

Emergency Airworthiness Directive

AD No.: 2021-0202-E

Issued: 09 September 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: 13 September 2021

TCDS Number(s): EASA.A.155

Foreign AD: Not applicable

Supersedure: None

ATA – Aeroplane Flight Manual – Amendment
Manufacturer(s):

Dassault Aviation (Dassault)

Applicability:

Falcon 7X aeroplanes, all manufacturer serial numbers, 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: SAFRAN crew oxygen mask Part Number MLD40-45-00.

The applicable AFM CP: Dassault Aeroplane Flight Manual (AFM) Change Project (CP) as specified in Table 1 of this AD, as applicable.

Groups: Group 1 aeroplanes are those that have an affected part installed. Aeroplanes on which Dassault modification (mod) M1435 has been embodied in production or Dassault Service Bulletin (SB) SB7X-506 has been embodied in service are Group 1 aeroplanes, provided that the aeroplane remains in that configuration.

Group 2 aeroplanes are those that do not have an affected part installed.

Reason:

An occurrence was reported of finding plastic molding burrs and defects located on the piston hole associated to the O2 saver feature, on the production line of certain SAFRAN flight crew oxygen masks. The O2 saver function allows wearing the oxygen mask with a limited oxygen consumption and saves oxygen by delivering it only when needed, either automatically in case of depressurization, or manually by switching the 100% or EMERG mode button by a pilot. The burrs and/or defects on the piston hole may prevent efficient deactivation of the O2 saver function. This condition, if not detected or corrected, could lead to blocked or reduced oxygen supply to a flight crew member in case of decompression or smoke/fire in the cockpit.

To address this potential unsafe condition, Dassault developed a specific check, to be performed by the flight crew, ensuring that the O2 saver function is not activated and an operating limitation preventing the use of the O2 saver function. This flight crew procedure was published in the applicable AFM CP.

For the reasons described above, this AD requires amendment of the applicable AFM by incorporating the applicable AFM CP.

This AD is still considered to be an interim measure and further AD action may follow.

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

Required as indicated, unless accomplished previously:

AFM amendment:

- (1) For Group 1 aeroplanes: Before next flight after the effective date of this AD, amend the applicable AFM to incorporate the applicable AFM CP, as defined in Table 1 of this AD, inform all flight crews and, thereafter, operate the aeroplane accordingly.

Table 1 - Applicable AFM / AFM CP

Affected Aeroplane / Configuration	Applicable AFM	Applicable AFM CP
Falcon 7X pre-mod M1000	DGT105608	CP0183-PUB
Falcon 7X post-mod M1000 (Falcon 8X)	DGT147681	CP0183-PUB

- (2) Amending the applicable AFM by incorporating a later revision, which includes the AFM change as required by this AD, is an acceptable method to comply with the requirements of paragraph (1) of this AD.
- (3) For Group 2 aeroplanes: Installation of an affected part on an aeroplane is allowed, provided that it is accomplished in accordance with approved maintenance data and, concurrently with an installation, the applicable AFM is updated as required by paragraph (1) of this AD or as specified by paragraph (2) of this AD.

Ref. Publications:

Dassault Falcon 7X AFM DGT105608 CP0183-PUB dated 03 September 2021.

Dassault Falcon 8X AFM DGT147681 CP0183-PUB dated 03 September 2021.



Dassault SB SB7X-506 original issue dated 07 July 2020 or Revision 1 dated 18 January 2021.

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. 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: 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.

