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FW: 70 PT-19 Fuselage Stringer Problem
1 message

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

Thu, Aug 16, 2018 at 4:13 AM

From: Tandy Walker [mailto:tandyw@flash.net]
Sent: Saturday, November 10, 2012 4:01 PM
To: Tandy Walker <tandyw@flash.net>
Subject: 70 PT-19 Fuselage Stringer Problem

Fairchild PT-19 Military Trainer

November 10, 2012

My day started off trying to cover the fuselage with blue tissue. I had gotten a lot of feedback on how quickly the blue Esaki Japanese tissue would fade, but that it was lighter, easier to work with, and stronger than the domestic tissue that came in the Easy Built kit. However, the domestic tissue would retain its color better and for some time. So my first attempt was to cover the section behind the second cockpit opening with the domestic tissue. Because of the tapering stringer structure, I had to moisten the tissue to get it to conform. Well, it started pulled apart like wet Kleenex! :O< I could see that this domestic tissue was not going to work for me, so I switched to the Esaki Japanese tissue. I was able to successfully cover the section behind the second cockpit opening, shrink it down with alcohol, and put on one coat of 25/75 clear dope. After this dried, I was going to cover the next two sections behind that one when I noticed a stringer unsightly problem. All five of the 1/16" X 1/8" stringers were noticeably sagging between the two bulkheads with only one coat of dope on the tissue. &##\$ I quickly put Acetone on the tissue and was able to remove it as shown below.



The obvious problem is that the stringers too weak to support the doped tissue, which just about made me sick. What needs to be done is the weak /16" X 1/8" stringers need to be carefully cut out and removed from all of the bulkheads. Then larger deeper stringers like 1/16" X 3/16" or even 1/16" X 1/4" used as replacements. I think the 1/16" X 1/8" stringers on the sides and up front are OK, but the five on top behind the second cockpit and the five on bottom all need to be replaced.

However, I too damn discouraged to continue further at this time. So I will stop this project just get away from it for a while to give myself time to recover and get my thinking straight again.....Tandy

"If I didn't have such bad luck, I wouldn't have any luck at all!"

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