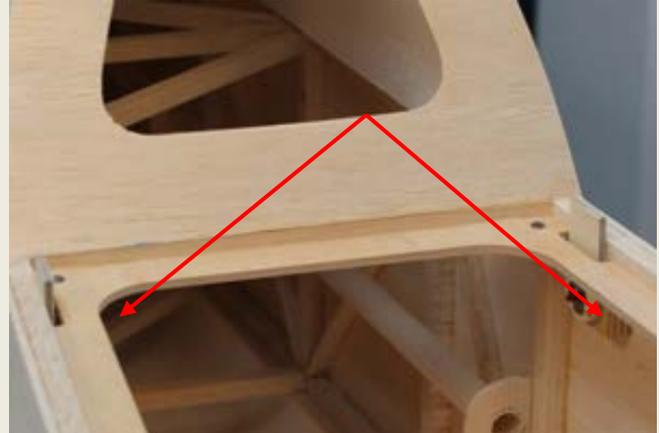
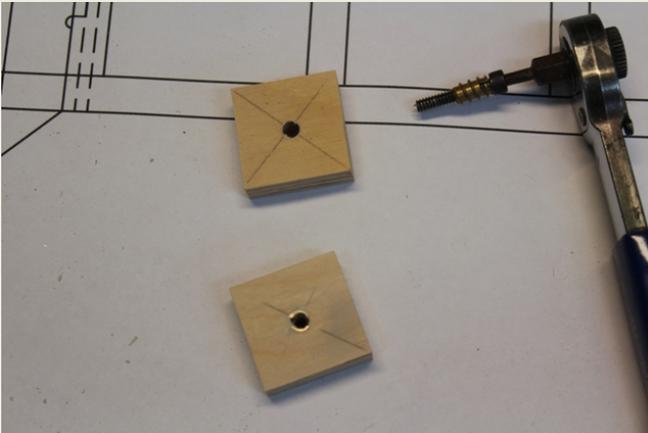


Kam-Aero 43% Extra 300.

Aircraft Assembly -

Hatch:

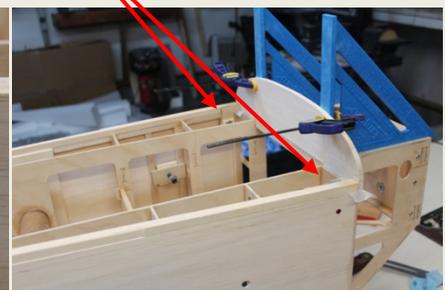
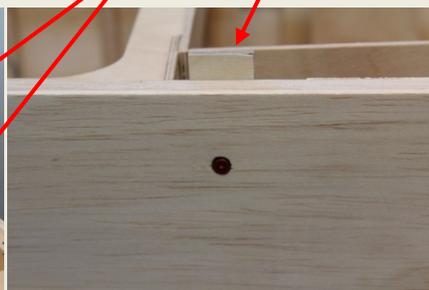
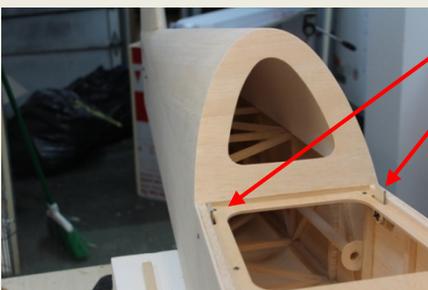
- If not already installed, glue in place the 1 x 1 x 3/8" hatch anchor blocks. The anchor blocks should be drilled for a 6-32 bolt prior to installation. I use 6/32 brass threaded inserts to keep the hatch bolts holes from wearing and becoming sloppy. Once installed, drill the inserts out so that the hatch bolts slide through freely.



- Make 6 hatch hold down tabs from the 1/8" x 1' aircraft ply strip. Place a 3/8" x 1/2" basswood hatch rail on the longeron to mark hatch tabs height. Drill the tabs and install a 6-32 blind nut in each.



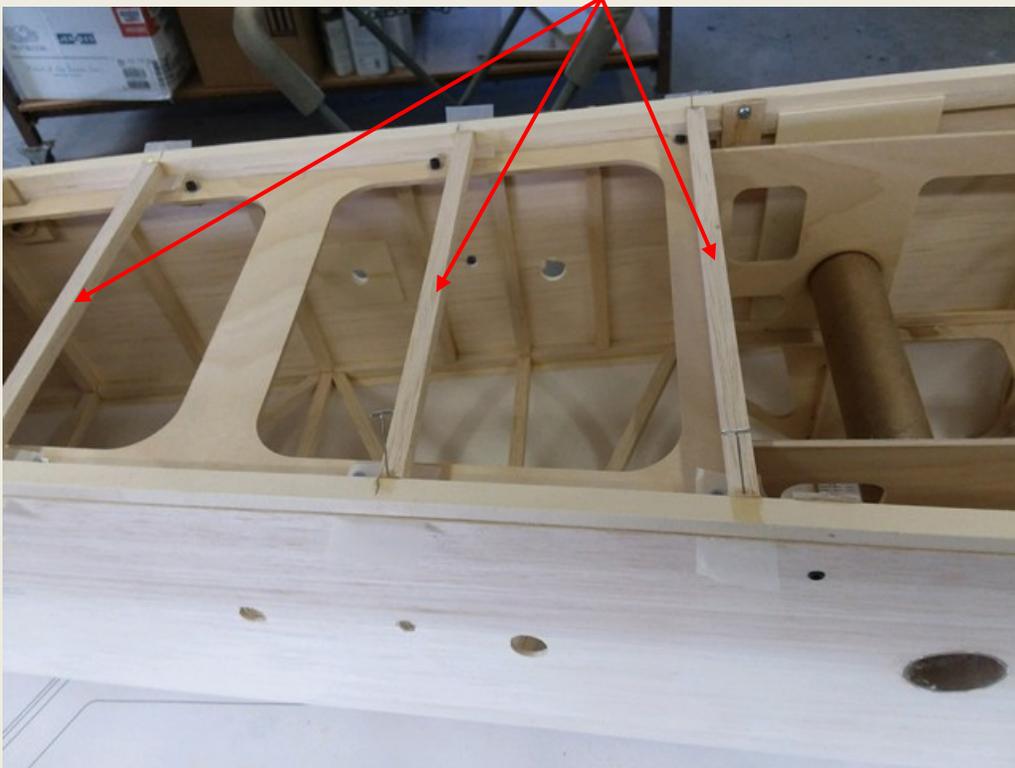
- Install a hatch tab at each of the 6 (2 rear, 2 mid, and 2 forward) anchor point locations.



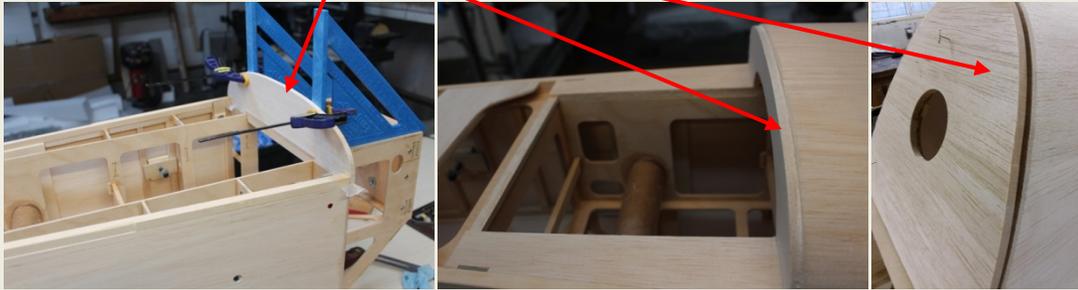
- Use two 3/8" x 1/2" bass wood sticks to make the hatch base rails. The rails must be fitted with the 1/2" dimension width wise.
- Mark the hatch rails for the area where the canopy will glue to the rail, rip about 1/32" off the rails in this area for a flush canopy fit.
- Rip the outer forward sections of the canopy rail (where the foam deck glues to the rail) down by 1/4" and replace the removed material with balsa stock. This facilitates easy sanding to match the foam deck.
- Install the 6 hatch tabs. Use waxed paper between the rails and longerons; glue the hatch rails to the tabs. Secure the tabs to the rails with 3/8" screws (#6 or #4).



- Use 3/8" x 3/8" balsa sticks; cut and install cross-bracing between the two hatch rails.



- Using ¼" balsa, make the front, middle, and rear hatch bulkheads, do not glue in place.



- The forward hatch bulkhead should be cut / notched to fit over the motorbox top-plate.



- Cut the middle bulkhead so that the canopy is a flush fit to the forward deck.



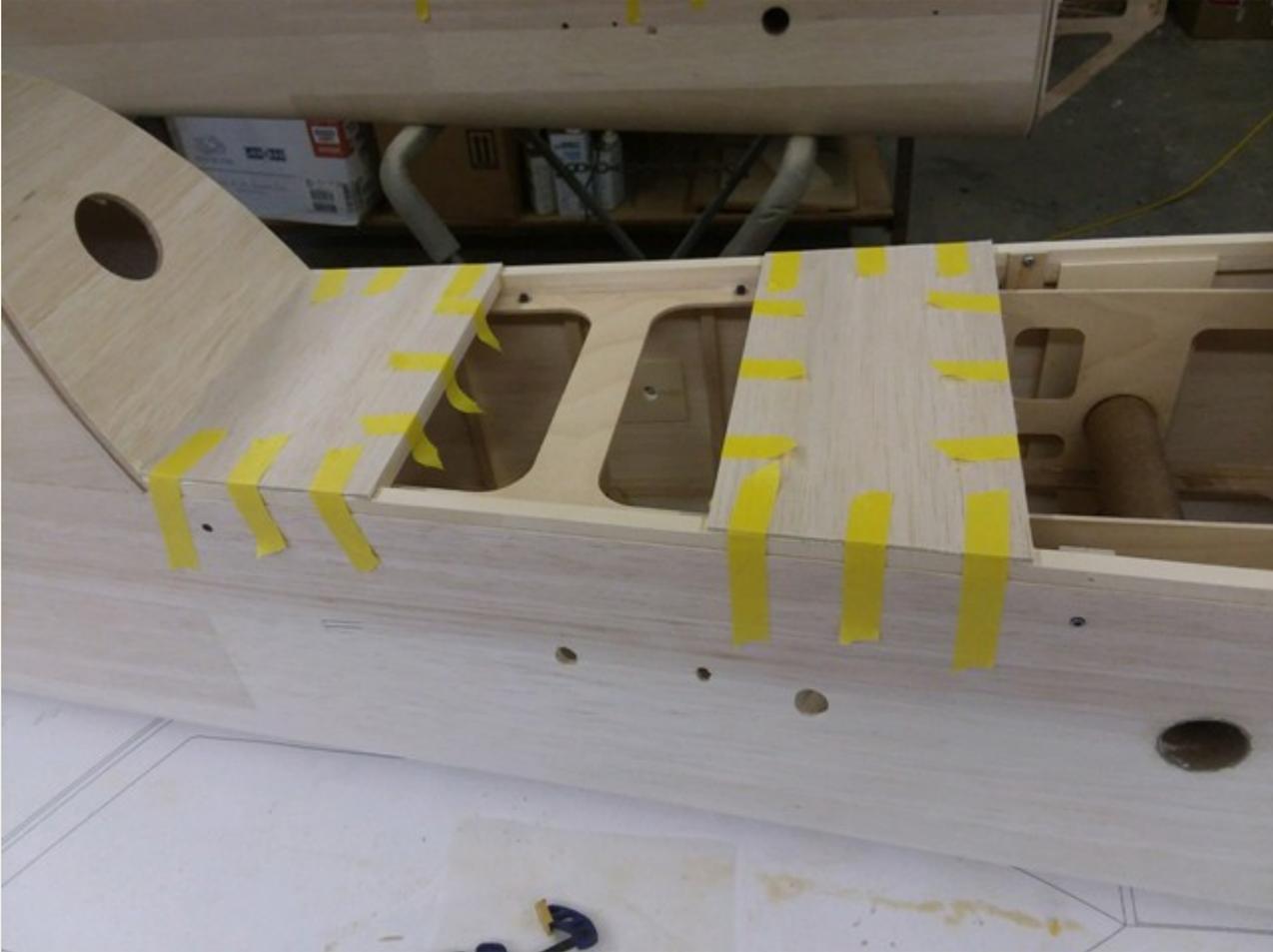
- Glue the forward foam deck to the hatch rails.



- Glue the front and middle bulkheads to the hatch rails and the forward foam deck.
- Use 1/16" balsa scrap to shim the rear bulkhead out from the turtle deck. Glue the rear bulkhead to the hatch rails.



- Use 1/8" balsa sheeting to make the hatch floor / pilot and instrument panel pads.



- Install the instrument panel block.

- Trim, fit, and glue the canopy in place. Make certain the hatch is securely mounted to the fuselage while the canopy glue cures.

