



Trevor Boundy <trevor@boundy39.com>

FW: 37 J-3 CubTail Wheel

1 message

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

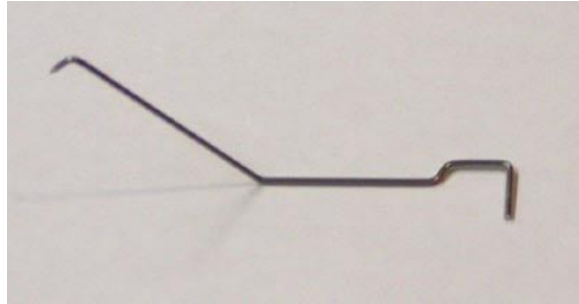
Thu, Aug 29, 2019 at 1:21 PM

From: Tandy C. Walker [mailto:tandyw@flash.net]
Sent: Sunday, October 28, 2007 10:45 PM
To: Walker, Tandy C. <tandyw@flash.net>
Subject: 37 J-3 CubTail Wheel

This afternoon I laid up the left rear window laminated spline, which has to dry overnight. So while I was waiting, I decided to use the time to build up the tail wheel assembly and install it on bottom of the rear fuselage. First I glued the two 3/32" round balsa wheel halves together. Then I sanded the wheel to shape, which was a little difficult and took some time to do it right because the wheel is small (*only 1/2" in diameter*). I drilled out the axle hole in the wheel with an .065" bit and inserted the short piece of .065" aluminum tube I used for the tail wheel bearing, which you can see in the picture below. The aluminum tube bearing was CA'ed in place



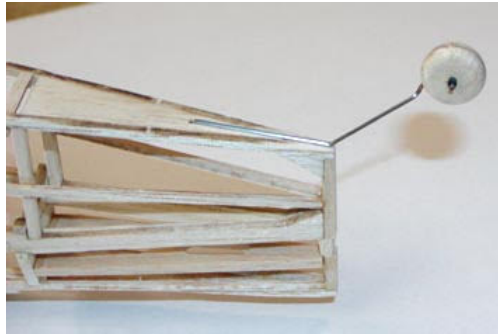
I bent the .031" piano wire into the shape of the tail wheel landing gear using the plan pattern as shown below.



I cut a 1/16" length of insulation from a piece of small black ignition wire to use to keep the wheel on the wire. I slipped the tail wheel onto the landing gear axle and then forced the 1/16" length of insulation onto the wheel axle to retain the wheel as shown below. A quick check showed that the wheel spins freely on the axle. Later, after the wheel is painted black, I will CA the piece of insulation in place permanently.



I grooved the bottom of the fuselage so the landing gear would fit down flush with the bottom of the fuselage and CA'ed it in place as shown below. Later I will glue on a small wedge of silk over this to further reinforce the bond before I cover the fuselage with yellow tissue.



The picture below shows the tail wheel assembly installed on the fuselage, which sets the stance of the fuselage. Seems like a lot of "to-do" over a tiny balsa tail wheel doesn't! Well anyway, this one more detail out of the way.....Tandy

