



Notification of a Proposal to issue an Airworthiness Directive

PAD No.: 18-185

Issued: 21 December 2018

Note: This Proposed Airworthiness Directive (PAD) 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.

In accordance with the EASA Continuing Airworthiness Procedures, the Executive Director is proposing the issuance of an EASA Airworthiness Directive (AD), applicable to the aeronautical product(s) identified below.

All interested persons may send their comments, referencing the PAD Number above, to the e-mail address specified in the 'Remarks' section, prior to the consultation date indicated.

Design Approval Holder's Name:

FOKKER SERVICES B.V.

Type/Model designation(s):

F28 aeroplanes

Effective Date: [TBD - standard: 14 days after AD issue date]

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 has passed an inspection (no defects found) or has been corrected, in accordance with the instructions of the SB.



Reason:

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

This condition, if not detected and corrected, could lead to NLG turning tube failure and eventually collapse, 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 each affected part and replacement with a serviceable part.

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

Required as indicated, unless accomplished previously:

Replacement:

- (1) During the next scheduled NLG overhaul, but not later than 22 000 flight cycles or 12 years, whichever occurs first after the effective date of this AD, replace each affected part with a serviceable part in accordance with the instructions of the SB.

Parts Installation:

- (2) From the effective date of this AD, it is allowed to install on any aeroplane an affected part, 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. This Proposed AD will be closed for consultation on 18 January 2019.
2. Enquiries regarding this PAD should be referred to the EASA Safety Information Section, Certification Directorate. E-mail: ADs@easa.europa.eu.
3. Information about any failures, malfunctions, defects or other occurrences, which may be similar to the unsafe condition addressed by this PAD, and which may occur, or have occurred on a product, part or appliance not affected by this PAD, can be reported to the [EU aviation safety reporting system](#).
4. For any question concerning the technical content of the requirements in this PAD, 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 can be downloaded from www.myfokkerfleet.com.

