

Subject: Re: [c-a] Fuel Caps

Date: Mon, 4 Oct 1999 17:30:25 -0400

From: CBuschksee@aol.com

To: canard-aviators@canard.com, bill@billyallen.com

[The Canard Aviators's Mailing list]

In a message dated 10/2/99 11:56:13 PM PST, bill@billyallen.com writes:

<<

The Brock caps will let fuel out and water in. There has been much discussion on them here.

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Well, if everybody isn't tired of this discussion already, here is another solution to the Brock fuel cap "water in/fuel out" problem.

I had already installed the Brock caps during construction in 1981. My main problem was with fuel weeping out of the tank during climbout.

To fix the problem:

1. I removed the Dzus fitting and riveted a doubler made from 0.062" 2024 to the inside of the cap.
2. Drilled the center hole for the Dzus and then carefully machined an o-ring groove in the cap under where the head of the Dzus sits.
3. Sealed the rivets from the inside with a little Safty-Poxy.
4. Reassemble with an o-ring of suitable size under the Dzus. You may have to add a couple washers between the cotter key and the cap on the inside to get the cap to lift properly when removing.

Did this in about 1984 or so and have been happy with the caps since. No water in the tanks, no fuel on the strakes, easy to accomplish and inexpensive.

Chuck Busch
Long Ez N143CL