



Lufttüchtigkeitsanweisung (LTA) Consigne de Navigabilité (CN) Direttive sulla Navigabilità (DN) Airworthiness Directive (AD)	FOCA AD HB-2012-009
Inkraftsetzung Mise en vigueur Entrata in vigore Effective Date	03 January 2013 Pilatus – PC-7 FOCA TC/TCDS No: F 56-20

Issue Date: 20 December 2012

ATA Chapter: ATA 53 – Fuselage

Subject: **Fuselage / Engine Mount Fittings – Inspection**

Supersedure / Revised AD(s): Not applicable

Type Certificate Holder's Name: Pilatus Aircraft Ltd.

Manufacturer(s): Pilatus Aircraft Ltd.

Applicability: Model PC-7 aircraft, Manufacturer Serial Numbers (MSN) 101 through MSN 618.

Reason: This Airworthiness Directive (AD) is prompted due to the discovery of cracks in the engine mount fittings. The cracks are caused by stress corrosion. It is possible for stress corrosion cracks to occur on engine mount fittings initially made of aluminium alloy AA2024-T351. Later in production, the material specification was changed to aluminium alloy AA2124-T851 to decrease the risk of stress corrosion. The Part Number (P/N) of the engine mount fittings remained the same.

Such a condition, if left uncorrected, could lead to failure of the engine mount fittings and possible failure of the engine attachment.

In order to correct and control the situation, this AD requires a one-time check to identify the material specification and inspect those affected engine mount fittings that are made of aluminium alloy AA2024-T351. Any engine mount fittings found to be cracked must be reported to Pilatus prior to further flight.

Required Action(s) and Compliance Time(s): Required as indicated below, unless already accomplished:

- (1) Within the next 90 days after the effective date of this AD, perform a conductivity test to identify the material specification of the engine mount fittings (P/N 112.35.07.152) as required by paragraph (§) 3.B. of PILATUS PC-7 Service Bulletin No. 53-008.

- (2) If during the conductivity test required by § (1) of this AD, engine mount fittings made of aluminium alloy AA2024-T351 are found, within the next 90 days after the effective date of this AD, perform the inspection in accordance with (§) 3.C. of PILATUS PC-7 Service Bulletin No. 53-008.

Note 1: The Aircraft Maintenance Manual (AMM) will be updated to include repetitive inspections of all engine mount fittings made of aluminium alloy AA2024-T351.

- (3) If during the inspection required by § (2) of this AD, cracks are found in the engine mount fittings, prior to further flight, contact Pilatus Customer Technical Support (MCC) for further instructions.

Ref. Publication(s): PILATUS PC-7 Service Bulletin No. 53-008, initial issue.

The use of later approved revisions of this document is acceptable for compliance with the requirements of this AD.

For further information contact: The applicable manufacturer's documentation may be obtained directly from:

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