



Notification of a Proposal to issue an Airworthiness Directive

PAD No.: 19-079

Issued: 08 May 2019

Note: This Proposed Airworthiness Directive (PAD) is issued by EASA, acting in accordance with Regulation (EU) 2018/1139 on behalf of the European Union, its Member States and of the European third countries that participate in the activities of EASA under Article 129 of that Regulation.

In accordance with the EASA Continuing Airworthiness Procedures, the Executive Director is proposing the issuance of an EASA Airworthiness Directive (AD), applicable to the aeronautical product(s) identified below.

All interested persons may send their comments, referencing the PAD Number above, to the e-mail address specified in the 'Remarks' section, prior to the consultation date indicated.

Design Approval Holder's Name:

PILATUS AIRCRAFT Ltd.

Type/Model designation(s):

PC-12 aeroplanes

Effective Date: [TBD: 14 days after AD issue date]

TCDS Number(s): EASA.A.089

Foreign AD: Not applicable

Supersedure: None

ATA 55 – Stabilizers – Horizontal Stabilizer Rear Attachment Bolts – Inspection / Replacement

Manufacturer(s):

Pilatus Aircraft Ltd.

Applicability:

PC-12, PC-12/45, PC-12/47 and PC-12/47E aeroplanes, all manufacturer serial numbers.

Definitions:

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

The SB: Pilatus Aircraft PC-12 Service Bulletin (SB) No. 55-004.

Affected part: Horizontal stabilizer rear attachment bolts having Part Number (P/N) 555.10.12.139 and production order number (FAUF) FAUF 10169753, FAUF 10171067 or FAUF 10171267.

Serviceable part: Horizontal stabilizer rear attachment bolts which are not affected parts. This includes all horizontal stabilizer rear attachment bolts which were installed on aeroplanes before 24 July 2018.



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

Reason:

On the final assembly line, horizontal stabilizer rear attachment bolts were detected that had not received correct heat treatment. Subsequent investigation determined that certain parts, identified by FAUF, were improperly manufactured and consequently have reduced material properties.

This condition, if not corrected, could lead to a fatigue failure of an affected part, possibly resulting in loss of control of the aeroplane.

To address this potential unsafe condition, Pilatus issued the SB to provide inspection and replacement instructions.

For the reason described above, this AD requires replacement of affected parts, and prohibits (re)installation thereof.

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

Required as indicated, unless accomplished previously:

Replacement:

- (1) For Group 1 aeroplanes: Within 1 350 flight hours or 13 months, whichever occurs first after the effective date of this AD, replace each affected part with a serviceable part in accordance with the instructions of section 3.B. of the SB.

Parts Installation:

- (2) For Group 1 and Group 2 airplanes: 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 aeroplanes: After replacement of each affected part on an aeroplane as required by paragraph (1) of this AD.

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

Ref. Publications:

Pilatus Aircraft PC-12 SB No. 55-004 dated 29 March 2019.

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

Remarks:

1. This Proposed AD will be closed for consultation on 05 June 2019.
2. Enquiries regarding this PAD should be referred to the EASA Programming and Continued Airworthiness Information Section, Certification Directorate. E-mail: ADs@easa.europa.eu.



3. Information about any failures, malfunctions, defects or other occurrences, which may be similar to the unsafe condition addressed by this PAD, and which may occur, or have occurred on a product, part or appliance not affected by this PAD, can be reported to the [EU aviation safety reporting system](#).
4. For any question concerning the technical content of the requirements in this PAD, please contact: Pilatus Aircraft Ltd, Customer Support PC-12, CH-6371 Stans, Switzerland
Telephone: +41 41 619 33 33, Fax: +41 41 619 73 11
E-mail: SupportPC12@pilatus-aircraft.com, Website: www.pilatus-aircraft.com.

