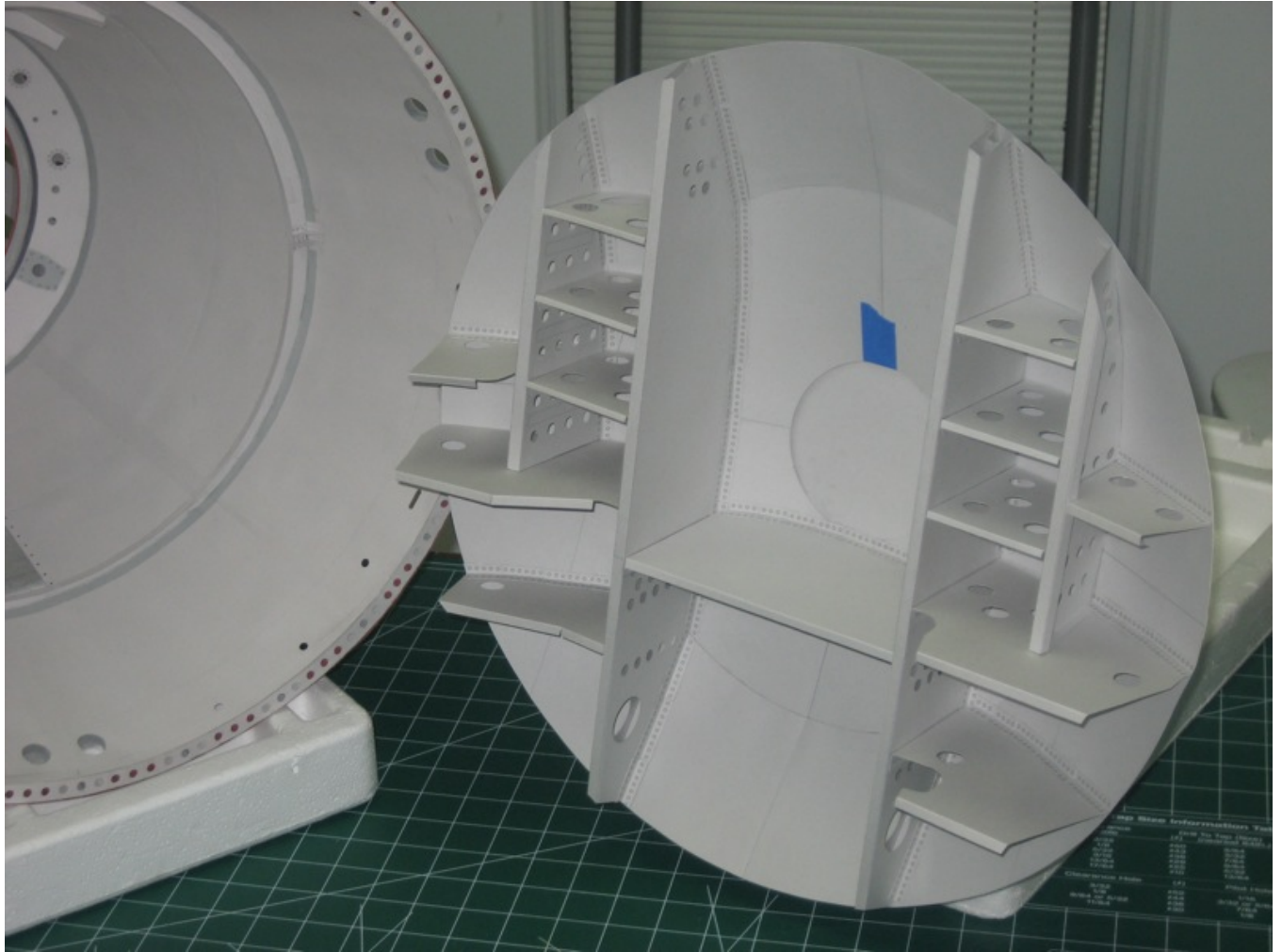
You can add the 1,2,3 shelves next if you like. The Left and Right convention puts the rivet detail on the bottom.



Using a light pencil, mark the shelf numbers on the aft bulkhead pieces. Cut out the aft bulkhead pieces. The orientation marks follow the full size capsule (MD) convention. Left is as if you were sitting in the pilots seat. This will be backwards as we assemble the bulkhead looking at it as if we were on the nose of the capsule. DON'T Glue in the center piece yet. In fact, you might never use it. I included it for completeness. Glue the 'Big Bowl' together and let it dry. Temporarily tape in the bulkheads as shown below.



We did not glue the "Taco" together yet. It will be easier to align it on the aft bulkhead this way. Just tape it down for now. Add the rest of the bulkheads with tape. The parts on 73a may be extra. The parts on 75 are cut into small lengths to glue the shelves and bulkheads in. There should be enough but just print another sheet if you need it. The finished pt should look like this.



From the Main structure section, Mark3 can be used to draw a light pencil line inside the main capsule. Stand the capsule on the recover section and place the aft bulkhead inside. It probably won't fit very well. Look through the hatch opening to see where the interferences are. Carefully trim the aft bulkhead to get it as close to the line as possible. When satisfied, use the parts from Card26 to make the mount flange for the aft bulkhead. You should edge glue the pieces first and then fit the segments into the capsule. Tape them in place first to make sure everything lines up. You should use small magnets (Radio Shack or a Craft Store) to hold the bulkhead in. You can glue small steel washers on one side and use the magnets on the other. There are some photos of this in the Forward bulkhead section. Aren't you glad you didn't glue that center piece in?



I'm sorry I don't have any photos to show mounting the aft bulkhead. I never intended on getting this far. I just did it for the card modelers. I would rather spend my time doing a Heatshield and retro pack. If I ever get to mounting the bulkhead, I'll post a revision on the website. I'll make it obvious. Maybe I'll do the heatshield and retro pack with magnets and post it at the end.