

From: ["Tandy C. Walker" <tandyw@flash.net>](mailto:tandyw@flash.net)

To: ["Lollar, James" <jlollar@cableone.net>](mailto:jlollar@cableone.net)

Date: 8/22/2010 2:57:38 PM

Subject: Use of the 4-40 Allen screws with Drilled Heads on the Sailplane

James,

This afternoon I cut the length of four 4-40 Allen screws with drilled heads down to 1/2". I removed the four nylon screws holding the Sailplane's stab on and put in these four 1/2" screws using a brass washer over a nylon washer. After snugging them down, I ran a piece of 28 Ga. brass safety wire through the holes in the heads and twisted the ends together as shown below.



This picture is a little out of focus, but it does show all four screws in place and wired together.



I have always been concerned about the two 4-40 screws vibrating loose in front that hold the cowl on. So I use the new 4-40 screws with the drilled heads and safety wired them as shown below. I do not like the looks of the routing of the safety wire, but it is functional. However, I will think about this for a while and see if there isn't a better routing path around the timer assembly. I love these drilled head screws James and I can think of all kinds of applications for them.....Tandy

