Airworthiness Directive

AD No.: 2018-0114

Issued: 23 May 2018

Note: This Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EC) 216/2008 on behalf of the European Union, its Member States and of the European third countries that participate in the activities of EASA under Article 66 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 (EC) 216/2008, Article 14(4) exemption].

Design Approval Holder's Name:
DASSAULT AVIATION

Type/Model designation(s):
Falcon 2000 aeroplanes

Effective Date: 06 June 2018

TCDS Number(s): EASA.A.008

Foreign AD: Not applicable

Supersedure: None

ATA 24 – Electrical Power – Electrical Cabinet Wiring Bundle – Clearance Check / Modification

---

Manufacturer(s):
Dassault Aviation (Dassault)

Applicability:
Falcon 2000 aeroplanes, manufacturer serial numbers (MSN) 70 to MSN 231 inclusive.

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

The SB: Dassault Aviation Service Bulletin (SB) F2000-436.

Reason:
One Falcon 2000 aeroplane experienced some chafing of a wire bundle located at the bottom of the right-hand (RH) electrical cabinet (between Frames 4 and 5). The wire loom interfered with a metallic (ground) plate of terminal strip 700J and at least 12 wires were damaged. This wire loom includes 250 wires and in case of chafing, any wire may be damaged.

This condition, if not detected and corrected, could lead to improper functioning of aeroplane systems, possibly resulting in reduced control of the aeroplane.

To address this potential unsafe condition, Dassault developed a modification M3889 to improve the clearance between the metallic plate and the wire loom, and published the SB to inspect and modify aeroplanes in service.

For the reasons described above, this AD requires a one-time inspection of the wiring bundle for interference or damage, measurement of the clearance between the metallic plate and the wiring bundle, and depending on findings, modification of the aeroplane by cutting out the lower part of the ground plate of terminal strip 700J and adding an edge protection to prevent interference. Aeroplanes that do not have a metallic plate installed are not affected by this AD.

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

Required as indicated, unless accomplished previously:

Clearance Check:

(1) Within 25 months after the effective date of this AD, for aeroplanes equipped with a metallic plate at the bottom of RH electrical cabinet, inspect the wiring bundle and measure the clearance between the metallic plate and the wire loom at the bottom of RH electrical cabinet in accordance with the instructions of the SB.

Corrective Action(s):

(2) If, during the measurement as required by paragraph (1) of this AD, the detected clearance is less than the criteria as specified in the SB, before next flight, replace any damaged wires and modify the metallic plate in accordance with the instructions of the SB.

Ref. Publications:

Dassault SB F2000-436 original issue dated 28 September 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 10 April 2018 as PAD 18-050 for consultation until 08 May 2018. 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.

3. For any question concerning the technical content of the requirements in this AD, please contact your Dassault Falcon Technical Assistance:

   - For Europe, Middle East and Africa based operators: Hot Line: (33) 1 47 11 37 37
   - For USA, Canada and Mexico based operators: Help Desk: (1) 800-2FALCON (2325266)
   - For all other areas: Help Desk: (1) 201 541 4747.