

# MUSTANG AERONAUTICS, INC.

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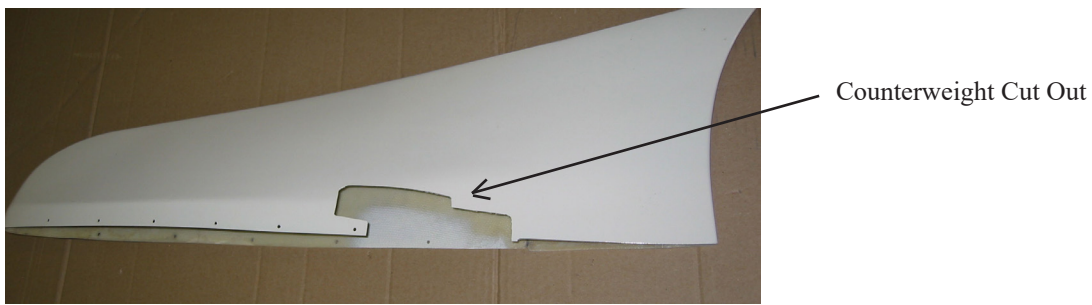
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Date: 12/2/2010 (updated 7/10/2019)

Subject: fiberglass wingtip installation

The fiberglass wingtip is typically installed with #6 machine screws on 2.5" to 3.0" spacing. These are screwed into MS21047-06 nutplates attached to the wingtip attach strip p/n 230.325. MS24693 flat head screws with 100° countersunk washers or AN526 truss head machine screws with nylon washers are to be used.

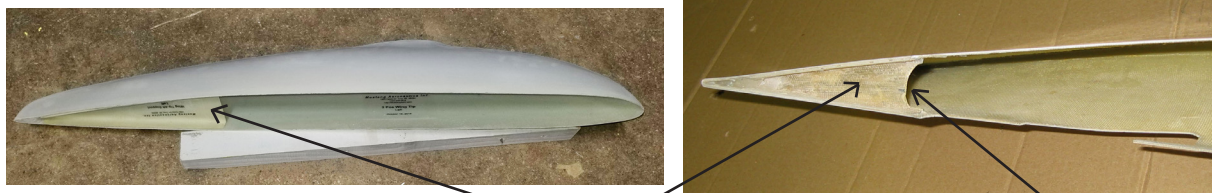
The aileron counterweight will have interference issues with both the top and bottom of the wingtip. As the aileron is deflected up the counterweight will protrude below the wing. A cut out in the wing tip bottom must be made to allow this. As the aileron is deflected down the counterweight will end up flush with the inside of the wing tip upper surface. Clearance with the wing tip attach screws needs to be maintained. The counterweight tube can be drilled and/or countersunk for clearance with the screws and nutplates to allow sufficient down travel of the aileron.



Bottom of Wing Tip

To accommodate slight variations in wing tip chords the wing tips have the trailing edges filled to allow them to be ground down to match the aileron trailing edge.

To stiffen the trailing edge of the wing tip where it is not attached to the wing a fiberglass rib is provided. This should be bonded in place using epoxy and ground for clearance of the counterweight.



Trailing Edge Rib

Cut for Clearance