

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-2005-263
Inkraftsetzung Mise en vigueur Entrata in vigore Effective Date	PILATUS – PC-6 FOCA TC/TCDS No: F56-10 ATA 53 – FUSELAGE	Supersedes HB-86-042 HB-2005-080

Issue date: 09 June 2005

Subject: STABILIZER-TRIM ATTACHMENT COMPONENTS – Inspection / Replacement

Superseded / Revised ADs: HB-86-042
HB-2005-080

1. APPLICABILITY:

PILATUS AIRCRAFT LTD.

All Model PC-6 Series airplanes, Manufacturer Serial Numbers (MSN) up to and including MSN 946.
All Model PC-6 Series airplanes, manufactured by Fairchild Industries, MSN 2001 thru MSN 2092 inclusive.

2. REASON:

This Airworthiness Directive (AD) is prompted by an occurrence where a PC-6 airplane had to make an emergency landing outside the airport after the lower attachment bracket of the horizontal stabilizer actuator had broken. This type of failure could result in loss of control of the airplane.

FOCA has issued AD HB-2005-080 that currently requires the identification, inspection and the replacement of certain components of the stabilizer-trim attachment.

FOCA AD HB-2005-263 supersedes the existing ADs HB-86-042 and HB-2005-080. The present new AD issue mandates the replacement of all fittings with Part Number (P/N) 116.40.06.033 without an index after the P/N, which provides a terminating action for the repetitive inspection required by FOCA AD HB-86-042. Furthermore the new AD requires compliance with the revised PILATUS PC-6 Service Bulletin No. 53-001 Revision No. 1, which includes a correction of the tolerance of the actuator attachment hole diameters in the fitting P/N 116.40.06.033 of CONFIG 1 airplanes and extends and specifies the applicability of the AD. For airplanes which are already in compliance with FOCA AD HB-2005-080, only the fulfillment with paragraph 3.1.4. of this AD is necessary.

Note 1:

Paragraph 3.1.1. to 3.1.3. of this AD are already mandated by FOCA AD HB-2005-080 (effective date: 02 March 2005).

3. COMPLIANCE / ACTION:

Required as indicated below, unless already accomplished:


Within at the next 100 hour inspection or three calendar months after the effective date of this AD:

3.1. INSPECTION / REPLACEMENT

3.1.1. Perform an inspection for crack damage in the applicable stabilizer-trim attachment and structural components. No cracks are permitted.

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- 3.1.2. If during the inspection required by paragraph 3.1.1. cracks are found, prior to further flight, replace any crack damaged components.
- 3.1.3. Replace without inspection any Fairchild type connecting pieces P/N 6232.0026.xx installed in CONFIG 2 airplanes with PILATUS type connecting pieces.
- 3.1.4. Replace without inspection any fittings P/N 116.40.06.033 without an index after the P/N with new fittings P/N 116.40.06.033 with an index after the P/N or with new fittings P/N 116.40.06.112.

Note 2:

The P/N of PILATUS and Fairchild type connecting pieces P/N 6232.0026 and the bearing supports 6304.0023 usually have more than eight numbers. The last one or two digits of the part numbers can be different from item to item.

4. PARTS INSTALLATION:

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

- 4.1. Any **Fairchild** type connecting pieces P/N 6232.0026.xx.
- 4.2. Any horizontal stabilizer held as spare unless it has been identified, inspected and cracked components have been replaced in accordance with paragraph 4 of PILATUS PC-6 Service Bulletin No. 53-001 Revision No. 1.
- 4.3. Any fittings P/N 116.40.06.033 without an index after the P/N.

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 for Civil Aviation (FOCA):

Manufacturer's Documentation

- PILATUS PC-6 Service Bulletin No. 53-001 Revision No. 1, dated 01 June 2005
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The applicable manufacturer's documentation may be obtained directly from:

PILATUS AIRCRAFT LTD.

CUSTOMER LIASON MANAGER
CH-6371 STANS, Switzerland

TEL No.: +41 41 619 6580

FAX No.: +41 41 619 6576

Email: fodermatt@pilatus-aircraft.com

6. FOR FURTHER INFORMATION CONTACT:

FEDERAL OFFICE FOR CIVIL AVIATION (FOCA)

Design and Production (STEH)

Maulbeerstrasse 9

CH-3003 Berne, Switzerland

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

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