

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

Airworthiness Directive

83-20-03 PIPER: Amendment 39-4739. Applies to Models PA-36-285, PA-36-300 and PA-36-375 (all serial numbers) airplanes certificated in any category.

COMPLIANCE: Required as indicated unless already accomplished.

To prevent failure of wing structural components because of fatigue damage, accomplish the following:

- a. Replace the structural components specified below at the time-in-service set forth in Table I. If, on the effective date of this AD, the component has accumulated or will accumulate within an additional 100 hours time-in-service, the number of hours time-in-service at which replacement is required, accomplish the replacement within the next 100 hours time-in-service after the effective date of this AD.

Table 1

Compliance Times (Component time-in-service, hours)							
Airplanes	Type of Replacement	Paragraph of AD					
Models PA-36-285 & 300		a.1)* a.2) a.3)	a.4)	a.5)	a.6)	a.7)	a.8)*
S/Ns 36-7360001 thru 36-7560003	Initial Repetitive	4100 4100	4100 4100	N/A N/A	N/A N/A	3100 4100	2000 2000
S/Ns 36-7560004 thru 36-7560055	Initial Repetitive	4100 4100	N/A N/A	N/A N/A	4000 4100	4000 4100	2000 2000
S/Ns 36-7560056 thru 36-7660122	Initial Repetitive	4100 4100	N/A N/A	4100 4100	4000 4100	N/A N/A	2000 2000
S/Ns 36-7660123 and up	Initial Repetitive	4100 4100	N/A N/A	4100 4100	N/A N/A	N/A N/A	2000 2000
Model PA-36-375	Initial Repetitive	4100	N/A	4100	N/A	N/A	2000
S/Ns 36-7802001 and up		4100	N/A	4100	N/A	N/A	2000

*Compliance with paragraphs a.1) and a.8) is also required whenever applicable bolt is removed.

- 1) Replace the Wing Attachment Upper Bolts P/N 77245-00 with unused bolts. Replacement is also required whenever bolt is removed.
- 2) Replace Wing Carry-Through Spar Fittings, P/N 97713-00, -02, or -03, with an unused P/N 97713-03 fitting.
- 3) Replace Wing Spar Fitting, P/N 97712-00 with an unused P/N 97712-00 fitting.
- 4) Replace Spar Carry-Through Assembly, P/N 76824-02, if installed with an unused

Assembly P/N 76824-02.

5) Replace Spar Assembly P/N 97701-00 and -01, Revision P, or later revision with Piper Spar Cap Replacement Kits Number 764393, Left Spar Assembly, and 764394, Right Spar Assembly.

6) Replace Spar Carry-Through Assembly, P/N 76767-00 or P/N 76824-02 with an unused P/N 76824-02 assembly. (The repetitive replacement time-in-service is applicable to P/N 76824-02 assemblies now installed.)

7) Replace Spar Assemblies P/N 97701-00 and P/N 97701-01, Revision N or earlier, and P/N 764393 and P/N 764394 Right Spar Cap Replacement Kits with an unused Spar Cap Replacement Kit P/N 764393, Left Spar Assembly, and P/N 764394 Right Spar Assembly. (The repetitive replacements time-in-service is applicable to P/N 764393 or P/N 764394, Spar Cap Replacement now installed.)

8) Replace Wing Attachment Lower Bolts P/N 77245-00 with unused P/N 77245-00 bolts. Replacement is also required whenever bolt is removed.

b. Airplanes may be flown in accordance with FAR 21.197 to a location where this AD may be accomplished.

c. An equivalent method of compliance with this AD may be used if it is approved by the Manager, New York Aircraft Certification Office, 181 South Franklin Avenue, Room 202, Valley Stream, New York 11581; telephone (516) 791-6680.

This AD supersedes AD 76-25-02, Amendment 39-2786.

This amendment becomes effective on November 11, 1983.