



The New Piper Aircraft, Inc.
2926 Piper Drive
Vero Beach, Florida, U.S.A. 32960

SERVICE *No.* 1032 BULLETIN

PIPER CONSIDERS COMPLIANCE MANDATORY

Date: July 15, 1999 (M)

SUBJECT:

Elevator Spar Refinement

MODELS AFFECTED:

PA-31T Cheyenne/Cheyenne II
PA-31T1 Cheyenne I/Cheyenne IA
PA-31T2 Cheyenne IIXL

SERIAL NUMBERS AFFECTED:

31T-7400002 through 31T-8120104
31T-7804001 through 31T-1104017
31T-8166001 through 31T-1166008

COMPLIANCE TIME: At the next regularly scheduled event inspection but not to exceed twelve (12) calendar months from the effective date of this Service Bulletin.

APPROVAL: The technical contents of this Service Bulletin have been approved by the Federal Aviation Administration (F.A.A.).

PURPOSE: It has been determined that the possibility exists for cracks to develop in the outboard portion of the elevator spar. The initial crack may not be seen without disassembly of the elevator in this area. In extreme cases, cracks may appear in the skin at the elevator spar near the top outboard end. To remedy this condition, Piper has developed a kit to strengthen the affected area. Left uncorrected, the integrity of the elevator may be affected at or near the outboard hinge.

This Service Bulletin requires the installation of an Elevator Spar Modification Kit which, when installed, will remedy the condition described above.

INSTRUCTIONS:

NOTE: Check for prior compliance with Service Bulletin 481A, dated November 3, 1975, "Elevator Assembly Inspection and Elevator Butt Rib Replacement", comply if required.

NOTE: Check for prior compliance with Service Bulletin 504, dated June 1, 1976, "Elevator Hinge System Modification", comply if required.

NOTE: Check for prior compliance with Service Bulletin 658, dated July 31, 1979, "Elevator Inspection and Reinforcement", comply if required.

NOTE: Check for prior compliance with Service Bulletin 897B, dated July 15, 1997, "Elevator Butt Rib Refinement", comply if required.

(OVER)
ATA: 2730

INSTRUCTIONS: (Cont'd)

1. Install the Elevator Spar Modification Kit (1 per aircraft), Piper Part Number 766-655. All of the necessary instructions for installation are contained in the Elevator Spar Modification Kit. For reference, see Fig.'s 1 & 2.
2. Prior to re-installation of the elevator but after paint touch up, check the control surface for proper balance. Balance as required. Refer to the applicable Maintenance Manual in the appropriate chapter for control surface balancing.
3. Make an appropriate logbook entry of compliance with this Service Bulletin.

MATERIAL REQUIRED:

One (1) each Elevator Spar Modification Kit, Piper Part Number 766-655, per aircraft.

AVAILABILITY OF PARTS:

Your Piper Field Service Facility.

SUMMARY:

There is no applicable factory participation for this Service Bulletin.

Please contact your factory authorized Piper Field Service Facility to make arrangements for compliance with this Service Bulletin in accordance with the compliance time indicated.

NOTE: If you are no longer in possession of this aircraft, please forward this information to the present owner/operator and notify the factory of address/ownership corrections. Changes should include aircraft model, serial number, current owner's name and address.

Corrections/Changes should be directed to:

The New Piper Aircraft, Inc.
ATTN: Customer Services
2926 Piper Drive
Vero Beach, FL 32960

