Airworthiness Directive

AD No.: 2026-0053

Issued: 13 March 2026

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 7X aeroplanes

Effective Date: 27 March 2026
TCDS Number(s): EASA.A.155
Foreign AD: Not applicable
Supersedure: None

ATA 21 – Air Conditioning – Air Conditioning Pack – Inspection

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Manufacturer(s):
Dassault Aviation (Dassault)

Applicability:
Falcon 7X aeroplanes, all manufacturer serial numbers, including those on which Dassault modification M1000 (commercially known as Falcon 8X) has been embodied in production.

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

The SB: Dassault Service Bulletin (SB) 7X-653.

Affected part: Exhaust plenum having Part Number (P/N) 6112C020 or P/N 6146C770.

Note 1: An Environmental Control and Life Support System (ECS) pack assembly having a serial number with suffix 'B' is not equipped with an affected part.

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

Reason:

Occurrences were reported of finding damages at the composite exhaust plenum within ECS pack assembly.

This condition, if not detected and corrected, could affect the structural integrity of the aeroplane.

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

For the reason described above, this AD requires a one-time inspection of the affected part and, depending on findings, accomplishment of corrective actions.

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

Required as indicated by this AD, unless the action(s) required by this AD have been already accomplished:

Inspections:

(1) For Group 1 aeroplanes: Within 13 months or 850 flight hours, whichever occurs first after the effective date of this AD, accomplish an 'ECS pack assembly flow analysis' in accordance with the instructions of the SB.

(2) If, during the 'ECS pack assembly flow analysis' as required by paragraph (1) of this AD, it is determined that the flow rate, as defined in the SB, exceeds 3 kg/min, before next flight, inspect the ECS pack assembly in accordance with the instructions of the SB.

Corrective Action(s):

(3) If, during the ECS pack assembly inspection as required by paragraph (2) of this AD, it is determined that the exhaust plenum is torn:

(3.1) Before next flight, accomplish a structural inspection in accordance with the instructions of the SB; and

(3.2) Before next flight after the structural inspection as required by paragraph (3.1) of this AD, contact Dassault for applicable repair instructions and to report the structural inspection results (including no findings), and, within the compliance time specified in those instructions, accomplish those instructions accordingly.

(4) If, during the ECS pack assembly inspection as required by paragraph (2) of this AD, it is determined that the exhaust plenum is not serviceable, as defined in the SB, before next flight, replace the exhaust plenum with an exhaust plenum P/N 77100162-4001 in accordance with the instructions of the SB.

Part(s) Installation:

(5) For Group 1 and Group 2 aeroplanes: From the effective date of this AD, it is allowed to (re)install an ECS pack assembly equipped with an affected part on an aeroplane, provided that, before installation, it passes (exhaust plenum determined to be serviceable) an inspection as required by paragraph (2) of this AD.

Ref. Publications:

Dassault SB 7X-653, original issue dated 28 January 2026.

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. This AD was posted on 11 February 2026 as PAD 26-028 for consultation until 11 March 2026. 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.