



Notification of a Proposal to issue an Airworthiness Directive

PAD No.: 24-016

Issued: 05 February 2024

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:

DASSAULT AVIATION

Type/Model designation(s):

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

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

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 is 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 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. This Proposed AD will be closed for consultation on 04 March 2024.
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](#). This may include reporting on the same or similar components, other than those covered by the design to which this PAD 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.
4. For any question concerning the technical content of the requirements in this PAD, 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.

