

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 2002-270
Inkraftsetzung Mise en vigueur Entrata in vigore Effective Date	PILATUS - PC-7 FOCA TC/TCDS No.: F 56-20 ATA 57	

**TITLE: PILATUS AIRCRAFT LTD. – PC-7
MAIN LANDING GEAR FRONT ATTACHMENT BRACKETS - Inspection**

APPLICABILITY:

PILATUS AIRCRAFT LTD.

Model PC-7 Series airplanes.

- All Manufacturers Serial Numbers (MSN) 101 up to and including MSN 618. that have accumulated more than 3000 flight hours or have been in service 10 years or more with left and right MLG front attachment brackets P/N: 111.34.07.105 and 111.34.07.106 installed.

REASON:

This Airworthiness Directive (AD) is prompted by a report where during scheduled maintenance inspection the main-landing-gear (MLG) front attachment-brackets were found to be cracked on some airplanes.

Complete failure of the brackets could allow the MLG leg to become detached from the wing main spar.

To prevent failure of the MLG front attachment-brackets this Airworthiness Directive (AD) requires initial and repetitive inspections of the MLG front attachment-brackets for cracks and replacement of the brackets, which do not fulfill the criteria, with brackets of improved material.

COMPLIANCE:

Required as indicated below, unless already accomplished.

(a) Within the next 3 calendar months after the effective date of this AD, accomplish the following:


- (1) Perform an Impedance-Plane Eddy-Current Inspection to detect cracking of the MLG front attachment brackets of the left and right MLG front attachment brackets P/N: 111.34.07.105 and 111.34.07.106 as specified in and in accordance with the Accomplishment Instructions of PILATUS PC-7 Service Bulletin No. 57-004 Revision 1, dated 17 June 2002 and manufacturer's documentation referenced in paragraph (b)(1) of this AD, as applicable.

NOTE:

It is not necessary to inspect the replacement (improved) brackets Part No. 557.10.09.045 and 557.10.09.046.

- (2) If during the inspection required by paragraph (a)(1) of this AD no cracks are found or cracks are found within limits given in the acceptance/rejection criteria of the of PILATUS PC-7 Service Bulletin No. No. 57-004 Revision 1, dated 17 June 2002; repeat inspections thereafter at intervals stipulated in Aircraft Maintenance Manual Temporary Revision No.05-10, (AMM 05-10-00), dated 10 September 2001 and/or further FOCA approved revisions in accordance with latest maintenance manual instructions.
- (3) If during the inspection required by paragraph (a)(1) of this AD cracks are found which are not in the limits given in the acceptance/rejection criteria of the of PILATUS PC-7 Service Bulletin No. No. 57-004 Revision 1, dated 17 June 2002; prior to further flight; remove brackets and install (improved) brackets Part No. 557.10.09.045 and 557.10.09.046 in accordance with the Accomplishment Instructions of PILATUS PC-7 Service Bulletin No. 57-005, dated 10 September 2001 and manufacturer's documentation referenced in paragraph (b)(1) of this AD, as applicable.
Replacement with improved brackets in accordance with PILATUS PC-7 Service Bulletin No. 57-005 constitutes terminating action for the repetitive inspections required by paragraph (a) (2) of this AD.

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(b) PUBLICATIONS:

(1) The actions required by this AD shall be done in accordance with the manufacturer's documentation listed in paragraph (b) (1), as applicable and/or later revisions approved by the Swiss Federal Office for Civil Aviation (FOCA).

- PILATUS PC-7 Bulletin No. No. 57-004 Revision 1, dated 17 June 2002.
- PILATUS PC-7 Bulletin No. 57-005, dated 10 September 2001.
- PILATUS PC-7 Maintenance Manual Temporary Revision No.05-10 (AMM 05-10-00), dated 10 September 2001.
- PILATUS PC-7 Maintenance Manual Temporary Revision No.57-02 (AMM 57-10-01), dated 10 September 2001.
- PILATUS PC-7 Structural Repair Manual(SRM) Temporary Revision No.57-01, dated 10 September 2001.

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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