

Bundesamt für Zivilluftfahrt (BAZL) Office fédéral de l'aviation civile (OFAC) Ufficio federale dell'aviazione civile (UFAC) Federal Office for Civil Aviation (FOCA) Maulbeerstrasse 9 CH-3003 Berne Switzerland	Lufttüchtigkeitsanweisung (LTA) Consigne de Navigabilité (CN) Prescrizione di Aeronavigabilità (PA) Airworthiness Directive (AD)	FOCA AD HB 2003-198
Inkraftsetzung Mise en vigueur Entrata in vigore Effective Date	PILATUS - PC-9 FOCA TC/TCDS No.: F 56-22 ATA 29	

TITLE: PILATUS AIRCRAFT LTD. – PC-9
AUXILIARY EMERGENCY ACCUMULATOR - Inspection / Replacement

APPLICABILITY:

PILATUS AIRCRAFT LTD.

Model PC-9, PC-9/A, PC-9/B, PC-9/F airplanes.

Manufacturers Serial Numbers (MSN) 101 thru MSN 247 and MSN 501 thru MSN 567.

REASON:

Crack damage has occurred in the (oil head part of the) auxiliary emergency accumulator (accumulator) of a PC-9 aircraft. Investigation revealed that the cause of the crack damage was stress corrosion in the threaded part of the oil head.

To prevent crack damage in the emergency accumulator this Airworthiness Directive (AD) requires inspection of the accumulator for cracks and replacement, if necessary.

COMPLIANCE:

Required as indicated below, unless already accomplished.


(a) Within the next 100 hours time-in-service (TIS) or four calendar months after the effective date of this AD accomplish the following:

- (1) Perform a visual inspection of the accumulator for cracks. Use a source of bright light, a X 10 magnifier and a mirror. Look for signs of cracks (for example, cracks or bubbles in the paint or oil seepage) on the surfaces of the oil and air heads. If signs of cracks are found; perform a dye-penetrant crack-detection test. No cracks are permitted.
- (2) If during the inspection required by paragraph (a)(1) of this AD cracks are found; replace the accumulator with a servicable part.
- (3) If during the inspection required by paragraph (a)(1) no cracks are found; repeat inspections thereafter at intervals stipulated in the PC-9 Aircraft Maintenance Manual Temporary Revision No. 05-14 (AMM 05-10-20), dated 22 November 2002 and/or further FOCA approved revisions in accordance with latest maintenance manual instructions.

(b) SPARE PARTS:

As of the effective date of this AD, no person shall install any 4155H series emergency accumulator P/Ns: 529.20.09.096, 529.20.09.132, 960.10.01.170, 960.10.01.171 and 960.10.01.177 held as spare, on any Model PILATUS PC-9, PC-9/A, PC-9/B, PC-9/F airplane, unless the accumulator has been inspected in accordance with the Accomplishment Instructions specified in PILATUS PC-9 Service Bulletin No. 29-008, dated 23 August 2002, or later revisions approved by the Swiss Federal Office for Civil Aviation (FOCA).

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(c) PUBLICATIONS:

The actions required by this AD shall be done in accordance with the manufacturer's documentation listed in this paragraph and/or later revisions approved by the Swiss Federal Office for Civil Aviation (FOCA).

- PILATUS PC-9 Service Bulletin No. 29-008, dated 23 August 2002.
- PILATUS PC-9 Maintenance Manual Temporary Revision No. 05-14 (AMM 05-10-20), dated 22 November 2002.
- PILATUS PC-9 Maintenance Manual Temporary Revision No. 05-15 (AMM 05-23-01), dated 22 November 2002.

The applicable manufacturer's documentation may be obtained directly from:

PILATUS AIRCRAFT LTD
CUSTOMER LIAISON MANAGER
CH-6371 STANS , Switzerland

TEL No.: +41 41 619 6509 (Government)
FAX No.: +41 41 619 6170
E-Mail : rpaterson@pilatus-aircraft.com

FOR FURTHER INFORMATION CONTACT:

FEDERAL OFFICE FOR CIVIL AVIATION (FOCA)
Type Certification (MZ)
Maulbeerstrasse 9
CH-3003 Berne, Switzerland

FAX No.: +41 31 325 8051 (or)
FAX No.: +41 31 322 5918

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