Airworthiness Directive

AD No.: 2018-0022

Issued: 29 January 2018

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 2000 and Falcon 2000EX aeroplanes

Effective Date: 12 February 2018

TCDS Number(s): EASA.A.008

Foreign AD: Not applicable

Supersedure: None

ATA 30 – Ice and Rain Protection – Wing Anti-Ice System / Anti-Ice Pipe – Inspection / Replacement

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Manufacturer(s):
Dassault Aviation (Dassault)

Applicability:
Falcon 2000 and Falcon 2000EX aeroplanes, all serial numbers, if equipped with wing anti-ice pipe Part Number (P/N) F2MA724561A1 or P/N F2MA724561A2, except those on which Dassault modification (mod) M5000 or Dassault mod M5001 has been embodied in production.

Reason:
Occurrences were reported on Falcon 2000 and Falcon 2000EX aeroplanes, where metallic debris was found in slat piccolo tubes. The technical investigation revealed that debris originated from the flow guide of the ball joint located downstream of the wing anti-ice valve. It was also determined that small debris gathers at the end of the piccolo tube, but larger pieces of debris may stop before, in the distribution piping, restricting the airflow and potentially leading to undetected insufficient wing anti-ice capability.

This condition, if not detected and corrected, could lead to undetected significant ice accretion on the wing, possibly resulting in loss of control of the aeroplane.

To address this potential unsafe condition, Dassault Aviation issued Service Bulletin (SB) F2000EX-413 for Falcon 2000EX and SB F2000-441 for Falcon 2000, providing applicable instructions.

For the reasons described above, this AD requires repetitive inspections of the affected ball joint and, depending on findings, accomplishment of applicable corrective actions and inspections of wing anti-ice pipes.

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

Required as indicated, unless accomplished previously:

Note 1: Dassault SB F2000EX-413 and SB F2000-441 are collectively referred to as 'the applicable SB' in this AD.

Repetitive Inspection:

(1) Within 25 months after the effective date of this AD and, thereafter, at intervals not to exceed 25 months, inspect the ball joint downstream of the wing anti-ice valve in accordance with the instructions of the applicable SB.

Corrective action(s):

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

Terminating Action:

(3) None.

Ref. Publications:

Dassault Aviation SB F2000-441 original issue, dated 20 June 2017.

Dassault Aviation SB F2000EX-413 original issue, dated 10 July 2017.

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. This AD was posted on 05 December 2017 as PAD 17-162 for consultation until 02 January 2018. 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. For any question concerning the technical content of the requirements in this AD, please contact your Dassault Falcon Technical Center:

- For Europe, Middle East and Africa based operators:
  Hot Line: (33) 1 47 11 37 37 / Fax: (33) 1 47 11 89 49
- For USA, Canada and Mexico based operators:
  Help Desk: (1) 800-2FALCON (2325266)
- All other areas:
  (1) 201 541 4747