

Mojo removable wing addendum

Modifications to standard Mojo Build

Fuse

1. ___ Build fuse assembly per the plans using the 3/8" motor mount with the 3/8" sq maple rails.
2. ___ Sand a bevel into the slot in the back half of the 1/8" ply nose doubler so that the CF tube will sit flush with the top of the doubler. Do the same with the other doubler.
3. ___ Trial fit the tube into the fuse with the doublers. Make sure the doublers fit up flush with the fuse and that the tube fits well in the slot.
4. ___ Glue one doubler on the back side of the fuse. Use epoxy or poly glue.
5. ___ Fit the tube into the slot using epoxy under the doubler. Don't try to epoxy the tube down the entire length yet. Just tack the tube to the fuse in a few places with thin CA to center it.
6. ___ Install the other fuse doubler using epoxy and weight down the assembly.
7. ___ Once the assembly has dried, dribble a little epoxy down the fuse to tube joint. Use a heat gun to get the epoxy to flow out and create a nice fillet. Let this dry.
8. ___ Flip the fuse over and repeat the filleting process on the tube to fuse joint.
9. ___ Once the fuse is covered install the 1/4" dowels to act as anti-rotation pins.
10. ___ Test fit the root rib over the fuse to check alignment with the wing tube and anti rotation pins.

Horizontal Stabilizer

1. ___ Build the horizontal stab and elevator per the plans.
2. ___ Do not install both pieces of tri stock to the stab.
3. ___ When doing final assembly, slide in the elevator first, then the horizontal. Use epoxy to join.
4. ___ Install the remaining piece of tri-stock to the stab.

Wing

1. ___ Do not build the center rib as the instructions show.
2. ___ Cut a 1/2" piece off the end of the phenolic for the fuse.
3. ___ Cut the remaining phenolic in half.
4. ___ Install the phenolic into the ribs while building the wing.
5. ___ Drill a 1/8" hole thru the end of the phenolic and install a 1/8" dowel to keep the wing tube from traveling beyond the end of the phenolic.
6. ___ Make sure to use the ply doublers on the ribs that the wing tube passes thru.
7. ___ Build the wing over the plans per the instructions noting the exceptions listed above.