Airworthiness Directive

AD No.: 2016-0230

Issued: 21 November 2016

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 7X aeroplanes

Effective Date: 05 December 2016
TCDS Number(s): EASA.A.155
Foreign AD: Not applicable
Supersedure: None

ATA 20 – Standard Practices Airframe – Electrical Wiring – Inspection / Modification

Manufacturer(s):
Dassault Aviation (DA)

Applicability:
Falcon 7X aeroplanes, serial numbers (s/n) 2 to 215 inclusive.

Reason:
A review of the wiring and tubing lay-out showed that there may be low clearance between electrical wiring and nearby structure. Although no in-service incident has been reported, the minimum clearances could deteriorate over time.

This condition, if not detected and corrected, could lead to interference or contact with structure, provoking an electrical short circuit or fluid leakage, possibly resulting in loss of several functions essential for safe flight.

To initially address this potential unsafe condition, DA developed some interim modifications (mod) addressing the risk of short circuit and fluid leakage, and EASA issued AD 2010-0029 (later revised) to require embodiment of those modifications in-service.

Since EASA AD 2010-0029R1 was issued, DA developed another set of modifications, available for in-service application through Service Bulletin (SB) F7X-056, which are considered the final solutions for this unsafe condition.

For the reasons described above, this AD requires a one-time inspection of the affected electrical wiring and, depending on findings, corrective action(s) and modification of the aeroplane.

Required Action(s) and Compliance Time(s):
Required as indicated, unless accomplished previously:

Before exceeding 99 months or 4 100 flight cycles, whichever occurs first since the date of first delivery of the aeroplane, inspect the affected electrical wirings of the aeroplane and, depending on findings, accomplish all applicable corrective actions and modify the aeroplane in accordance with the instructions of the sections of DA SB F7X-056, as specified in Table 1 of this AD, as applicable.

Table 1 – Applicable Sections of DA SB F7X-056

DA SB F7X-056 Section	**Excluded** (see Note 1 of this AD)
7X-056-1	post-mod M876
7X-056-2	post-mod M897
7X-056-3	post-mod M900
7X-056-4	s/n 132 to 215 inclusive
7X-056-5	post-mod M954
7X-056-6	post-mod M980
7X-056-7	post-mod M1021
7X-056-8	none

Note: Aeroplanes that have embodied a DA mod in production, as identified in Table 1 of this AD, do not have to apply the corresponding SB Section, as identified in Table 1 of this AD.

Ref. Publications:
Dassault Aviation SB F7X-056 dated 30 October 2014, or Revision 01 dated 20 July 2016.

The use of later approved revisions of this 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 26 September 2016 as PAD 16-137 for consultation until 24 October 2016. 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. 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)
   - All other areas:

     Help Desk: (1) 201 541 4747