



SERVICE No. 530 BULLETIN

Piper Aircraft Corporation

Lock Haven, Pennsylvania, U.S.A.

"Modification DOA EA-1 Approved"

December 10, 1976 M

Subject:

Fuel Crossfeed Operation.

Models Affected:

PA-23-260 (6 place) and
PA-E23-250 (6 place) Aztec

Serial Numbers Affected:

27-2000 to 27-2504 Inclusive (Fuel Injected Only);
27-2505 to 27-7754044 Inclusive.

Compliance Time:

Immediately upon receipt. Compliance - and related Aircraft Log Book entry - may be accomplished by the owner/operator.

Purpose:

Reports from the field describe the possibility of experiencing a fuel flow interruption (if proper crossfeed procedure is not followed) after switching from crossfeed operation to normal operation.

It is recommended that crossfeed operation be limited only to extend cruise range during single engine operation. Follow the new revised flight manual procedure. Do not use crossfeed as a routine procedure to balance fuel load or other purposes. This service release provides this operational data by means of instructions to revise related Owners Handbook/Pilots Operating Manual information and new revised Airplane Flight Manual pages.

Instructions:

1. Owners Handbook/Pilots Operating Manual revision;
 - a. Locate the "Fuel System" heading in the "Design Information" or "Description" section of the Owners Handbook/Pilots Operating Manual.
 - b. Locate and "crosshatch" with ink any reference to fuel system crossfeed operation.
 - c. In the margin of the pages corrected per b., above, write (in ink) "Refer to Airplane Flight Manual".

 2. New revised Airplane Flight Manual data;
 - a. From the following list, determine the proper Airplane Flight Manual Piper Report Number applicable to your airplane (by airplane serial number). Select and detach the proper Revision Log page and revised Airplane Flight Manual that applies to your airplane and insert in your existing Airplane Flight Manual; Discard and destroy non-applicable Flight Manual pages.
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Instructions: (continued)

Group #1

Airplane Serial Number	Description	Piper Report No.
27-2000 to 27-2504 Incl.	Fuel Injected Only -	1204
27-2505 to 27-3943 Incl.	4800# Gross Weight Only	1308
27-2505 to 27-3943 Incl.	5200# Gross Weight Only	1360
27-3837, 27-3944 to 27-4573 Incl.	5200# Gross Weight Only	1520
*27-2505 to 27-3943 Incl.	*4995# Gross Weight Only	*1378
*27-3837, 27-3944 to 27-4573 Incl.	*4995# Gross Weight Only	*1521
*27-4574 to 27-7554168 Incl.	*4995# Gross Weight Only	*1631
*Applies to PA-E23-250 (6 place) Aztec - <u>United Kingdom only</u> .		

Group #2

Airplane Serial Number	Pilots Operating Manual/Revision	Piper Report No.
27-4426, 27-4574 to 27-7554168 Incl.	761 455, Rev. PR 761 123	1630

Group #3

27-7654001 to 27-7754044 Inclusive.	761 594, Rev. PR761119	1948
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Material Required:

(See Instructions No. 2 above).

The Flight Manual/Pilots Operation Manual data referenced above will be distributed with this service release in the following manner:

1. All copies of this service bulletin published will contain one copy of Airplane Flight Manual revisions specified in Group #1 (ref. Instructions No. 2, above.).
2. For properly registered domestic (U.S.) owners of record, serial numbers 27-4426, 27-4574 to 27-7554168 Inclusive, a copy of POM 761 455, Rev. PR 761 123, Piper Report No. 1630 will be provided (in addition to no.1., above).
3. For properly registered domestic (U.S.) owners of record, serial numbers 27-7654001 to 27-7754044 Inclusive, a copy of POM 761 594, Rev. PR 761 119, Report No. 1948 will be provided (in addition to no. 1., above).
4. For international owners of aircraft serial numbers 27-4425, 27-4574 to 27-7754044 Inclusive, copies of the revised information described in nos. 2 and 3, above will be made available through your respective Piper distribution organization.

Availability of Parts:

Not Applicable.

Effectivity of Date:

This service bulletin is effective upon receipt.

Summary:

Compliance with the provisions of this service release may be accomplished by the owner/operator and involves only a brief amount of time and no material costs.