



Airworthiness Directive

AD No.: 2019-0120

Issued: 29 May 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 Mark 0100 aeroplanes

Effective Date: 12 June 2019

TCDS Number(s): EASA.A.037

Foreign AD: Not applicable

Supersedure: None

ATA 24 – Electrical Power – Power Transfer Contactors – Replacement

Manufacturer(s):

Fokker Aircraft B.V.

Applicability:

F28 Mark 0100 aeroplanes, all serial numbers.

Definitions:

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

The SB: Fokker Services Service Bulletin (SB) SBF100-24-047.

Affected part: Generator power transfer contactors (GPTC), essential bus transfer contactors (EBTC) and auxiliary power transfer contactors (APTC), having Part Number DHR18-1.

Serviceable part: An affected part that is new (never previously installed).

Reason:

Occurrences have been reported of smoke in the cockpit on Fokker 100 aeroplanes, in conjunction with loss of electrical power. Subsequent investigation results revealed that the most likely cause of the smoke emission, as well as of power loss, was arcing inside one of the affected parts, GPTC, EBTC and APTC, located in the electrical power centre.



This condition, if not corrected, could lead to further events of smoke in the cockpit, possibly resulting in excessive crew workload and/or injury to flight deck occupants.

To address this potential unsafe condition, Fokker Services published the SB to provide instructions to replace the affected parts.

For the reasons described above, this AD requires a one-time replacement of the affected parts with new parts.

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

Required as indicated, unless accomplished previously:

Replacement:

- (1) Before an affected part exceeds 17 000 flight cycles since first installation on an aeroplane, or within 24 months after the effective date of this AD, whichever occurs later, replace that 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 acceptable to install on any aeroplane an affected part, provided it is a serviceable part, as defined in this AD.

Ref. Publications:

Fokker Services SBF100-24-047 original issue dated 10 January 2019, or Revision 1 dated 25 April 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 30 April 2019 as PAD 19-075 for consultation until 28 May 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: 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.

