



Airworthiness Directive

AD No.: 2019-0032

Issued: 15 February 2019

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: 01 March 2019

TCDS Number(s): EASA.A.089

Foreign AD: Not applicable

Supersedure: None

ATA 32 – Landing Gear – Main Landing Gear Spring Pack Assemblies – Replacement

Manufacturer(s):

Pilatus Aircraft Ltd.

Applicability:

PC-12/47E aeroplanes, manufacturer serial numbers (MSN) 1300, MSN 1451 and up.

Definitions:

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

The SB: Pilatus Aircraft PC-12 Service Bulletin (SB) No. 32-027.

Affected part: Spring pack assemblies, having Part Number (P/N) 532.34.12.101.

Serviceable part: Spring pack assemblies, having P/N 532.34.12.120.

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:

An occurrence was reported of an unlocked main landing gear (MLG) during landing of a PC-12/47E, equipped with electro-mechanical landing gear. Subsequent investigation identified that the aeroplane was equipped with an affected part, which had completely seized. Serviceable parts have a special surface treatment on the inner and outer tube, which would have prevented the seizure.

This condition, if not corrected, could lead to failure of an MLG spring pack assembly, possibly resulting in inability to safely extend the MLG and consequent loss of control of the aeroplane after landing.

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

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

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

Required as indicated, unless accomplished previously:

Modification:

- (1) For Group 1 aeroplanes: Within 2 months 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 modification of 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 No. 32-027 dated 07 January 2019.

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 25 January 2019 as PAD 19-014 for consultation until 08 February 2019. No comments were received during the consultation period.



3. Enquiries regarding this AD should be referred to the EASA Safety 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](#).
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
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