

Subject: [c-a] Re:aileron span mods

Date: Sat, 5 Feb 2000 23:33:12 -0500

From: Dick Kreidel <longez@concentric.net>

To: "othnin-girard" <fpzbx@free.fr>, canard-aviators@canard.com

[The Canard Aviators's Mailing list]

I've flown quite an number of "aileron enhanced" EZ's, including Dick Rutan's which also has a 6" aileron span increase. IMHO, none of them were significantly better than a stock Long to justify the trouble.

HOWEVER, the Berkut's ailerons are extra super-doooper neat!! Dave Ronneberg spent a lot of time in testing at least 4 iterations of aileron configuration before settling on the current excellent design. At least of Dave's early ideas wasn't really safe (aileron snatch), so I caution those of you who enjoy experimenting.

If I were building another Long, I'd copy the Berkut's aileron planform and moments. The Berkut's ailerons are wider in chord than a Long, as are the relative lengths of the upper and lower surfaces. The Berkut's nice aileron harmony is not related to the retracts as some people surmise, as I've flown an acro routine in the prototype with the gear hanging in the breeze and retracted with no discernable difference.

But be real careful when making mods like this!!

Dick Kreidel

>

>What [does] mister RUTAN think about this aileron length mod?

>

>Roland

>

>-----Message d'origine-----

>De : Jeff Russell <JRaero@gte.net>

>Objet : Re: [c-a] Increased-span ailerons?

>>

>>Erik Anderson wrote:

>>

>>> I want to increase the span of the ailerons. Anything to increase roll
>>> response will also increase control harmony; not a bad thing. And I
>>> know this is not an uncommon mod; I've seen a few out there.

>>>

>>

>>Only add 6" in length to the ailerons and the rudder conduit works
>>great.

>>--

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