



Airworthiness Directive

AD No.: 2019-0308

Issued: 18 December 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:

AIRCRAFT INDUSTRIES, a.s.

Type/Model designation(s):

L-410 aeroplanes

Effective Date: 01 January 2020

TCDS Number(s): EASA.A.026

Foreign AD: Not applicable

Supersedure: None

ATA 32 – Landing Gear – Nose Landing Gear Leg / Pin – Replacement

Manufacturer(s):

Aircraft Industries, a.s., formerly LET n.p., LET a.s., LETECKÉ ZÁVODY a.s.

Applicability:

L-410 UVP – Turbolet, L-410 UVP-E, L 410 UVP-E9, L 410 UVP-LW, L 410 UVP-E-LW, L 410 UVP-E20, L 410 UVP-E20 CARGO and L-420 aeroplanes, all manufacturer serial numbers (MSN).

Definitions:

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

Affected part: Pin Part Number (P/N) L3 223 016 secured with a retaining bolt, installed on nose landing gear legs P/N 2 143 900, or P/N 3 259 900, or P/N 3 259 900-7.

Serviceable part: Pin P/N L3 223 316.

The applicable SB: Aircraft Industries Service Bulletin (SB) L410UVP/197a, L410UVP-E/144a and SB L-420/021a.

Reason:

Malfunction of the steering on the nose landing gear was reported by L-410 operators. Investigation determined that the malfunction was due to loss of the vertical pin further to a cracking of the retaining bolt on the nose landing gear control.



This condition, if not detected and corrected, could lead to reduced control of the aeroplane during taxiing, take-off and landing.

To address this potential unsafe condition, Aircraft Industries developed an improved pin and issued the applicable SB to provide inspection and modification instructions.

For the reason described above, this AD requires a one-time inspection of the the nose landing gear leg to determine if an affected part is installed, and replacement of affected parts with improved pins.

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

Required as indicated, unless accomplished previously:

Inspection:

- (1) Within 30 days after the effective date of this AD, inspect the nose landing gear leg in accordance with the instructions of the applicable SB.

Corrective Action(s):

- (2) If, during the inspection as required by paragraph (1) of this AD, an affected part is found to be installed, before next flight, replace the affected part with a serviceable part in accordance with the instructions of the applicable SB.

Parts Installation:

- (3) Do not install an affected part on any aeroplane, as required by paragraph (3.1) or (3.2) of this AD, as applicable:
 - (3.1) After modification of the aeroplane as required by paragraph (2) of this AD.
 - (3.2) From the effective date of this AD.

Ref. Publications:

Aircraft Industries SB L410UVP/197a original issue dated 29 October 2019.

Aircraft Industries SB L-420/021a original issue dated 18 October 2019 or Revision 1 dated 29 October 2019.

Aircraft Industries SB L410UVP-E/144a original issue dated 18 October 2019 or Revision 1 dated 29 October 2019.

The use of later approved revisions of the above-mentioned documents 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 11 November 2019 as PAD 19-202 for consultation until 25 November 2019. 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](#).
5. For any question concerning the technical content of the requirements in this AD, please contact: Aircraft Industries, a.s., 686 04 Kunovice, Czech Republic, Phone: +420 572 817 664, Fax: +420 572 816 112, E-mail: pps@let.cz.

