Deviation From Design

DfD : DfD-0008	Taran Laval – SAAA Builder 7417 Van's Aircraft RV7 - 73918

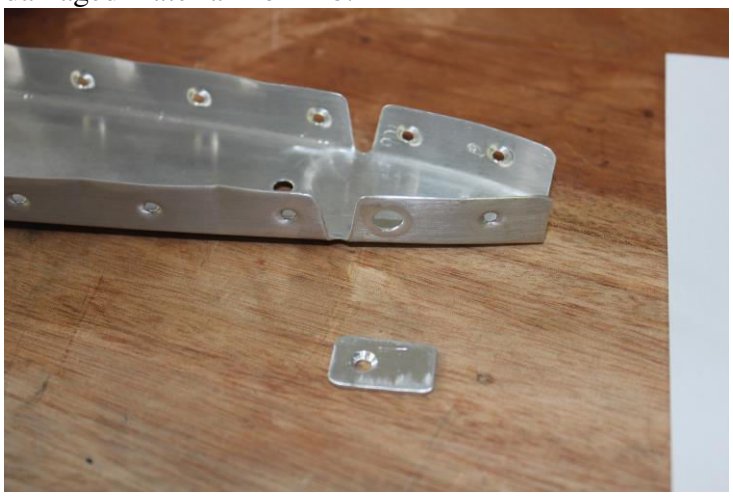
VS-706 Mis Dimple

BACKGROUND:

During Dimpling mis-dimpled flange on VS-706 Rib, Then drilled out to #30 in an attempt to fix. At this point a crack appered so I contacted Vans, they replied: *"You can cut the entire flange section away and rivet a new one on, the match drill to the skin. Or you can put a small dimpled doubler under the damaged hole and use a slightly longer rivet."*

ACTION TAKEN:

I made a small doubler to put under the damaged hole, countersunk to fit dimple & removed damaged material from rib.



Date: **10/11/12**

Deviation From Design

DfD : DfD-0008	Taran Laval – SAAA Builder 7417 Van's Aircraft RV7 - 73918

VS-706 Mis Dimple

From: kens@vansaircraft.com
Subject: Re: figure 8 dimple
Date: 13 November 2012 2:45:40 AM AEDT
To: Taran Laval <taranlaval@allboutaircraft.com>

You can cut the entire flange section away and rivet a new one on, the match drill to the skin.
Or you can put a small dimpled doubler under the damaged hole and use a slightly longer rivet.

Forwarded by: "Support" <Support>
Forwarded to: kenS
Date forwarded: Mon, 12 Nov 2012 07:25:45 -0800
From: Taran Laval <taranlaval@allboutaircraft.com>
Subject: figure 8 dimple
Date sent: Sat, 10 Nov 2012 17:32:43 +1100
To: Vans' Aircraft Technical Support <support@vansaircraft.com>

hi mate
builder 73918 here,
I have made myself a figure 8 dimple on the 2nd rivet from the front on vs-706, i have then attempted to fix this with an oops rivet but when i looked closely after drilling out to #30 it seems that the hole had a small crack coming from it, i hit it with the scotchbrite hoping it was a scratch with no luck, what are my options here? Am i able to remove that small piece of tab and put a rivet in the skin or drill the whole dimple out of the flange and put a rivet in the skin as marked?

thanks

Taran Laval
Builder 73918
Sydney Australia