



SERVICE BULLETIN

 No. 560

Piper Aircraft Corporation

Lock Haven, Pennsylvania, U.S.A.

"Modification DOA EA-1 Approved"

April 4, 1977 M

Subject:

Recommended Operating Procedure; Asymmetric Flap Condition.

Models Affected:

Serial Numbers Affected:

- PA-31 Navajo 31-2 to 31-7612110 Inclusive
- PA-31-300 Navajo 31-228 to 31-511 Inclusive
- PA-31-325 Navajo 31-7400990, 31-7512006 to 31-7612110 Inclusive
- PA-31-350 Navajo Chieftain 31-5001 to 31-7652177 Inclusive
- PA-31P Pressurized Navajo 31P-1 to 31P-7630019 Inclusive
- PA-31T Cheyenne 31T-7400002 to 31T-7620057 Inclusive

Compliance Time: Immediately upon receipt of material (see Material Required, below), not to exceed the next 100 hours of operation.

Purpose: The flap control system in the above referenced aircraft models has been addressed in prior service releases (Piper Service Bulletin No. 494/494A and Service Letter No. 764), primarily dealing with flap system inspection and component replacement, and recommended system maintenance guidelines, respectively. In addition, current Service Manual information reflects the latest inspection/maintenance data.

This Service Release announces Pilot's Operating Manual revisions containing operational recommendations relative to proper flap operation, particularly if an asymmetric ("split") flap condition is encountered. This information may be obtained for the above referenced aircraft in accordance with the Material Required section, below. Generally, the revised information affects the Operating Manual ("Description - Airplane and Systems" and "Operating Tips") and the Airplane Flight Manual sections of the complete Pilot's Operating Manual.

Instructions: Obtain (per Material Required, below) and insert in existing POM/AFM in accordance with "Revisions" page. Make appropriate log book entry indicating compliance with this bulletin.

Material Required: One each per aircraft of one of the following:

<u>Aircraft Model</u>	<u>Serial Numbers Affected</u>	<u>Pilot's Operating Manual-Part No.</u>	<u>Revision Number</u>
PA-31 Navajo	See Note 1, below	753 702	PR770304
PA-31-300 Navajo	See Note 2, below	753 780	PR770307
PA-31 Navajo	See Note 3, below	761 456	PR770204
PA-31 Navajo	31-712 to 31-751 incl. (without Wing Lockers)	761 472	PR770223

Material Required: (Continued)

<u>Aircraft Model</u>	<u>Serial Numbers Affected</u>	<u>Pilot's Operating Manual-Part No.</u>	<u>Revision Number</u>
PA-31 Navajo	31-660, 31-712 to 31-751 incl. (with Wing Lockers)	761 483	PR770222
PA-31 Navajo	31-752 to 31-7612110 incl.	761 501	PR770224
PA-31-325 Navajo	31-7400990, 31-7512006 to 31-7612110 incl.	761 571	PR770127
PA-31-350 Chieftain	31-5001 to 31-7652177 incl.	761 486	PR770225
PA-31P Pressurized	31P-1 to 31P-7630019 incl.	753 768	PR770301
PA-31T Cheyenne	31T-7400002 to 31T-7620057	761 560	PR770310

Notes (from Serial Numbers Affected column, immediately above)

1. This manual/revision affects PA-31 Navajo serial numbers 31-2 to 31-659 incl., 31-661 to 31-711 incl. (original "owners handbook" and separate Airplane Flight Manual).
2. This manual/revision affects the 300 horsepower normally aspirated Navajo with original powerplant configuration (i.e., not modified to 310 horsepower turbocharged configuration).
3. This manual/revision affects PA-31 Navajo serial numbers 31-2 to 31-659 incl., 31-661 to 31-711 (combined "Pilot's Operating Manual", which includes Airplane Flight Manual).

Availability of Parts: Your Piper Field Service Facility.

Effectivity Date: This Service Bulletin is effective upon receipt.

Summary: Please contact your Piper Field Service Facility to make arrangements for compliance with this Service Release in accordance with Compliance Time, above, by ordering the Pilot's Operating Manual revision applicable to your aircraft. This material will be provided on a no charge basis.