

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-3303 Berne Switzerland	Lufttüchtigkeitsanweisung (LTA) Consigne de Navigabilité (CdN) Prescrizione di Aeronavigabilità (PA) Airworthiness Directive (AD)	FOCA AD HB 99-412
Inkraftsetzung Mise en vigueur Entrata in vigore Effective Date	31.08.1999 PC-7 FOCA TC No.: F 56-20	

Betroffene Muster - Types concernés - Applicabilità - Models affected

PILATUS AIRCRAFT LTD.

Model PC-7 airplanes.

- Manufacturers Serial Numbers : MSN 101 up to and including MSN 614.

Anlass / Massnahmen - Objet / Mesures - Oggetto / Provvedimenti - Subject / Action

- RUDDER AND ELEVATOR TRIM TAB PIVOT ARMS**
- Inspection.
 - Replacement.

Fristen - Délais- Scadenza – Compliance (Required as indicated, unless already accomplished)

As detailed in page 2 of this Airworthiness Directive.

Herkunft - Provenance - Provenienza - Origin

FOCA Airworthiness Directive.

Bezugnahme - Référence - Riferimento - Reference

- PILATUS Service Bulletin PC-7 No. 55-003, dated July 07,1999, or later revisions approved by the Swiss Federal Office for Civil Aviation (FOCA).

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

FAX No.: +41 41 610 3351

Bemerkungen - Observations - Osservazioni - Remarks

- For details refer to page 2.

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	1 	von de di of	2
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FOCA AD HB 99-412	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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**HB 99-412 PILATUS AIRCRAFT LTD. – PC-7 (TCDS F 56-20)
RUDDER AND ELEVATOR TRIM TAB PIVOT ARMS**

Applicability :

PILATUS AIRCRAFT LTD.

Model PC-7 airplanes.

- Manufacturers Serial Numbers : MSN 101 up to and including MSN 614.

Effective Date : August 31,1999.

Reason :

During scheduled maintenance inspection of the rudder and elevator trim tab pivot arms cracks were identified on Post-SB PC-7 No. 55-001 Rev.1 pivot arms. Investigations revealed that this was caused by the manufacturing process, which deviated from the design specification.

To prevent failure of the rudder and elevator trim tab pivot arms due to cracks, this Airworthiness Directive (AD) requires repetitive inspections and, as terminating action, replacement of the rudder and elevator trim tab pivot arms with correct manufactured parts, which can be identified by green paint on the inside. (referred to as GREEN Pivot Arms)

Compliance : (Required as indicated, unless already accomplished)

To prevent fatigue failure of the rudder and elevator trim tab pivot arms because of cracks, which could result in the loss of airplane control, accomplish the following :

- (a) Within the next 100 hours time-in service after the effective date of this AD:
 - (1) Inspect the rudder and elevator trim tab pivot arms for cracks in accordance with PILATUS Service Bulletin PC-7 No. 55-003, dated July 07,1999.
If no cracks are detected, repeat the inspection at intervals not to exceed 100 flight hours.
 - (2) If cracked parts are found during the inspection required by paragraph (a)(1) of this AD prior to further flight, replace any cracked parts with new parts (GREEN Pivot Arms), as specified in and in accordance with PILATUS Service Bulletin PC-7 No. 55-003, dated July 07,1999.
- (b) Not later than December 31,1999:
 - (1) Replace the rudder and elevator trim tab pivot arms with new parts (GREEN Pivot Arms), as specified in and in accordance with PILATUS Service Bulletin PC-7 No. 55-003, dated July 07,1999.
- (c) Replacement of the rudder and elevator trim tab pivot arms with new parts (GREEN Pivot Arms), as specified in and in accordance with PILATUS Service Bulletin PC-7 No. 55-003, dated July 07,1999 constitutes terminating action for the repetitive inspections of paragraph (a)(1) of this AD.
- (d) The actions required by this AD shall be done in accordance with the Accomplishment Instructions of PILATUS Service Bulletin PC-7 No. 55-003, dated July 07,1999, or later revisions approved by the Swiss Federal Office for Civil Aviation (FOCA).

FOR FURTHER INFORMATION CONTACT: FEDERAL OFFICE FOR CIVIL AVIATION (FOCA)
Type Certification Section (FM),
Maulbeerstrasse 9
CH-3003 Berne, Switzerland
Fax (+41) 31 325 8051 (or)
Fax (+41) 31 325 8048

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