



Airworthiness Directive

AD No.: 2019-0037

Issued: 19 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:

FOKKER SERVICES B.V.

Type/Model designation(s):

F28 aeroplanes

Effective Date: 05 March 2019

TCDS Number(s): EASA.A.037

Foreign AD: Not applicable

Supersedure: None

ATA 32 – Landing Gear – Nose Landing Gear Turning Tube Assembly – Replacement

Manufacturer(s):

Fokker Aircraft B.V.

Applicability:

F28 Mark 0070 and Mark 0100 aeroplanes, all serial numbers.

Definitions:

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

The SB: Fokker Services Service Bulletin (SB) SBF100-32-171, which refers to SAFRAN Landing Systems (SLS) SB F100-32-117 for in-shop inspection.

Affected part: Nose landing gear (NLG) turning tube assemblies, having Part Number (P/N) 201456200, P/N 201071202, P/N 201071240 or P/N 201071241; these are installed on NLG units having a P/N as identified in SLS SB F100-32-117.

Serviceable part: An affected part that is new; or, before installation, has passed an inspection (no defects found, having the correct radius) in accordance with the instructions of SLS SB F100-32-117.



Reason:

Occurrences have been reported of finding cracks on certain NLG turning tubes. The subsequent investigation results revealed that the cracks initiated from an area that is sensitive to fatigue cracking, which had been subject to incorrectly applied repairs.

This condition, if not detected and corrected, could lead to NLG turning tube failure, possibly resulting in damage to the aeroplane and injury to occupants.

To address this potential unsafe condition, Fokker Services published the SB to provide replacement instructions, referring to SLS SB F100-32-117 for in-shop inspection.

For the reasons described above, this AD requires removal from service of the affected part and replacement with a serviceable part.

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

Required as indicated, unless accomplished previously:

Replacement:

- (1) Within 22 000 FC after the effective date of this AD, replace the affected part with a serviceable part in accordance with the instructions of the SB.

Parts Installation:

- (2) After replacement of the affected part with a serviceable part on an aeroplane, as required by paragraph (1) of this AD, it is allowed to install on that aeroplane an NLG turning tube assembly, provided it is a serviceable part, as defined in this AD.

Ref. Publications:

Fokker Services SBF100-32-171 original issue dated 27 November 2018.

SAFRAN Landing Systems SB F100-32-117 original issue dated 30 July 2018.

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 21 December 2018 as PAD 18-185 for consultation until 18 January 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: Fokker Services B.V., Technical Services Dept., P.O. Box 1357, 2130 EL, Hoofddorp, The Netherlands, Telephone +31-88-6280-350, Fax +31-88-6280-111, E-mail: technicalservices@fokker.com.
The referenced publication(s) can be downloaded from www.myfokkerfleet.com.

