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FW: 44 Rocketeer A - Left Wing Polyhedral Joint

1 message

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Thu, Mar 21, 2019 at 5:02 AM

From: Tandy Walker [mailto:aerotan1503@outlook.com]
Sent: Saturday, January 24, 2015 4:55 PM
Subject: 44 Rocketeer A - Left Wing Polyhedral JointWeb Site: [Tandy's Model Aircraft](#)*Rocketeer A**January 24, 2015*

The two temporary A-1 ribs were removed from the left wing polyhedral joint, leaving the spars and LE & TE aligned and butt glued together. Two 2" long 1/32" plywood doublers were cut out and glued to the front and rear faces of the main spars at the joint. Six clamps were used to hold the doublers in place as shown below while the aliphatic glued dried. A 2" long 1/32" plywood doubler was also glued to the rear face of the 3/16" X 3/8" leading edge.



Then a A-1 rib was cut out of 3/32" sheet balsa and separated into two sections. The forward section was glued in between the LE and main spars and rear section was glued in

between the main spars and the trailing edge as shown below. 1/16" gussets were glued on either side of the rib to reinforce the rib/TE joint. This forms the polyhedral rib and the extra (3/32") thickness is to accommodate the covering overlap joint at the polyhedral break.....Tandy

