



SERVICE BULLETIN

No. 645A

Piper Aircraft Corporation

Lock Haven, Pennsylvania, U.S.A.

FAA/DOA SO-2 Approved

July 2, 1979

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(Service Bulletin No. 645A supersedes and voids Service Bulletin No. 645 dated March 27, 1979.)

<u>Subject:</u>	Crossfeed Valve Inspection
<u>Reason for Revision:</u>	To add Serial Numbers
<u>Models Affected:</u>	<u>Serial Numbers Affected:</u>
PA-31-300/PA-31/ PA-31-325 Navajo	31-2 through 31-7812108, 31-7812116, 31-7812120 through 31-7812123, and 31-7812125
PA-31-350 Chieftain	31-5001 through 31-7852138, 31-7852140 through 31-7852193
<u>Compliance Time:</u>	Within the next one hundred (100) hours of operation or at the next scheduled inspection event, whichever occurs first.

Purpose:

It has been determined that in some of the above referenced aircraft, the crossfeed valve actuating arm may be connected to the crossfeed valve with aluminum rivets rather than soft steel rivets. This Service Release provides instructions for the inspection of the rivets and the replacement of any aluminum rivets with soft steel rivets to lessen the possibility of a sheared rivet and resulting interference with crossfeed operation.

Instructions:

1. Gain access to the crossfeed valve (Piper Part No. 492 110) by removing the access panel on the lower left wing root.
2. Inspect the two (2) rivets securing the crossfeed actuating arm to the crossfeed valve (Refer to attached Sketch.) The aluminum rivets have a brazier type head and are non-magnetic. Soft steel rivets have a half round head and are magnetic.
3. If the rivets are soft steel (Piper Part No. 422 590), no further action is necessary. Reinstall access panel and make appropriate logbook entry of compliance.

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Instructions: (continued)

4. If the rivets are aluminum (Piper Part No. 420 189), remove and replace Tinnermann nuts, and remove and replace any aluminum rivets (420 189) with soft steel rivets (422 590).
5. Check valve for secure attachments and proper action.
6. Reinstall access panel and make appropriate Logbook entry of compliance.

Material Required:

One (1) or Two (2) each per aircraft, as required:

Rivet (3/32 x 5/8 RD. HD. Soft Steel) Piper Part No. 422 590, Nut (Tinnermann A1553-012-1) Piper Part No. 406 385, Washer (Rivet Burr 13) Piper Part No. 408 947.

Availability of Parts:

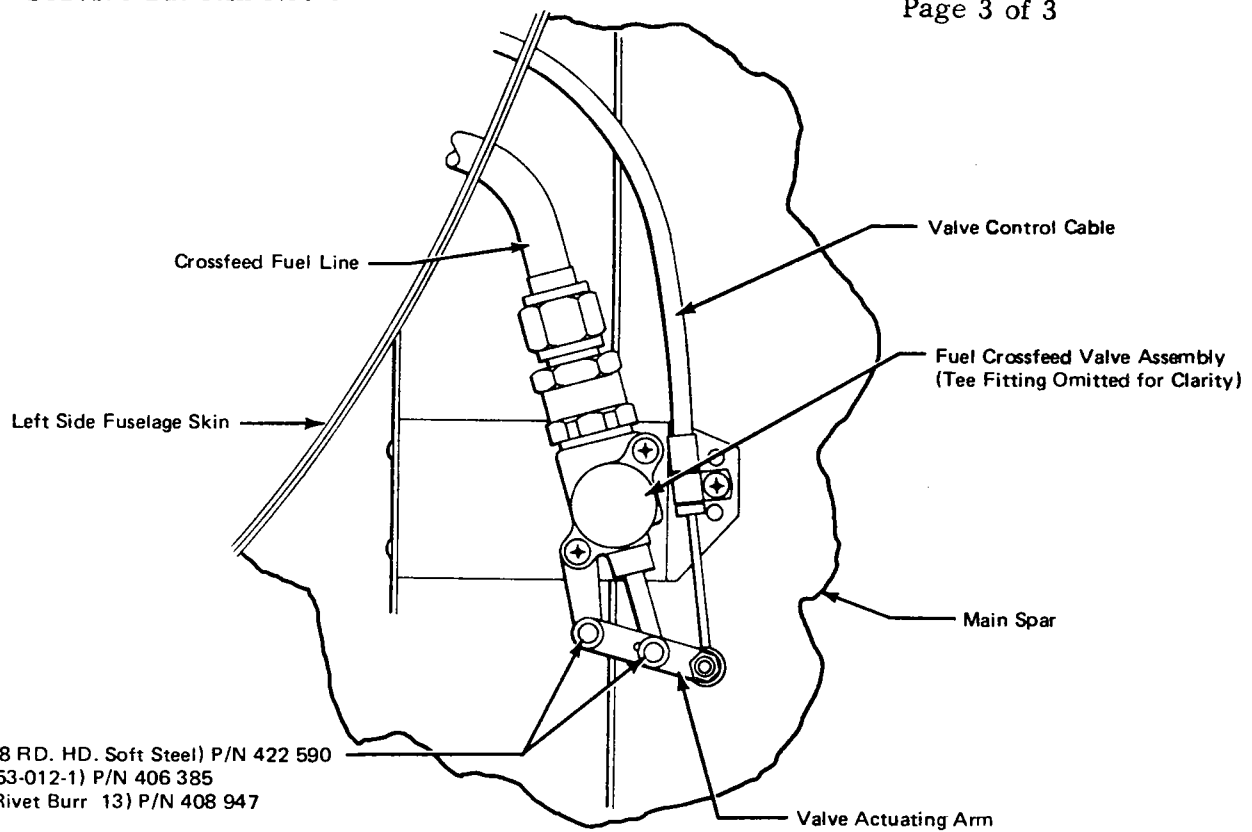
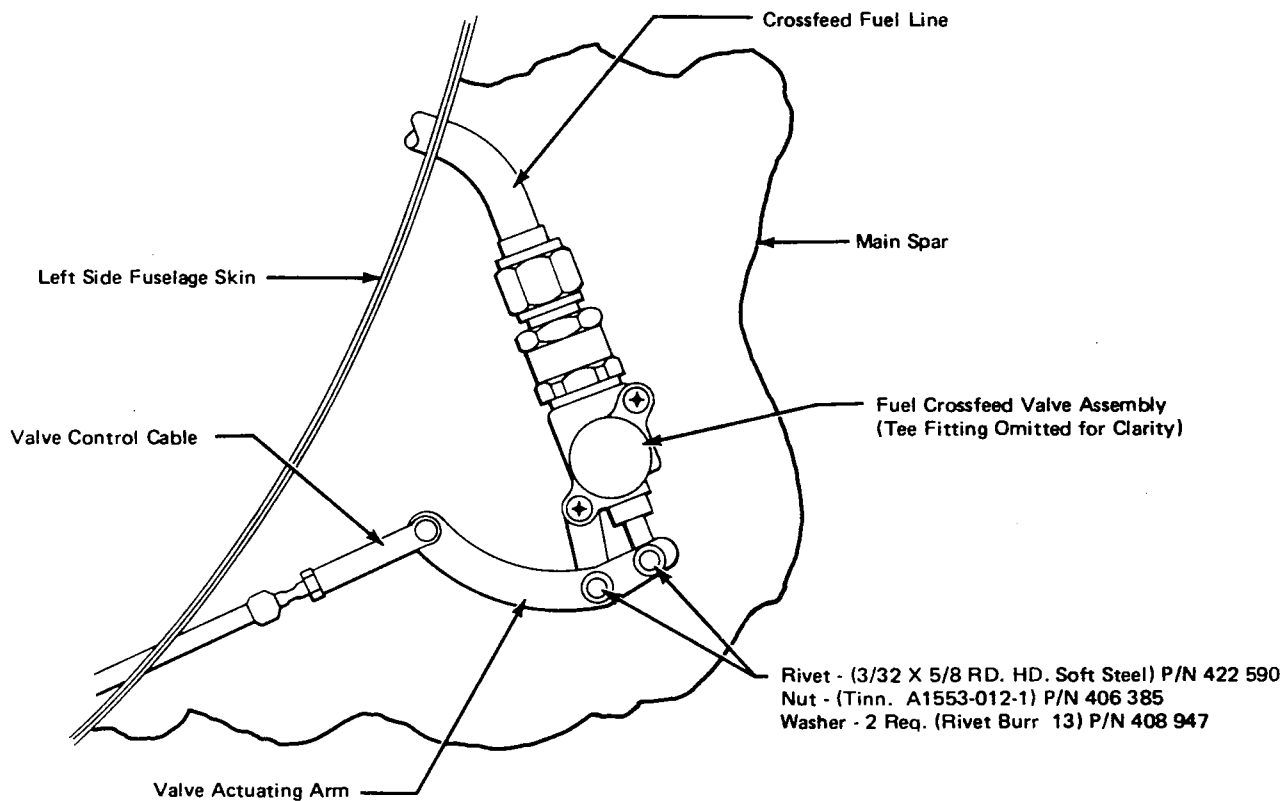
Your Piper Field Service Facility, or obtain locally.

Effectivity Date:

This Service Release is effective upon receipt.

Summary:

Please contact your Piper Field Service Facility to make arrangements for compliance with the provisions of this Service Release in accordance with Compliance Time, above. Reimbursement is available for each affected aircraft for up to one half (.5) hour labor for inspection and up to an additional one (1) hour labor if replacement is required by inspection. Please comply with the respective credit application procedure of your local Piper Field Service Facility.

PA-31 & PA-31-325PA-31-350