



Lufttüchtigkeitsanweisung (LTA) Consigne de Navigabilité (CN) Direttive sulla Navigabilità (DN) Airworthiness Directive (AD)	FOCA AD HB-2020-004
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 – Elevators – Additional Trim Tab Balance Mass – 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) 101 through MSN 313.

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

The Service Bulletin (SB):
Pilatus Aircraft PC-21 SB No. 27-014.

Affected part:
Elevator trim tab balance weight having Part Number (P/N) 555.20.21.123.

Serviceable part:
Elevator trim tab balance weight identified under the Pos. No. 10 of the Pilatus modification kit P/N 500.50.21.221.

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 elevator 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 elevator assemblies, 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 elevator assemblies by replacing the elevator trim tab balance weight P/N 555.20.21.123 by a serviceable part and by adding to the elevator mass balance the lead disk Pos. No 20 of Pilatus modification kit P/N 500.50.21.221 (see note 1) in accordance with the instructions of section 3.B. of the SB.

Note 1:

The additional lead disks elevators mass balance are required to keep the elevators mass balance after replacement of the affected parts by the serviceable parts.

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 27-014 original issue dated 17 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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