



Lufttüchtigkeitsanweisung (LTA) Consigne de Navigabilité (CN) Direttive sulla Navigabilità (DN) Airworthiness Directive (AD)	FOCA AD HB-2020-005
Inkraftsetzung Mise en vigueur Entrata in vigore Effective Date	12 March 2020 Pilatus – PC-21 FOCA TC/TCDS No: F 56-35

Issue Date: 27 February 2020

ATA Chapter: ATA 27 – Flight Controls

Subject: **Flight Controls – Ailerons – Fixed Aileron Tab Installation – Modification**

Supersedure / Revised AD(s): Not applicable

Type Certificate Holder's Name: Pilatus Aircraft Ltd.

Manufacturer(s): Pilatus Aircraft Ltd.

Applicability: Model PC-21 aircraft, Manufacturers Serial Numbers (MSN) 103 through MSN 313.

Definitions For the purpose of this AD, the following definitions apply:

The Service Bulletin (SB):
Pilatus Aircraft PC-21 SB No. 27-015.

Affected part:
Flettner tabs having Part Number (P/N) 557.60.21.127 (LH) and P/N 557.60.21.128 (RH) which are clamped mechanically to the LH and RH ailerons.

Serviceable part:
Flettner tabs P/N 557.60.21.127 (LH) and P/N 557.60.21.128 (RH) modified with Pilatus modification kit P/N 500.50.21.222.

Groups:
Group 1 aircraft are those that have an affected part installed. Group 2 aircraft are those that do not have an affected part installed.

Reason: During certification activities of a new aircraft configuration discrepancies were found in the original PC-21 flutter model.

This condition, if not corrected, could result in dynamic instability in the event of a disconnected aileron Flettner tab.

To address this potential unsafe condition, Pilatus issued the SB to provide modification instructions.

For the reason described above, this Airworthiness Directive (AD) requires the modification of the installation of the Flettner tabs to the ailerons, as defined in this AD, and prohibits (re-)installation of affected parts.

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**Required Action(s)
and Compliance
Time(s):**

Required as indicated below, unless already accomplished:

Modification:

- (1) For Group 1 aeroplanes: Within 12 months after the effective date of this AD, modify the LH and RH Flettner tab by the installation of Pilatus modification kit P/N 500.50.21.222 in accordance with the instructions of section 3.B. of the SB.

Parts Installation:

- (2) Do not install an affected part on any aeroplane, as required by paragraph (2.1) or (2.2) of this AD, as applicable.

(2.1.) For Group 1 aircraft: After the modification of each affected part on an aircraft as required by paragraph (1) of this AD.

(2.2) For Group 2 aircraft: From the effective date of this AD.

Ref. Publication(s):

Pilatus Aircraft PC-21 SB 27-015 original issue dated 20 December 2019.

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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