

Bundesamt für Zivilluftfahrt (BAZL) Office fédéral de l'aviation civile (OFAC) Ufficio federale dell'aviazione civile (UFAC) Federal Office of Civil Aviation (FOCA) CH-3003 Bern Switzerland	Lufttüchtigkeitsanweisung (LTA) Consigne de Navigabilité (CN) Prescrizione di Aeronavigabilità (PA) Airworthiness Directive (AD)	FOCA AD HB-2005-470
Inkraftsetzung Mise en vigueur Entrata in vigore Effective Date	PILATUS – PC-12 FOCA TC/TCDS No: F56-30 ATA 25 – EQUIPMENT/FURNISHINGS	Supersedes HB-2004-329

Issue date: 22 December 2005

Subject: CREW SEATS – BACKREST TUBES – Life limitations

Superseded / Revised ADs: HB-2004-329

1. APPLICABILITY:

PILATUS AIRCRAFT LTD.

All Model PC-12 and PC-12/45 airplanes equipped with backrest tubes on crew seats with and without a recline system installed as listed below:

- 1.1. Backrest tubes on crew seats with a recline system:
 Seat Part Numbers (P/Ns) 959.30.01.111, 959.30.01.112, 959.30.01.121 and 959.30.01.122.
- 1.2. Backrest tubes on crew seats without a recline system:
 Seat P/Ns 959.30.01.131, 959.30.01.132, 959.30.01.133 and 959.30.01.134.

2. REASON:

During maintenance inspection the bucket assembly tubes of a crew seat were reported failed. The LH and RH bucket assembly tubes failed at the location of the energy device pins. The lower tubes remained attached but the upper parts were completely disconnected. This could lead to reduced ability of the pilot to control the airplane.

All crew seats above 6'000 flying hours had to be inspected according to PILATUS PC-12 Service Bulletin No. 25-031, dated 21 July 2004. These actions were mandated by FOCA Airworthiness Directive (AD) HB-2004-329, effective date 23 August 2004. The FOCA AD HB-2004-329 required as an interim action a one-time inspection of the pilot and co-pilot seat bucket assembly tubes for cracks, reporting of the inspection results and if necessary the replacement of the bucket assembly tubes.

The present FOCA AD issue HB-2005-470 supersedes the existing AD HB-2004-329 and specifies as terminating action the life limitations for the backrest tubes on crew seats with and without a recline system installed.

3. COMPLIANCE / ACTION:


Required as indicated below, unless already accomplished:

Note:

To avoid airplane grounding with seats installed higher than 5'000 hours time-in-service (TIS) (for Seat P/Ns 959.30.01.111, 959.30.01.112, 959.30.01.121 and 959.30.01.122), respective 10'000 hours TIS (for Seat P/Ns 959.30.01.131, 959.30.01.132, 959.30.01.133 and 959.30.01.134), FOCA accepts the following compliance times:

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Rechtsmittelbelehrung Voies de droit Rimedi giuridici Right to appeal	siehe TM Nr. voir CT no. vedi CT no. see CT no. 02.020-80	Seite Page Pagina Page von de di of 1 3
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FOCA AD HB-2005-470	Lufttüchtigkeitsanweisung (LTA) Consigne de Navigabilité (CN) Prescrizione di Aeronavigabilità (PA) Airworthiness Directive (AD)		BAZL Schweiz OFAC Suisse UFAC Svizzera FOCA Switzerland
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For backrest tubes on crew seats with a recline system (Seat P/Ns 959.30.01.111, 959.30.01.112, 959.30.01.121 and 959.30.01.122):

Within the next 100 hours TIS after the effective date of this AD, but not later than 31 March 2006:

For backrest tubes on crew seats without a recline system (Seat P/Ns 959.30.01.131, 959.30.01.132, 959.30.01.133 and 959.30.01.134):

Within the next 500 hours TIS after the effective date of this AD, but not later than 31 March 2006:

3.1. LIFE LIMITATIONS

New Component Limitations are mandated as follows:

Component	Life limitation
Backrest tubes on crew seats with a recline system: Seat P/Ns 959.30.01.111, 959.30.01.112, 959.30.01.121 and 959.30.01.122	5'000 flying hours
Backrest tubes on crew seats without a recline system: Seat P/Ns 959.30.01.131, 959.30.01.132, 959.30.01.133 and 959.30.01.134	10'000 flying hours

3.2. FOLLOW UP ACTION

All the replaced backrest tubes must be returned to Pilatus Aircraft Ltd, Structural Analysis Group ECE, CH-6371 Stans, Switzerland, including the following information: crew seat Part Number (Seat P/N) and Serial Number (S/N), Aircraft Manufacturer Serial Number (MSN), aircraft flying hours and number of flights and replacement date of the backrest tubes.


4. PARTS INSTALLATION:

As of the effective date of this AD, no person shall install:

- 4.1. Any backrest tubes on crew seats with a recline system (Seat P/Ns 959.30.01.111, 959.30.01.112, 959.30.01.121 and 959.30.01.122) and/or crew seats without a recline system (Seat P/Ns 959.30.01.131, 959.30.01.132, 959.30.01.133 and 959.30.01.134) with unknown hours TIS or which have accumulated 5'000 hours (with a recline system) TIS and more or 10'000 hours (without a recline system) TIS and more, on any Model Pilatus PC-12 Series airplane, unless the mandatory actions of this FOCA AD issue HB-2005-470 has been implemented.

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Rechtsmittelbelehrung Voies de droit Rimedi giuridici Right to appeal	siehe TM Nr. voir CT no. vedi CT no. see CT no.	02.020-80	Seite Page Pagina Page	2	von de di of	3
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FOCA AD HB-2005-470	Lufttüchtigkeitsanweisung (LTA) Consigne de Navigabilité (CN) Prescrizione di Aeronavigabilità (PA) Airworthiness Directive (AD)		BAZL Schweiz OFAC Suisse UFAC Svizzera FOCA Switzerland
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5. REF. 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 of Civil Aviation (FOCA):

Manufacturer's Documentation

- PILATUS PC-12 Maintenance Manual Temporary Revision No. 04-13 (AMM 04-00-00), dated 15 June 2005
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The applicable manufacturer's documentation may be obtained directly from:

PILATUS AIRCRAFT LTD.
CUSTOMER SUPPORT MANAGER
CH-6371 STANS, Switzerland

TEL No.: +41 41 619 6208
FAX No.: +41 41 619 7311
Email: SupportPC12@pilatus-aircraft.com

6. FOR FURTHER INFORMATION CONTACT:

FEDERAL OFFICE OF CIVIL AVIATION (FOCA)
Design and Production (STEH)
CH-3003 Bern, Switzerland

FAX No.: +41 31 325 9324 (or)
FAX No.: +41 31 322 5918

Rechtsmittelbelehrung Voies de droit Rimedi giuridici Right to appeal	siehe TM Nr. voir CT no. vedi CT no. see CT no.	02.020-80		Seite Page Pagina Page	3 3 3 3	von de di of	3 3 3 3
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