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FW: 55 PT-19 Wing-Fuselage Fillets (Part 4)

1 message

Tandy Walker <rdb435021@icloud.com>
 To: Trevor Boundy <trevor@boundy39.com>

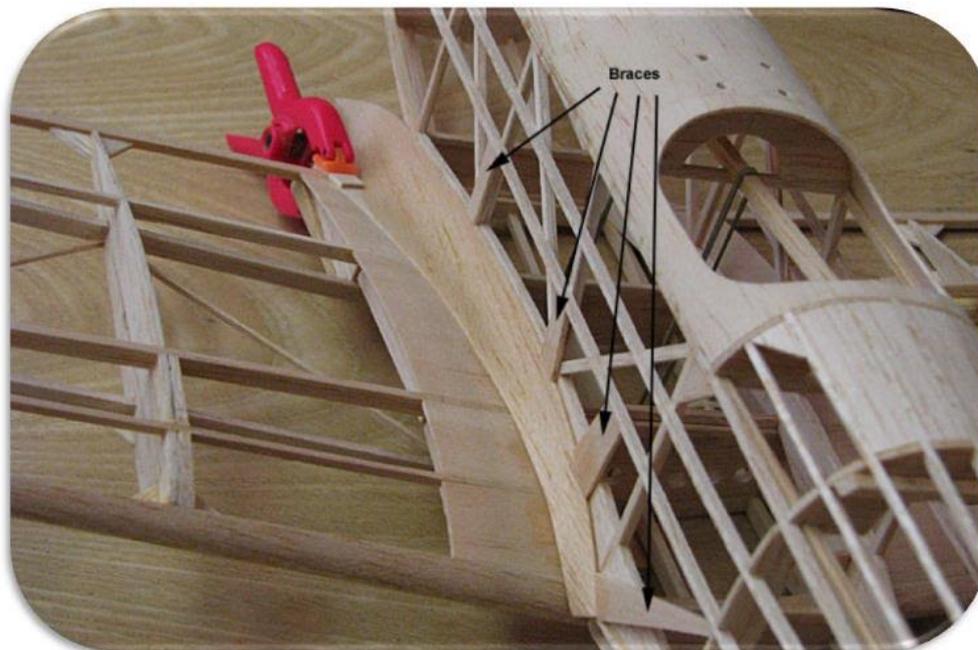
Thu, Aug 16, 2018 at 4:06 AM

From: Tandy Walker [mailto:tandyw@flash.net]
Sent: Wednesday, October 17, 2012 4:15 PM
To: Tandy Walker <tandyw@flash.net>
Subject: 55 PT-19 Wing-Fuselage Fillets (Part 4)

Fairchild PT-19 Military Trainer

October 17, 2012

A second attempt was tried today to make a 1/32" sheet balsa fillet. This time the fillet paper pattern printed in the plans was used, but slightly modified several times to achieve a better fit over the wing (*it is sometimes called hand tailoring*). Once the fillet was cut out of 1/32" balsa, it was wet with water and rolled over dowels of varying diameters to make it concave as per Gene Wallock's suggestion. The dampened balsa fillet was then clamped down at the trailing edge of the wing and forced over the wing down at the leading edge. Four temporary 1/16" braces were wedged in between the top edge of the 1/32" balsa fillet and the bottom stringer to hold the fillet in position as shown below. The top of the constrained fillet was wet with water and allowed to dry several times. Each time a 3/8" wooden dowel rounded into a ball on the end was used rub and pushed along the fillet's top concave surface to form and shape it in place. After the final wetting, it will be left constrained overnight to thoroughly dry out. Hopefully the 1/32" balsa fillet will then hold its final shape when it is removed in the morning.



It turns out that the top 1/32" edge of the fillet forms a natural shelf to cover to. Pieces of 3/32" X 1/8" strips tapered down to 1/32" X 1/8" at the bottom will be glued onto the fuselage vertical members between the top edge of the 1/32" balsa fillet and the bottom 1/8" stringer. The blue covering will then come down the side of the fuselage and out onto the fillet so the top edge of the 1/32" fillet is never seen. The bottom edge of the 1/32" fillet on the top of the wing will be pre-sanded on top down to feather edge where the blue covering will stop and the wing's yellow covering will start. There is still the issue of the front and rear ends of the fillet, which has to be addressed later. It still seems necessary to glue the wing to fuselage so the fillet can be properly glued in place

before covering.....Tandy

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