



Outlook

RE: Followup Photos - input needed

From [REDACTED]

Date Mon 12/1/2025 7:00 AM

To Stephen Stein [REDACTED]

 1 attachment (306 KB)

Screenshot 2025-12-01 085920.png;

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It uses a bushing and the bolt shaft is more like a pin so it can rotate in the assembly

- Jerry Mehlhaff Jr
- VP Engineering
- American Champion Aircraft
◇◇ Celebrating 35+ Years! ◇◇

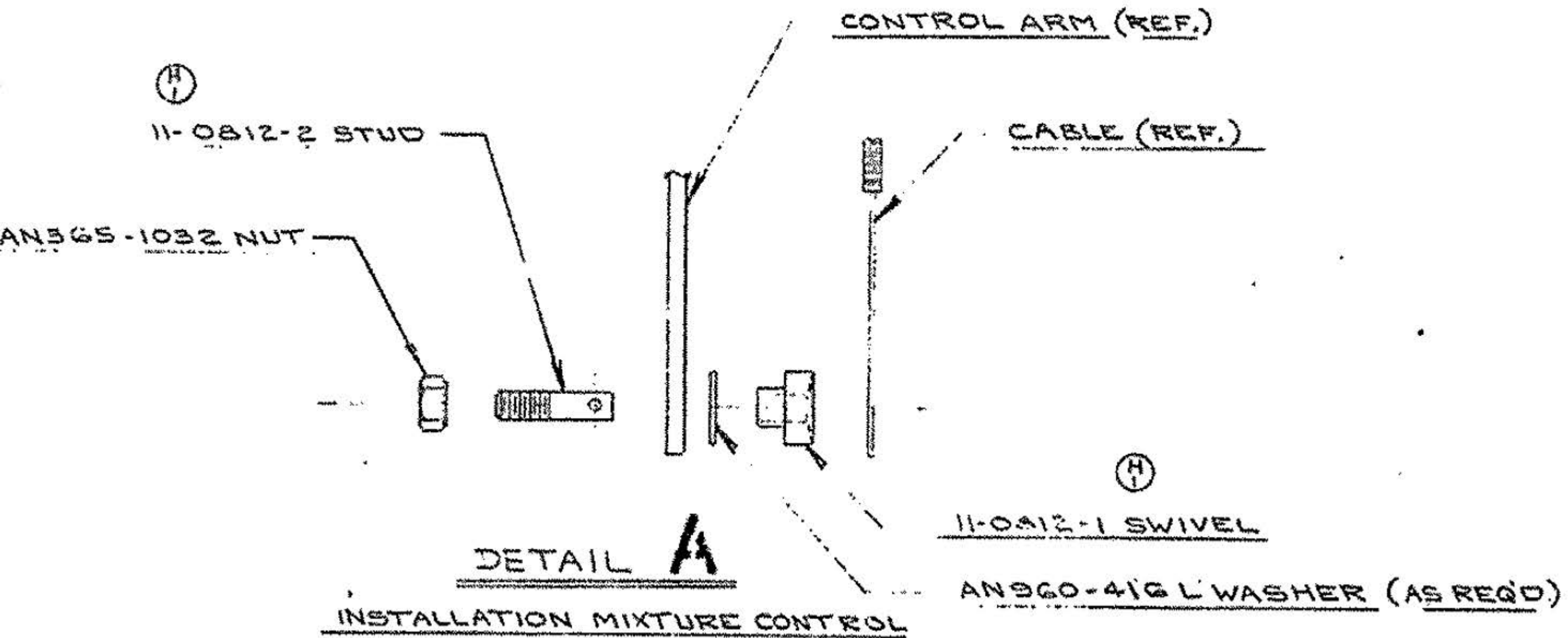
From: Stephen Stein <[REDACTED]>

Sent: Sunday, November 30, 2025 8:48 AM

To: [REDACTED]

Subject: Re: Followup Photos - input needed

Hi Jerry - one question - the two bolts crushing the cable is from the pic below correct (I believe this is at the mixture control arm of the carb)? I'm wondering what the swivel design looks like.





From: [REDACTED]
Sent: Wednesday, November 26, 2025 8:25 AM
To: Stephen Stein <[REDACTED]>
Subject: RE: Followup Photos - input needed

[CAUTION] This email originated from outside of the organization. Do not click any links or open attachments unless you recognize the sender and know the content is safe.

Hi Stephen

Yeah, the first one was all I needed. We cant find that set up in the type design.
It looks like 2 washers crushing a loop on the cable.

They type designs have a 'swivel' function that lets the cable rotate in order to have mostly a tension/compression in the cable. This does not.

What you will see is that the broken mixture cable is work hardened and failed (i.e. fatigue) because its constantly being bent...when the intent is pushing and pulling not bending

[REDACTED]

- Jerry Mehlhaff Jr
- VP Engineering
- American Champion Aircraft

From: Stephen Stein <[REDACTED]>
Sent: Monday, November 24, 2025 8:17 AM
To: [REDACTED]
Subject: Fw: Followup Photos - input needed

Good morning Jerry - following up to see if you had a chance to look at the photos (you should have received a link from our third party service, BOX). I also need the maintenance manual excerpt that references the bracket and hardware.

Thanks!

From: Stephen Stein
Sent: Friday, November 14, 2025 5:50 AM
To: [REDACTED]
Subject: Followup Photos

Good morning Jerry - Per your voicemail I'm sending as many of the mixture cable installation photos as I can (sadly we don't have a lot of clear images). You'll see the installation on that bracket and installation at carb.

The link is with a third party service we use known as Box. Please let me know if you have any issue accessing the file folder.

Also, I'd like to get a drawing or any document that has the proper name for that bracket that supports the mixture cable.

Thanks!

Stephen Stein
Deputy Regional Chief - Western Pacific Region
Office of Aviation Safety
National Transportation Safety Board
32125 32nd Ave S, Suite 140
Federal Way, WA 98001
[REDACTED]

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