



Emergency Airworthiness Directive

AD No.: 2019-0040-E

Issued: 21 February 2019

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 10 aeroplanes

Effective Date: 25 February 2019

TCDS Number(s): EASA.A.173

Foreign AD: Not applicable

Supersedure: None

ATA 30 – Ice and Rain Protection – Wing Anti-Ice Outboard Flexible Hoses – Inspection

Manufacturer(s):

Dassault Aviation (formerly Avions Marcel Dassault-Bréguet Aviation)

Applicability:

Falcon 10 aeroplanes, all serial numbers.

Definitions:

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

Affected part: Wing anti-ice flexible hose, having Part Number (P/N) 115S018A315 (outboard hose).

Serviceable part: Wing anti-ice flexible hoses, having P/N FAL1007, or P/N 115S018A315 (outboard hose). Life limits remain applicable, as required by paragraph (4) of EASA AD 2017-0108.

The SB: Dassault Aviation (Dassault) Alert Service Bulletin (SB) F10-338. The SB provides instructions for inboard and outboard hoses inspection. This AD only requires action on the outboard hoses.

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, involving Falcon 10 aeroplanes, where wing anti-ice outboard flexible hoses P/N 115S018A315 were found damaged. Investigation shows that those damages are most likely due to the installation process.

This condition, if not corrected, could lead to a loss of performance of the wing anti-ice protection system not annunciated to the pilot, possibly resulting in reduced control of the aeroplane.

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

For the reason described above, this AD requires a one-time inspection of the wing anti-ice outboard flexible hoses and, depending on findings, further inspection(s) or replacement. This AD also provides instructions for installation of an affected part on an aeroplane.

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

Required as indicated, unless accomplished previously:

- (1) Group 1 aeroplanes: Within the compliance times specified in Table 1 of this AD, as applicable, accomplish a detailed inspection of each affected part in accordance with the instructions of paragraph 2 (Section F10-338-1) of the SB.

Table 1 – Inspection (see Note 1 of this AD)

Flight Cycles (FC)	Compliance Times
Less than 10 FC	Before next flight in icing condition after the affected part accumulates 10 FC
10 FC or more	Before next flight in icing condition

Note 1: The FC specified in Table 1 of this AD are those accumulated by an affected part since installation on the aeroplane.

- (2) If, during the inspection as required by paragraph (1) of this AD, only damage within 'Acceptable' criteria, as defined in the SB, is detected, and the affected part has accumulated less than 100 FC since installation of the aeroplane, repeat the inspection as required by paragraph (1) of this AD at intervals not to exceed 25 FC.

Corrective Action:

- (3) If, during any inspection as required by paragraph (1) or (2) of this AD, any damage exceeding 'Acceptable' criteria, as defined in the SB, is detected, before next flight, replace the affected part with a serviceable part in accordance with the instructions of paragraph 2 (Section F10-338-1) of the SB.

Terminating Action:

- (4) Accomplishment of an inspection of an affected part, as required by paragraph (2) of this AD, after that part has accumulated 100 FC since installation on an aeroplane, constitutes



terminating action for the repetitive inspections as required by paragraph (2) of this AD for that affected part, provided the damage remains within 'Acceptable' criteria, as defined in the SB.

Part Installation:

- (5) For Group 1 and Group 2 aeroplanes: From the effective date of this AD, installation of an affected part is allowed, provided that it is a serviceable part, as defined in this AD, and that, following installation, it is inspected as required by this AD.

Ref. Publications:

Dassault Aviation SB F10-338 original issue dated 20 February 2019.

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](#).
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

