



F-18C Wing Strengthening Addendum

with Photo Enhanced Instructions

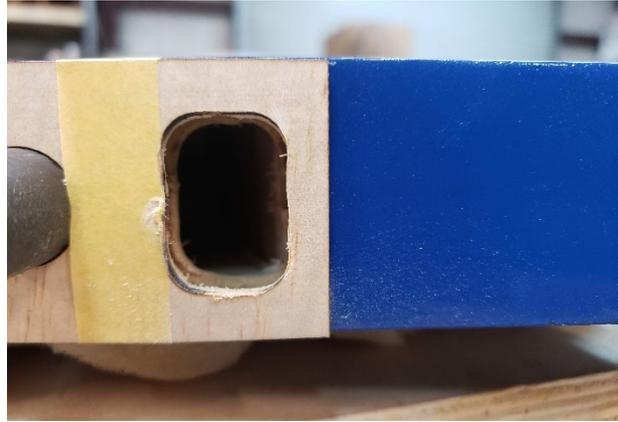


NOTICE: This addendum can be used as an in-the-field repair kit for aircraft that were produced and delivered before October 17, 2019.

- Tape the plywood template to wing root as shown.



- Use a Dremel tool with a Carbide Cutter to allow access to the internal structure of the wing.



- Use the end-grain Balsa to make 2 pieces 2.5" long that will fit between the ribs (#1 and #2) of the skin of the wing and Carbon Dowel. Some sanding of Balsa is required to achieve a good fit.



- Use part of the end grain to make a plug .5" long to fit between the root and rib #1.



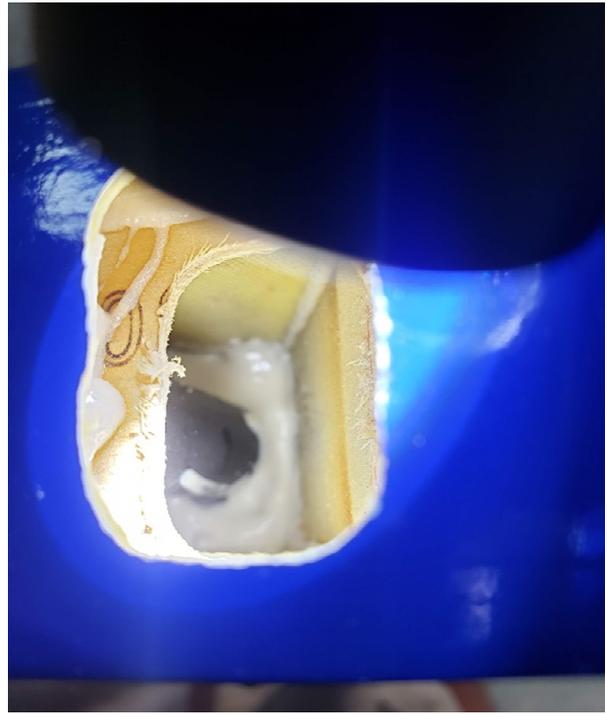
- Your end grain balsa will have a black line on it. This must be visible when the orientation is correctly achieved.



- The .5" plug goes in the location shown.



- Using the extended nozzle, stand the wing on its wing tip and apply glue around the spar and rib.



- Stand wing vertical on trailing edge and use the long nozzle to apply glue to wing spar area between Rib #1 and #2.

NOTE: You can adjust angle wing to help the Aeropoxy settle into the spar joint.



- Using the balsa support you made, apply a fair amount of Aeropoxy to them and slide them into the opening and place them between the #1 and #2 ribs. It will also touch the top and bottom skins and the spar.
- Use the supplied Epoxy Brushes to help spread the Aeropoxy around.



- Once finished, leave the wing standing vertical on the trailing edge until the Aeropoxy is cured (approximately 3 hours).

