



Airworthiness Directive

AD No.: 2019-0043

Issued: 06 March 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:

Costruzioni Aeronautiche TECNAM Srl

Type/Model designation(s):

P2006T aeroplanes

Effective Date: 20 March 2019

TCDS Number(s): EASA.A.185

Foreign AD: Not applicable

Supersedure: None

ATA 32 – Landing Gear – Nose Landing Gear Piston Tube – Replacement

Manufacturer(s):

Costruzioni Aeronautiche TECNAM Srl (TECNAM)

Applicability:

P2006T aeroplanes, all manufacturer serial numbers (MSN).

Definitions:

The SB: TECNAM Service Bulletin (SB) 288-CS ed. 1 rev. 0.

Affected part: Nose landing gear (NLG) piston tubes, Part Number (P/N) 26-8-1408-1, except those that are identified as rev. F00 (marked post Mod 2006/323).

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 with MSN 1 to 116 inclusive are Group 2 aeroplanes, unless the NLG piston tube was replaced in service. An aeroplane that embodies modification (mod) 2006/323 in production is also a Group 2 aeroplane, provided the aeroplane remains in that configuration.

Reason:

Failures of NLG piston tubes P/N 26-8-1408-1 were reported during ground operations. Subsequent investigation determined a deficiency in NLG piston tube manufacturing process. It was also determined that only a specific batch is affected by this defect.



This condition, if not corrected, could lead to failure of the NLG, possibly resulting in loss of control on the ground, during or after landing, with consequent damage to the aeroplane and injury to occupants.

To address this potential unsafe condition, TECNAM issued the SB to provide instructions for the replacement of each affected part with a part that was manufactured by an improved process.

For the reasons described above, this AD requires removal from service of the affected parts.

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

Required as indicated, unless accomplished previously:

Replacement:

- (1) For Group 1 aeroplanes: Within 50 flight hours or 2 months, whichever occurs first after the effective date of this AD, replace the affected part with an improved part in accordance with the instructions of the SB.

Parts Installation:

- (2) For Group 1 and Group 2 aeroplanes: From the effective date of this AD, do not install an affected part on any aeroplane.

Ref. Publications:

TECNAM SB-288-CS ed. 1 rev. 0 dated 16 November 2017.

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 18 January 2018 as PAD 18-007 for consultation until 15 February 2018. The Comment Response Documents can be found in the [EASA Safety Publications Tool](#), in the compressed (zipped) file attached to the record for this AD.
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: Costruzioni Aeronautiche TECNAM Airworthiness Office, Telephone: +39 0823 620134, Fax: +39 0823 622899, E-mail: airworthiness@tecnam.com.

