


EASA	EMERGENCY AIRWORTHINESS DIRECTIVE
	AD No : EASA AD 2005-0020 Issued/Date: 29/06/2005

No person may operate an aircraft to which an Airworthiness Directive applies, except in accordance with the requirements of that Airworthiness Directive unless otherwise agreed with the Authority of the State of Registry.

Type Approval Holder's Name: DASSAULT AVIATION	Type/Model designation(s): FALCON 10
TCDS Number: DGAC 68 / 142	
Foreign AD Nr: N/A	
Supersedure: DGAC F-2005-041 (EASA reference No 2005-1986)	

ATA 30	Ice and rain protection - Collapsed wing anti-ice hoses - Inspection / Replacement
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Manufacturer(s):	DASSAULT AVIATION
Applicability:	All Falcon 10 aircraft
Reason:	<p>This Airworthiness Directive (AD) is issued following the discovery of a wing anti-ice flexible hose collapsed on an in-service Falcon 10. The hose has collapsed because of the internal ply separation of the flexible hose.</p> <p>The consequence on the aircraft of these collapsed hoses might be insufficient anti-icing not detected by the system. Ice accretion on the wing might then occur and might jeopardize the aircraft flight performances and safety.</p> <p>The first analysis of this incident led to a temporary periodicity of inspection of 60 flights. Recent events have shown that a shorter periodicity is necessary, pending qualification of an improved hose. A periodicity of 10 flights during which the anti ice system has been activated has been defined. An improved inspection procedure, allowing the use of a boroscope has been designed to ease compliance.</p> <p>This AD requires to replace implementation of Service Bulletin (SB) F10-A312 original issue (as mandated by the superseded AD) by implementation of SB F10-A312 rev. 1. This SB must be re-implemented at an interval of 10 flights during which the anti icing system has been activated.</p> <p>This AD also allows the operator to choose not to apply the SB provided that:</p> <ul style="list-style-type: none"> • Flights in icing conditions are no more allowed; • A placard has to be installed in the plain view of the crew to remind this operational limitation.
Approval number, date:	EASA approval reference 2005-6059 of 23 June 2005.
Effective Date:	On receipt, as of 29 June, 2005.

Compliance:	<p>The following measures become mandatory at the effective date of this AD:</p> <ul style="list-style-type: none">- Prior to next flight, for aircraft non compliant with DASSAULT Alert Service Bulletin F10-A312 original issue <p>or</p> <ul style="list-style-type: none">- Within the next 10 flights with Anti-Ice system in use, for aircraft compliant with DASSAULT Alert Service Bulletin F10-A312 original issue. [With this end in view, The flight crew shall then record on the flight log, any time the Anti-Ice system switch is ON, in flight,(i.e. to the exclusion of the preflight check.) to be able to determine the first time-limited inspection & the next recurring ones. <p>Perform the actions specified in either paragraph 1 or 2 of this AD:</p> <p>1. Revise the Limitations section of the DASSAULT AVIATION Falcon 10 AFM, and install a placard in the flight deck, to include the following information.</p> <p>"Flights into known or forecast icing conditions are prohibited."</p> <p>The AFM revision may be done by inserting a copy of this AD into the AFM. Install the placard in clear view of the pilot.</p> <p>2.1.Perform a detailed inspection of the internal walls of the hoses for delamination, and perform any applicable corrective action, by accomplishing the actions specified in the Accomplishment Instructions of DASSAULT Alert Service Bulletin F10-A312, Revision 1 dated 27 June, 2005.</p> <p>If any blister is found in the hose, before further flight, replace that hose with a Hose part numbered (P/N) FAL1005D.</p> <p>2.2.After performing any detailed inspection required by paragraph 2.1 of this AD, submit to DASSAULT AVIATION the SB report of the findings. The report must include the airplane serial number, the location of the hose (INBD/OUTBD), the number of flight hours since hose installation, the number of cycles in icing conditions, and the manufacturing date and batch number of the hose</p> <p>2.3.Repeat all actions of § 2 every 10 flights with anti ice system activated.</p> <p>2.4.Insert the following instruction in the Airworthiness Limitations section of the Aircraft Maintenance Manual (this can be achieved by inserting a copy of this AD in Chapter 5-40 of the AMM):</p> <table><tr><th>Operation</th><th>Reference</th><th>Threshold</th><th>Interval</th></tr><tr><td>30- Anti-icing Boroscopic inspection of the wing slats anti-ice flexible hoses.</td><td>SB-F10-A312</td><td></td><td>10 flights with anti ice system activated. Life limit: 3000h</td></tr></table> <p>2.5.Performing actions described in paragraph 2 is a terminating action for the requirements of paragraph 1.Once the initial inspection of paragraph 2 is performed, the AFM limitation and placard required by paragraph 1 may be removed.</p>	Operation	Reference	Threshold	Interval	30- Anti-icing Boroscopic inspection of the wing slats anti-ice flexible hoses.	SB-F10-A312		10 flights with anti ice system activated. Life limit: 3000h
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Ref. Publications:	DASSAULT AVIATION SB F10-A312 rev. 1 Any further approved revision of this document is acceptable								

Remarks:	<p>Enquiries regarding this Airworthiness Directive should be referred to Mr. Paul van Daalen, EASA Airworthiness Directives Focal Point – Certification Directorate. E-mail: paul.van-daalen@easa.eu.int European Aviation Safety Agency</p> <p>For questions concerning the technical contents of this AD's requirements, contact your Dassault Customer Service Manager / Field Representative.</p>
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Superseded