



## Airworthiness Directive

**AD No.:** 2017-0108

**Issued:** 22 June 2017

Note: This Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EC) 216/2008 on behalf of the European Union, its Member States and of the European third countries that participate in the activities of EASA under Article 66 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 (EC) 216/2008, Article 14(4) exemption].

**Design Approval Holder's Name:**

DASSAULT AVIATION

**Type/Model designation(s):**

Falcon 10 aeroplanes

**Effective Date:** 29 June 2017

**TCDS Number(s):** EASA.A.173

**Foreign AD:** Not applicable

**Supersedure:** This AD supersedes EASA AD 2014-0104 dated 07 May 2014.

### ATA 30 – Ice and Rain Protection – Wing Anti-Ice Hose – Replacement

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**Manufacturer(s):**

Dassault Aviation (formerly Avions Marcel Dassault-Bréguet Aviation).

**Applicability:**

Falcon 10 aeroplanes, all serial numbers.

**Reason:**

Occurrences were reported, involving Falcon 10 aeroplanes, where wing anti-ice hoses collapsed. The subsequent investigation revealed that the flexible hose, Part Number (P/N) FAL1005, collapsed because of an internal ply separation.

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 Aviation (Dassault) issued Service Bulletin (SB) F10-313 Revision 1 to provide replacement instructions.

Consequently, EASA issued AD 2005-0020 and AD 2006-0114, respectively imposing flight limitations, and requiring replacement of the flexible hoses P/N FAL1005 with improved hoses P/N FAL1007.



Since those ADs were issued, further occurrences were reported concerning aeroplanes equipped with improved hoses, which led to the conclusion that the life limit of the flexible hose P/N FAL1007 must be reduced. Consequently, EASA issued AD 2014-0104, which retained the requirements of EASA AD 2006-0114, which was superseded; superseded EASA AD 2005-0020; required replacement of flexible hoses having P/N FAL1000, P/N FAL1001, P/N FAL1005 or P/N FAL1005D, and reduced the life limit of the flexible hoses P/N FAL1007.

Since that AD was issued, Dassault developed new wing anti-ice flexible hoses P/N 115S017A315 (inboard hose) and P/N 115S018A315 (outboard hose).

For the reason described above, this AD retains the requirement of EASA AD 2014-0104, which is superseded, extends the required actions to these new wing anti-ice flexible hoses, and requires implementation of the same life limit for these new hoses.

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

Required as indicated, unless accomplished previously:

#### **Modification:**

- (1) Within 330 flight hours (FH) or 7 months, whichever occurs first after 24 May 2006 [the effective date of EASA AD 2006-0114], replace each flexible hose P/N FAL1005 with a flexible hose P/N FAL1007 in accordance with the instructions of Dassault Service Bulletin (SB) F10-313 revision 1.
- (2) Within 65 days after 21 May 2014 [the effective date of EASA AD 2014-0104], replace each flexible hose having P/N FAL1000, or P/N FAL1001, or P/N FAL1005D, with a flexible hose P/N FAL1007. This can be accomplished in accordance with the instructions of Dassault Falcon 10 Maintenance Procedure (MP) 30-10-03.
- (3) From the effective date of this AD, installation on an aeroplane of a wing anti-ice flexible hose P/N 115S017A315 (inboard hose) or P/N 115S018A315 (outboard hose) is allowed. This can be accomplished in accordance with the instructions of Dassault Falcon 10 SB F10-333 revision 1.

#### **Replacement:**

- (4) Before exceeding 350 FH by each flexible hose since first installation on an aeroplane, replace each flexible hose with a serviceable flexible hose (see Note 1 of this AD). This can be accomplished in accordance with the instructions of Dassault Aviation Falcon 10 MP 30-10-03 or MP 30-10-04.

Note 1: For the purpose of this AD, a serviceable flexible hose is a part having P/N FAL1007, or P/N 115S017A315 (inboard hose), or P/N 115S018A315 (outboard hose), that has not exceeded 350 FH since first installation on an aeroplane.

Note 2: It is expected that Falcon 10 Chapter 5-40 will be updated accordingly in the next revision. Pending this update, the associated CP 005, which has been approved through M0944, is attached to the record of this AD.



**Part installation:**

- (5) After modification of an aeroplane as required by paragraph (1) or (2) of this AD, or as specified in paragraph (3) of this AD, as applicable, do not install wing anti-ice flexible hose P/N FAL1000, P/N FAL1001, P/N FAL1005D, or P/N FAL1005 on an aeroplane.

**Ref. Publications:**

Dassault Aviation SB F10-313 Revision 1, dated 10 May 2006.

Dassault Aviation SB F10-333 Revision 1, dated 14 June 2017.

Dassault Aviation Falcon 10 MP 30-10-03 and MP 30-10-04.

The use of later approved revisions of these 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. Based on the required actions and the compliance time, EASA have decided to issue a Final AD with Request for Comments, postponing the public consultation process until after publication.
3. Enquiries regarding this AD should be referred to the EASA Safety Information Section, Certification Directorate. E-mail: [ADs@easa.europa.eu](mailto:ADs@easa.europa.eu).
3. 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

