



# Notification of a Proposal to issue an Airworthiness Directive

**PAD No.: 20-155**

**Issued: 02 October 2020**

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-12/47E aeroplanes

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

**TCDS Number(s):** EASA.A.089

**Foreign AD:** Not applicable

**Supersedure:** None

## ATA 28 – Fuel – Fuel Transfer Ejector – Replacement

**Manufacturer(s):**

Pilatus Aircraft Ltd

**Applicability:**

PC-12/47E aeroplanes, manufacturer serial numbers (MSN) 2001 and subsequent.

**Definitions:**

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

**The SB:** Pilatus Aircraft PC-12 Service Bulletin (SB) 28-014.

**Affected part:** Fuel transfer ejectors, having Part Number (P/N) 968.84.71.112 with supplier serial numbers (s/n) as listed in section 1.C. of the SB.

**Serviceable part:** Any fuel transfer ejector, eligible for installation, that is not an affected part.

**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. Aeroplanes having MSN 2015, MSN 2017, MSN 2018, MSN 2020 to MSN 2022 inclusive, or MSN 2024 or higher, are



Group 2, provided it is determined that no affected part has been installed on the aeroplane since its first flight.

**Reason:**

An occurrence was reported where, on the production line, a batch of fuel transfer ejectors with an incorrect (too small) nozzle diameter were installed on some PC-12/47E aeroplanes. Such fuel transfer ejectors are not in compliance with the approved design data.

This condition, if not corrected, could result in a restriction of the motive fuel flow due to ice accumulation, possibly resulting in engine in-flight shut-down and consequent reduced control of the aeroplane.

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

For the reason described above, this AD requires replacement of the affected parts with serviceable parts, as defined in this AD. This AD also prohibits (re-)installation of affected parts.

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

Required as indicated, unless accomplished previously:

**Replacement:**

- (1) For Group 1 aeroplanes: During the next scheduled inspection, or within 4 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) 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 aeroplanes: From the effective date of this AD.

**Ref. Publications:**

Pilatus Aircraft PC-12 SB 28-014 original issue dated 12 August 2020.

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 16 October 2020.
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](mailto: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](#). This may include reporting on the same or similar components, other than those covered by the design to which this PAD applies, if the same unsafe condition can exist or may develop on an aircraft with those components installed. Such components may be installed under an FAA Parts Manufacturer Approval (PMA), Supplemental Type Certificate (STC) or other modification.
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](mailto:SupportPC12@pilatus-aircraft.com), Website: [www.pilatus-aircraft.com](http://www.pilatus-aircraft.com).

