



Emergency Airworthiness Directive

AD No.: 2021-0036-E

Issued: 25 January 2021

Note: This Emergency 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:

DASSAULT AVIATION

Type/Model designation(s):

Falcon 7X aeroplanes

Effective Date: 27 January 2021

TCDS Number(s): EASA.A.155

Foreign AD: Not applicable

Supersedure: None

ATA 35 – Oxygen – Crew Oxygen Mask Stowage Boxes – Inspection

Manufacturer(s):

Dassault Aviation (Dassault)

Applicability:

Falcon 7X aeroplanes, all manufacturer serial numbers (s/n), including those that have embodied Dassault modification (mod) M1000 (commercially known as Falcon 8X) in production.

Definitions:

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

Affected part: Crew oxygen mask stowage boxes, having Part Number CSD30-005-X-X, where 'X' can represent any alphanumerical value.

The SB: Dassault Service Bulletin (SB) 7X-570.

Groups: Group 1 aeroplanes are those that have an affected part installed before 01 January 2021. These are known to be Falcon 7X aeroplanes having s/n 002 through 289 (inclusive), 291, 292, 402 through 457 (inclusive), 459 through 466 (inclusive), 470 and 474 through 478 (inclusive), except those having an operational test of the crew oxygen system accomplished in accordance with Falcon 7X Aircraft Maintenance Manual (AMM) task 35-10-00-710-801 since the test performed during the installation of the stowage box.



Group 2 aeroplanes are all other aeroplanes.

Reason:

Deviations were reported concerning the assembly and overhaul processes of a batch of affected parts. This included incorrect application of Loctite®222 thread-locker on screws of the fitting sensor.

This condition, if not detected and corrected, could lead to blocked flow of oxygen supply to cockpit crew oxygen masks, which, in combination with in-flight depressurization, smoke in cockpit or smoke evacuation procedure, may lead to cockpit crew hypoxia and loss of useful consciousness, possibly resulting in loss of control of the aeroplane.

To address this potential unsafe condition, Dassault issued the SB to provide inspection instructions.

For the reason described above, this AD requires a one-time inspection of the affected parts and, depending on findings, accomplishment of applicable corrective action(s). This AD also introduces conditions for (re)installation of affected parts.

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

Required as indicated, unless accomplished previously:

Inspection(s):

- (1) For Group 1 aeroplanes: Within 5 flight cycles after the effective date of this AD, inspect each affected part in accordance with the instructions of the SB.

Corrective Action(s):

- (2) If, during the inspection as required by paragraph (1) of this AD, any discrepancy is detected, as defined in the SB, before next flight, accomplish the applicable corrective action(s) in accordance with the instructions of the SB.

Parts Installation:

- (3) For Group 1 and Group 2 aeroplanes: From the effective date of this AD, it is allowed to install an affected part on an aeroplane, provided that, before next flight after installation, the affected part passes (no discrepancy detected) an operational test. This can be accomplished in accordance with the instructions of Falcon 7X AMM task 35-10-00-710-801.

Ref. Publications:

Dassault SB 7X-570 original issue dated 21 January 2021.

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. The results of the safety assessment have indicated the need for immediate publication and notification, without the full consultation process.
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) 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.

