



SERVICE BULLETIN

No. 461

Piper Aircraft Corporation

Lock Haven, Pennsylvania, U.S.A.

"FAA DOA EA-1 Approved"

April 17, 1975

Subject:

Encoding Altimeter Harness Rewiring.

Models Affected:

PA-23-250 (Six Place) Aztec

PA-31-310 Navajo

PA-31-350 Navajo Chieftain

PA-31P

Serial Numbers Affected:

27-740540, 27-7554002, 27-7554007, 27-7554010,
27-7554030.

31-7512001.

31-7405456, 31-740505459, 31-7405461, 31-7405492,
31-7552001, 31-7552002, and 31-7552006.

31P-7530001.

Compliance Time:

Within the next ten (10) hours of operation.

Purpose:

Our records indicate above referenced aircraft contain a factory installed Aero Mechanism 8141 Encoding Altimeter System.

This type encoding altimeter utilizes a vibrator which is designed to insure smooth operation of the altitude indicator hand. The power source for the vibrator mechanism is presently routed through the transponder circuit breaker. With loss of power to the vibrator, the altimeter may give an erroneous reading.

The Encoding Altimeter Harness Rewiring kits listed below provide a separate two amp circuit breaker for the encoding altimeter vibrator unit. Installation of this modification will allow continued operation of the encoding altimeter should a transponder failure occur. Instructions are contained in the appropriate Encoding Altimeter Harness Rewiring Kit (Reference Material Required, below).

Material Required:

1. For all affected Aircraft referenced above except PA-31P, serial number 31P-7530001; one (1) each per aircraft Piper kit number 760-971, Encoding Altimeter Harness Rewiring Kit.
2. For PA-31P Navajo, serial number 31P-7530001 only; (no kit number assigned) "Encoding Altimeter Harness Rewiring, PA-31P, serial number 31P-7530001".

(over)

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 the provisions of this service release. Appropriate modification material described above and three (3) hours labor allowance credit per aircraft are provided free of charge through your Piper Field Service Facility.