



Lufttüchtigkeitsanweisung (LTA) Consigne de Navigabilité (CN) Direttive sulla Navigabilità (DN) Airworthiness Directive (AD)		FOCA AD HB-2010-011
Inkraftsetzung Mise en vigueur Entrata in vigore Effective Date	15 September 2010	Pilatus – PC-9 FOCA TC/TCDS No: F 56-22

Issue Date: 01 September 2010

ATA Chapter: ATA 53 – Fuselage

Subject: **Fuselage – Upper Left and Right Longerons – Inspection**

Supersedure / Revised AD(s): Not applicable

Type Certificate Holder's Name: Pilatus Aircraft Ltd.

Manufacturer(s): Pilatus Aircraft Ltd.

Applicability: Model PC-9 aircraft, Manufacturer Serial Numbers (MSN) 101 through MSN 216 and MSN 501 through MSN 567 inclusive.

Reason: This Airworthiness Directive (AD) is prompted due to the discovery of corrosion on the upper left and right longerons underneath the wedges installed at the joint with Frame 4 (FR4). The possibility of corrosion is increased due to water ingress through the sides of the fibreglass where the adhesive was not sufficiently watertight.

Such a condition, if left uncorrected, could lead to failure of the longeron and will prejudice the structural integrity of the aircraft.

In order to correct and control the situation, this AD requires a one time inspection of the longerons underneath the wedges and, if necessary, the removal of the corrosion. The installation of new improved wedges and the sealing of the area are also required by this AD.

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

- (1) Within 3 month after the effective date of this AD, perform a visual inspection of the upper left and right longerons underneath the wedges installed at the joint with FR4 for signs of corrosion as required by paragraph (§) 3.B.(1) to 3.B.(2)(b) of PILATUS PC-9 Service Bulletin No. 53-014. No corrosion is permitted.
- (2) If during the inspection required by § (1) of this AD, any signs of corrosion are found, prior to further flight, perform the corrective actions according to the instructions provided by § 3.B.(2)(c) to (e) of PILATUS PC-9 Service Bulletin No. 53-014. If the recorded metal thickness is less than 1.4 mm (0.055 in.) apply to Pilatus for a repair scheme.

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- (3) If during the inspection required by § (1) of this AD, no signs of corrosion are found, measure and record the thickness of the metal in the bare metal areas of the longeron according to the instructions provided by § 3.B.(2)(f) to (g) of PILATUS PC-9 Service Bulletin No. 53-014.
- (4) Install the new improved wedges P/N 553.30.09.435 (LH) and P/N 553.30.09.436 (RH) in accordance with the instructions provided by § 3.B.(3) of PILATUS PC-9 Service Bulletin No. 53-014.

Ref. Publication(s): PILATUS PC-9 Service Bulletin No. 53-014, 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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