



Airworthiness Directive

AD No.: 2020-0229

Issued: 20 October 2020

Note: This Airworthiness Directive (AD) 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.

This AD is issued in accordance with Regulation (EU) 748/2012, Part 21.A.3B. In accordance with Regulation (EU) 1321/2014 Annex I, Part M.A.301, the continuing airworthiness of an aircraft shall be ensured by accomplishing any applicable ADs. Consequently, no person may operate an aircraft to which an AD applies, except in accordance with the requirements of that AD, unless otherwise specified by the Agency [Regulation (EU) 1321/2014 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [Regulation (EU) 2018/1139, Article 71 exemption].

Design Approval Holder's Name:

PILATUS AIRCRAFT Ltd

Type/Model designation(s):

PC-12/47E aeroplanes

Effective Date: 03 November 2020

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 latest 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 a reduction of safety margins in the fuel system.

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 the 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. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD.
2. This AD was posted on 02 October 2020 as PAD 20-155 for consultation until 16 October 2020. No comments were received during the consultation period.
3. Enquiries regarding this AD should be referred to the EASA Programming and Continued Airworthiness Information Section, Certification Directorate. E-mail: ADs@easa.europa.eu.



4. Information about any failures, malfunctions, defects or other occurrences, which may be similar to the unsafe condition addressed by this AD, and which may occur, or have occurred on a product, part or appliance not affected by this AD, 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 AD 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.

5. For any question concerning the technical content of the requirements in this AD, 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.

