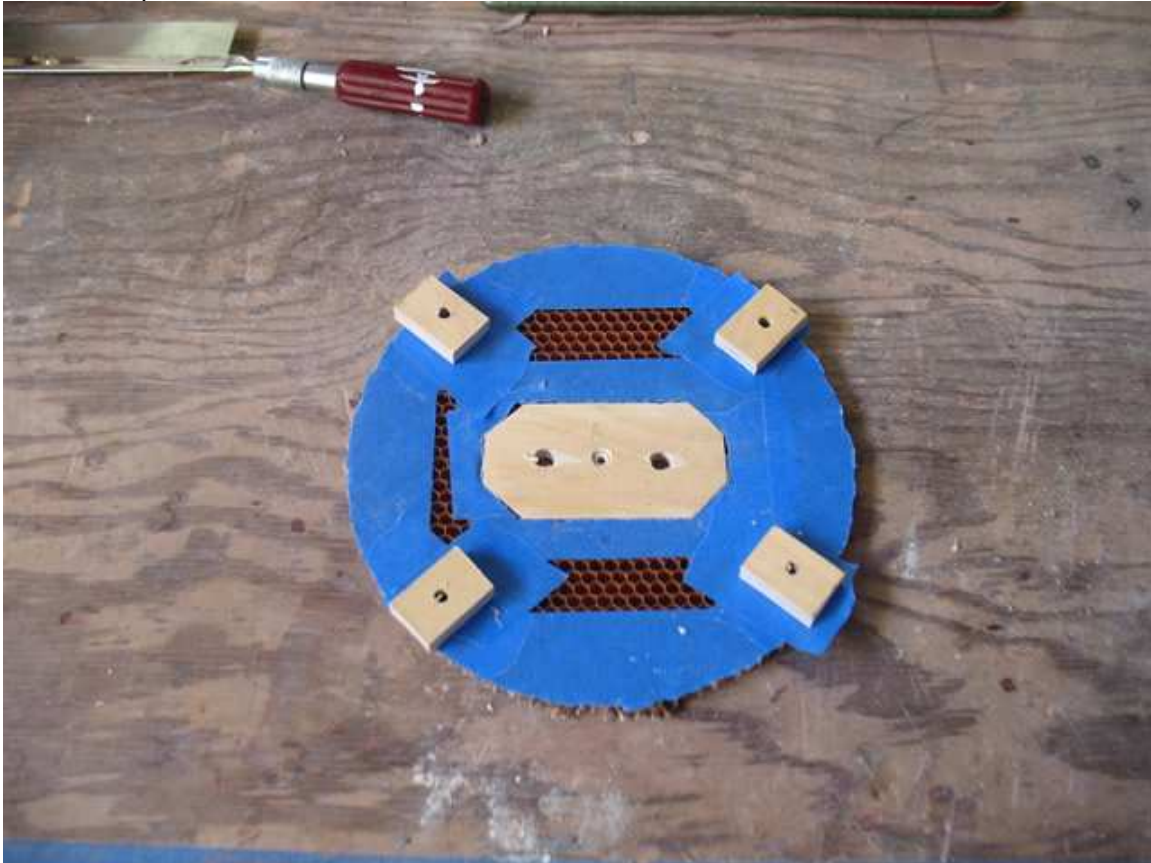


## Nosecone bulkhead and GPS Bay

I wanted a removable bulkhead used to mound the nose cone U-Bolt. This will also accommodate the GPS bay as well. Making the bulkhead removable allows ballast weight to be added to the nose cone if needed to achieve the proper CG.

On to the pictorial...



Like the centering rings I am making my own bulkhead using carbon composite over Aramide fiber honeycomb for this. Note the plywood hardpoints for the U-Bolt and mounting screws that will retain the bulkhead.



Here is the bulkhead after removing from the vacuum bag. It is ready for final shaping and drilling.



Next I made the GPS bay. I use 38MM phenolic for this. I like to slice part of it off and add a plywood floor – it's a better shape for the Beeline GPS. Also I made a Cap from plywood. I use cotter-pins inserted through the bay into the plywood to keep it on. What is not shown here is I added a couple of wraps of fiberglass to the bay for reinforcement.



After cutting and fussing here is the nose cone bulkhead ready for mounting into the nose cone shoulder. Note the cotter pins holding the cap in place.



I made a 3/8" plywood shoulder with T-Nuts for mounting. This is glued into the nose cone shoulder.



Here is the bulkhead in the nose cone.

Next up – make the AV Bay sled...