

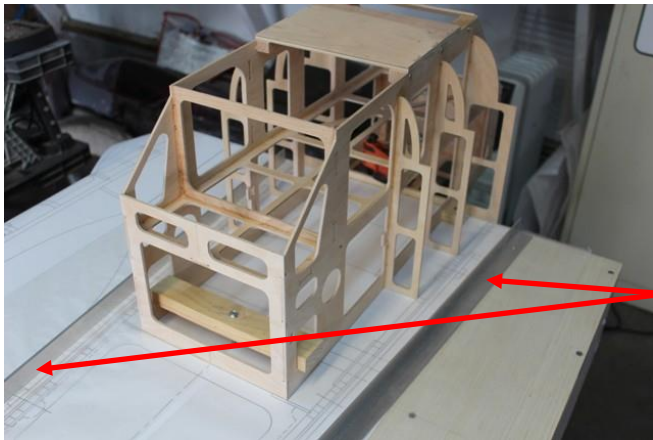
# KAM Aero Extra 300

## Motor Box to Fuselage Sides Assembly. You'll need:

- Two completed fuselage sides.
- Completed motor box.
- 2 F5 Side formers.
- 1/8" Ply Tail Gear plate.
- F6 (3/8") balsa tail post.
- 3/8" x 48" balsa sticks.
- 1/8" Upper longer support plate.

Note: The fuselage is assembled upside down over the top view plans. Take your time and ensure the motor box is properly centered and square to the plans.

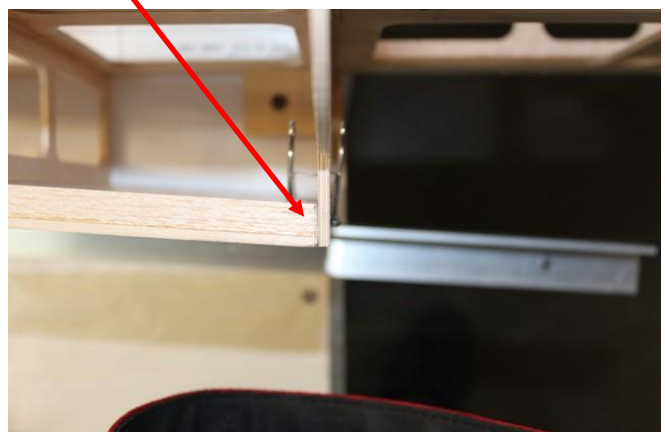
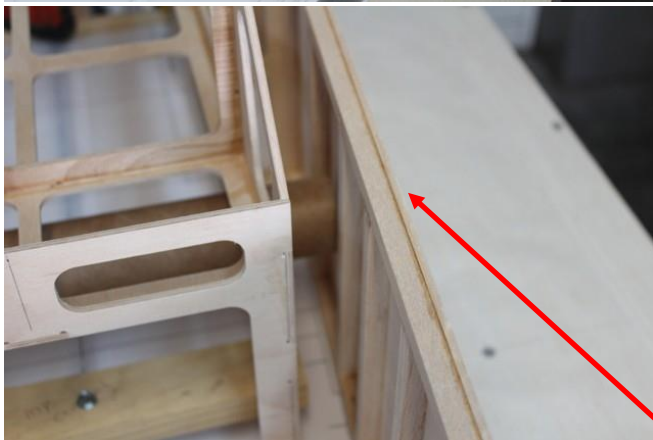
- Position your fuse top-view plans so that the rear edge of the motor box top plate is aligned with the edge of the table.



- Place the motor box over the plans and secure the motor box to the table - take care to ensure the motor box back plate is centered and aligned over the plans.

- Place and secure your angle stock on the table aligned with the outer edges of the 1/8" fuselage sides.

- Measure, mark, and taper the front ends of the fuselage sides to fit flush against the F2 side formers.



- Sharpen one end of a section of wing tube phenolic. With one fuse side clamped in place against the F2 formers, insert the phenolic through the mb and twist it against the fuse side to cut the wing tube location. Repeat for the other fuse side. Tip: Hold a scrap piece of balsa on the outside of the fuse side while cutting out the tube hole.

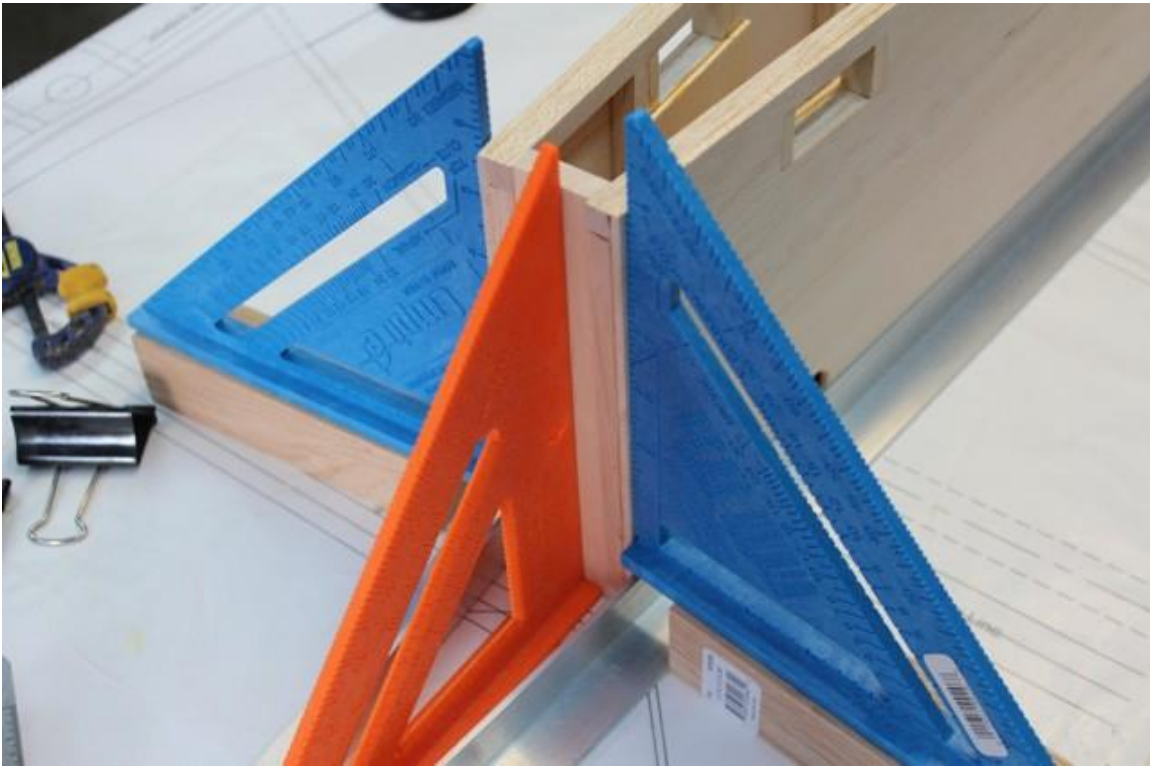
- Glue and clamp the fuselage sides to the F2 side formers. Ensure that the fuselage side top longerons stay in contact with the table.

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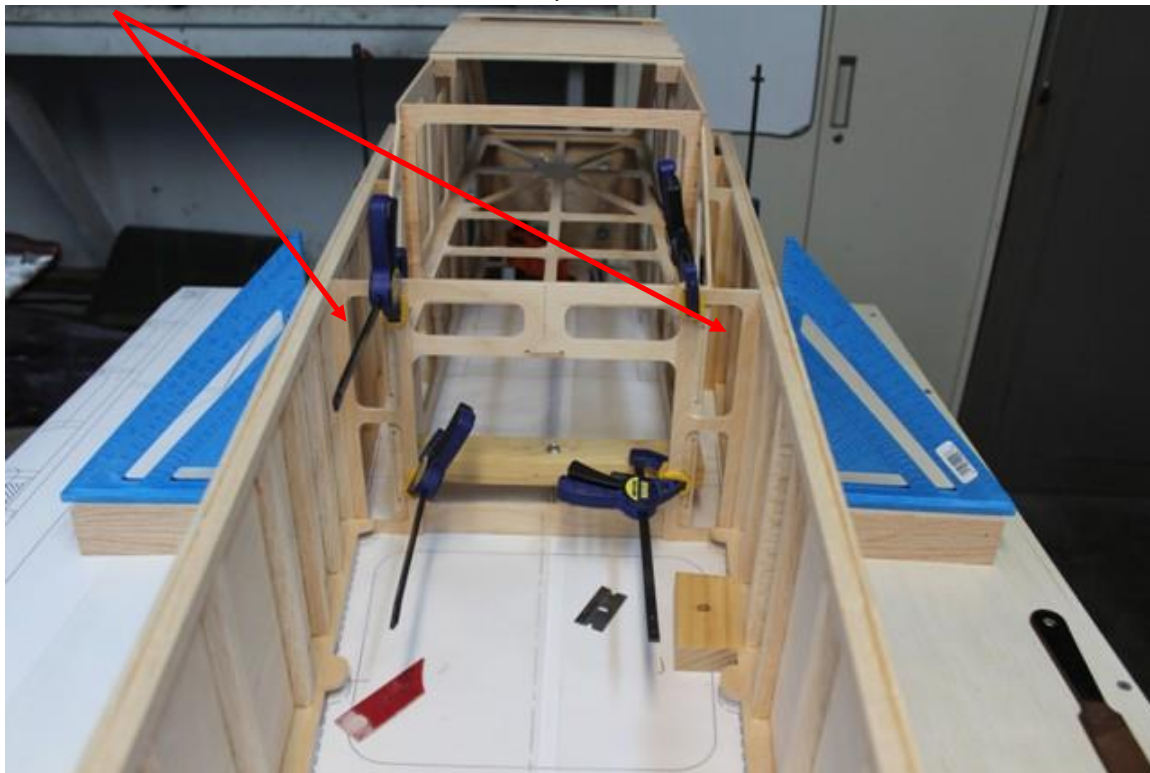
Queen Creek, Arizona 85142, United States

[775-434-3538](tel:775-434-3538) [KAMAero300@gmail.com](mailto:KAMAero300@gmail.com)

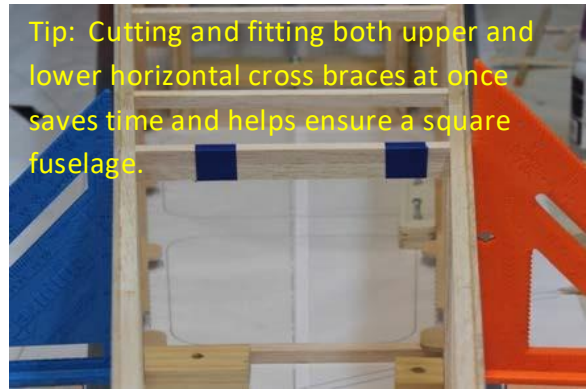
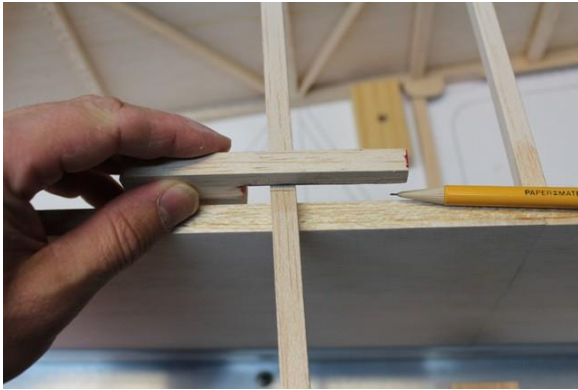
- Taper and install the F6 3/8" balsa tail post. Note: It helps to pin F6 in place through the fuselage sides while the glue cures. Ensure that F6 and the fuselage sides remain square.



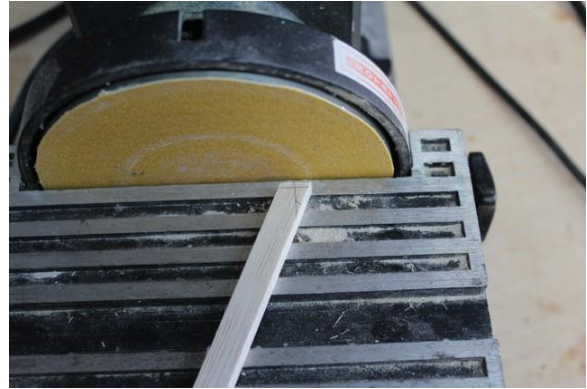
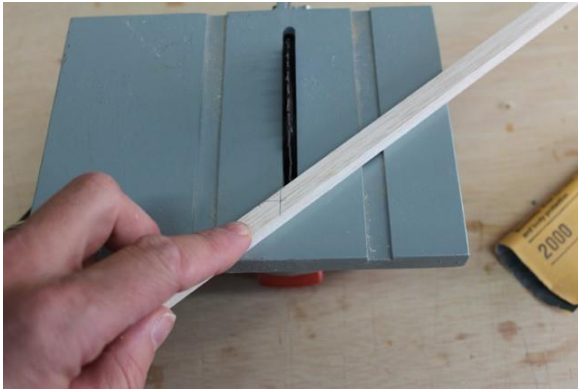
- Install the F5 MB side formers to the MB back plate and fuse sides.



**KAM Aero**  
Queen Creek, Arizona 85142, United States  
[775-434-3538](tel:775-434-3538) [KAMAero300@gmail.com](mailto:KAMAero300@gmail.com)



- Starting with the longer cross braces (work front to rear) cut and fit the horizontal 3/8" balsa cross braces between the left and right fuselage sides. Note: Ensure that the fuse sides remain square to the build table during this process. The cross braces should be a friction fit between each longer on (will stay in place without glue, but not tight enough to distort the fuselage side).



- With the upper and lower horizontal cross braces installed, proceed to install the upper and lower diagonal cross braces in the same manner.

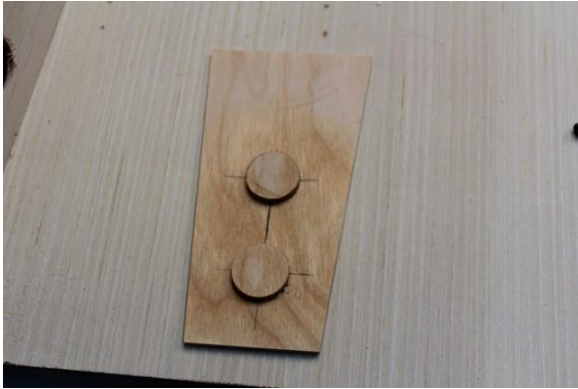


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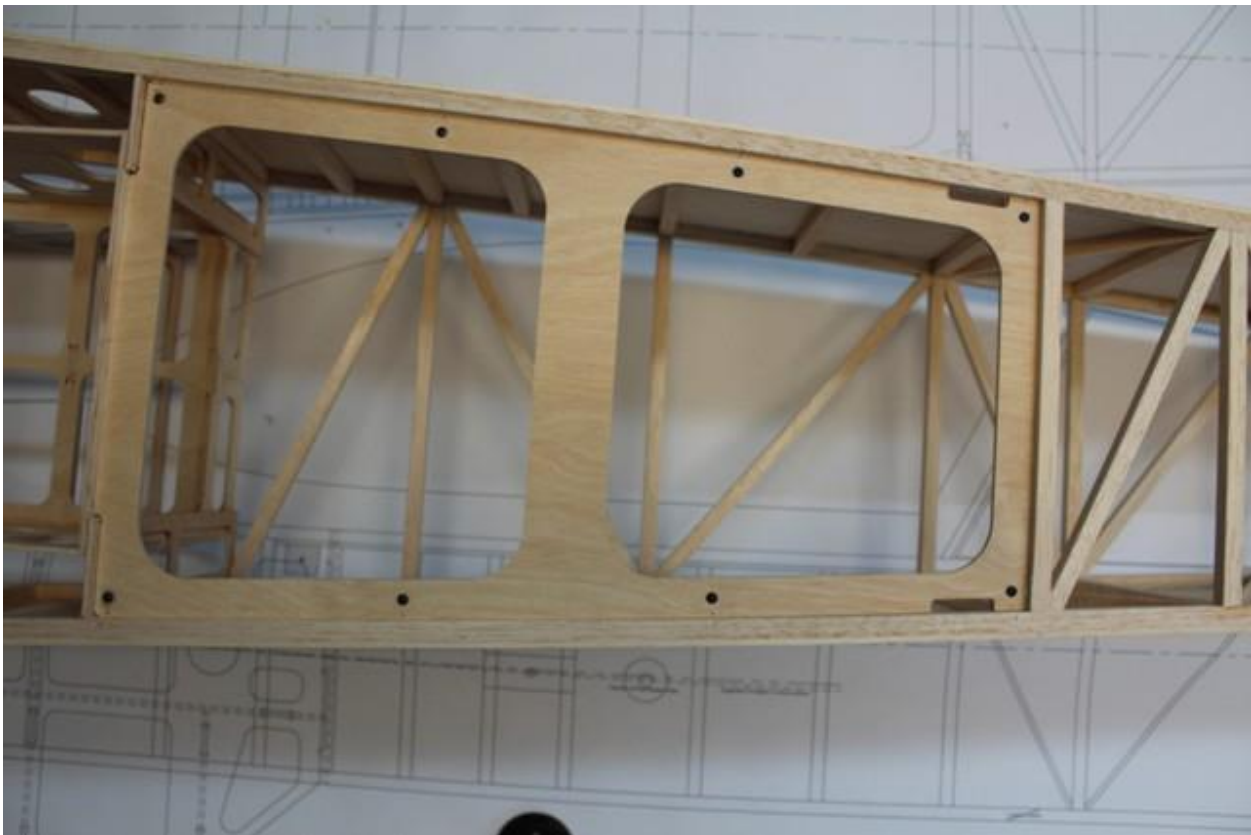
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- Install the 1/8 ply tail gear plate. Note: It's best to drill and install blind nuts for your tail gear prior to installing the tail gear plate to the fuselage.



- With the cross-bracing complete and the tail gear plate installed, turn the fuselage over and fit the upper longeron support plate to the support plate tabs.



- Install with 4-40 blind nuts and screws. Note: The support plate is intentionally slightly oversized and will need some fine-fitting to your installation.

This completes the basic fuselage structure assembly. Alignment and installation of wing and stab tube sockets is covered when fitting the wing and stabs.

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