



Airworthiness Directive

AD No.: 2024-0072

Issued: 15 March 2024

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, or Annex Vb Part ML.A.301, as applicable, 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 Annex Vb Part ML.A.303, as applicable] or agreed with the Authority of the State of Registry [Regulation (EU) 2018/1139, Article 71 exemption].

Design Approval Holder's Name:

DASSAULT AVIATION

Type/Model designation(s):

Falcon 900EX, Falcon 2000EX and Falcon 7X aeroplanes

Effective Date: 29 March 2024

TCDS Number(s): EASA.A.008, EASA.A.062 and EASA.A.155

Foreign AD: Not applicable

Supersedure: None

ATA 46 – Information Systems – Electronic Display Unit – Replacement

Manufacturer(s):

Dassault Aviation (Dassault)

Applicability:

Falcon 900EX, all manufacturer serial numbers (s/n) that have Dassault modification (mod) M3083 embodied (commercially known as Falcon 900EX Easy, Falcon 900LX and Falcon 900DX).

Falcon 2000EX aeroplanes, all s/n that have Dassault mod M1691 embodied (commercially known as Falcon 2000EX Easy, Falcon 2000LX, Falcon 2000LXS, Falcon 2000S and Falcon 2000DX).

Falcon 7X aeroplanes, s/n 2 through 400 (inclusive) and s/n 402 (inclusive) and up, including those that have embodied Dassault mod M1000 (commercially known as Falcon 8X).

Definitions:

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

The SB: Dassault Service Bulletin (SB) SB F900EX-614, SB F2000EX-507 or SB 7X-632, as applicable.

Affected part: CMA-1310 electronic display units (EDU), having Part Number (P/N) 100-604073-000, and with a mod-status between 2 and 6 (inclusive).



Serviceable part: CMA-1310 EDU, having P/N 100-604073-000, and with mod-status 7 or higher.

Groups: Group 1 are aeroplanes which have an affected part installed. Group 2 are aeroplanes which do not have an affected part installed.

Reason:

Occurrences of finding swelling of the lithium-polymer internal and external batteries of CMA-1310 EDU have been reported. The swelling occurs due to a high inrush charge and discharge current stress condition applied on a deeply discharged lithium-polymer battery.

This condition, if not corrected, could lead to the thermal runaway of a battery, possibly resulting in the release of heat, smoke, fire and explosion in the cockpit.

To address this potential unsafe condition, Dassault developed a modification, removing the internal battery and updating the BIOS firmware, and issued the SB to provide instructions for affected part replacement with modified units and for modification of an affected part.

For the reasons described above, this AD requires replacement of affected parts with serviceable parts and prohibits reinstallation of affected parts.

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

Required as indicated by this AD, unless the actions required by this AD have been already accomplished:

Replacement:

- (1) For Group 1 aeroplanes: Within 12 months or 800 flight hours, whichever occurs first after the effective date of this AD, replace each affected part with a serviceable part. This can be accomplished in accordance with the instructions of the SB (see Note 1 of this AD).

Note 1: The SB provides instructions to modify an affected part into a serviceable part.

Inspection:

- (2) Concurrently with installation of a serviceable part as required by paragraph (1) of this AD, inspect the external battery of that serviceable part in accordance with the instructions of the SB.

Corrective Action(s):

- (3) If, during the inspection as required by paragraph (2) of this AD, a defective external battery is found, as identified in the SB, before next flight, replace that external battery with a new battery in accordance with the instructions of the SB.

Parts Installation:

- (4) Do not install (see Note 2 of this AD) an affected part on any aeroplane as required by paragraph (4.1) or (4.2) of this AD, as applicable.

- (4.1) For Group 1 aeroplanes: After modification of the aeroplane as required by paragraph (1) of this AD.



(4.2) For Group 2 aeroplanes: From the effective date of this AD.

Note 2: Removing an affected part from an aeroplane and, during the same maintenance visit, re-installing that part on the same location of the same aeroplane, is not considered “install” as specified in paragraph (4) of this AD.

Ref. Publications:

Dassault SB F900EX-614 original issue dated 15 September 2023, including its ERRATUM dated 18 December 2023.

Dassault SB F2000EX-507 original issue dated 15 September 2023, including its ERRATUM dated 18 December 2023.

Dassault SB 7X-632 original issue dated 15 September 2023, including its ERRATUM dated 18 December 2023.

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 05 February 2024 as PAD 24-016 for consultation until 04 March 2024. 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](#). This may include reporting on the same or similar components, other than those covered by the design to which this AD applies, if the same unsafe condition can exist or may develop on an aircraft with those components installed. Such components may be installed under an FAA Parts Manufacturer Approval (PMA), Supplemental Type Certificate (STC) or other modification.
5. 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) 5 56 18 47 47
 - For USA, Canada and Mexico based operators: Help Desk: (1) 800-2FALCON (2325266)
 - All other areas: Help Desk: (1) 201 541 4747.

