


EASA	AIRWORTHINESS DIRECTIVE
	<p>AD No.: 2012-0190</p> <p>Date: 24 September 2012</p> <p>Note: This Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EC) No 216/2008 on behalf of the European Community, its Member States and of the European third countries that participate in the activities of EASA under Article 66 of that Regulation.</p>
<p>This AD is issued in accordance with EC 1702/2003, Part 21A.3B. In accordance with EC 2042/2003 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 [EC 2042/2003 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [EC 216/2008, Article 14(4) exemption].</p>	
<p>Design Approval Holder's Name :</p> <p>DASSAULT AVIATION</p>	<p>Type/Model designation(s) :</p> <p>Fan Jet Falcon, Mystère-Falcon 20 and Mystère-Falcon 200 aeroplanes</p>
TCDS Number:	DGAC FRANCE 103, 103 bis and 103 ter
Foreign AD:	Not applicable
Supersedure:	None
ATA 26	Fire Protection – Extinguishing System – Defective Cartridges – Inspection / Replacement
Manufacturer(s):	Dassault Aviation, Avions Marcel Dassault - Breguet Aviation
Applicability:	Fan Jet Falcon aeroplanes, all Models, Mystère-Falcon 20-() 5 aeroplanes, all Models, Mystère-Falcon 200 and Mystère-Falcon 20 GF aeroplanes, all manufacturer serial numbers.
Reasons:	<p>Several defective fire bottle cartridges have been reported on certain Dassault Aviation Fan Jet Falcon and Mystère-Falcon 20-() 5 aeroplanes.</p> <p>The results of the investigations concluded that there was a production quality issue with the fire bottle cartridge. In addition, the part numbers (P/N) of the fire bottle cartridge and the batch numbers have been identified.</p> <p>This condition, if not detected and corrected, could constitute a dormant failure that might impact the capability to extinguish a fire, either in an engine or the Auxiliary Power Unit, or the rear compartment, possibly resulting in damage to the aeroplane and injury to the occupants.</p> <p>For the reason described above, this AD requires repetitive checking of the electrical continuity of the fire extinguishers bottles cartridges and depending on findings, replacement of an affected part with a serviceable part. It also ultimately requires replacement of any affected cartridges with a serviceable part. In addition, this AD prohibits installation of an affected fire extinguisher bottle cartridge.</p>
Effective Date:	08 October 2012

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

Required as indicated, unless previously accomplished:

Part A: For aeroplanes equipped with fire extinguisher bottle cartridges having a P/N, batch number and manufacturing date as listed in Table 1 of this AD and identified in Dassault Aviation Service Bulletin (SB) F20-783 (F20 & F20-5) or SB F200-128 (F200), as applicable to aeroplane model.

- (1) Within 30 days or 100 flight hours, whichever occurs first after the effective date of this AD, accomplish a check of the fire extinguisher bottle cartridges in accordance with the instructions of Dassault Aviation SB F20-783 (F20 & F20-5) or SB F200-128 (F200), as applicable to aeroplane model.
- (2) If, during the check as required by paragraph (1) of this AD, a discrepancy is identified, before next flight, replace the affected fire extinguisher bottle cartridge(s) with serviceable part(s), as applicable.

Note: For the purpose of this AD, a serviceable fire extinguisher bottle cartridge is one having a P/N, batch number and/or manufacturing date **not identified** in Table 1 of this AD.

Table 1 – Affected cartridges

P/N	Batches	Manufacturing Date
12-12-11707S1-4	up to 44 (inclusive)	Before May 2012 (05/12)
12-12-11707S2-4	up to 33 (inclusive)	
12-12-11707S3-4	up to 44 (inclusive)	

- (3) For aeroplanes equipped with fire extinguisher bottle cartridges P/N 12-12-11707S3-4 ("green cartridges") with an affected batch number and manufacturing date, repeat the check of the fire extinguisher bottle cartridges, at intervals not to exceed 65 days in accordance with the instructions of Maintenance Procedure 26-20-2-6 (F20 & F20-5) or Work Card 171.1 (F200) of the Aircraft Maintenance Manual (AMM), as applicable to aeroplane model.
- (4) For aeroplanes equipped with fire extinguisher bottle cartridges P/N 12-12-11707S1-4 or P/N 12-12-11707S2-4, with an affected batch number and manufacturing date, repeat the check of the fire extinguisher bottle cartridges, at intervals not to exceed 12 months in accordance with the instructions of Maintenance Procedure 26-20-2-6 (F20 & F20-5) or Work Card 171.1 (F200) of the AMM, as applicable to aeroplane model.
- (5) If, during any check as required by paragraphs (3) or (4) of this AD, as applicable, a discrepancy is detected, before next flight, replace the affected extinguisher bottle cartridge with a serviceable part.
- (6) Within 30 months after installation of an affected fire extinguisher bottle cartridge on an aeroplane, or within 36 months since cartridge manufacturing date, whichever occurs first after the effective date of this AD, replace each affected fire extinguisher bottle cartridge as listed in Table 1 of this AD with a serviceable part.
- (7) Replacement of an affected fire extinguisher bottle cartridge with a serviceable part, as required by paragraph (6) of this AD, constitutes

	<p>terminating action for the repetitive actions as required by this AD.</p> <p>Part B: For All aeroplanes:</p> <p>(8) From the effective date of this AD, do not install any fire extinguisher bottle cartridge as listed in Table 1.</p>
Ref. Publications:	<p>Dassault-Aviation AMM, F20 : DMD 11752 and F200 : DMD 29214-3.</p> <p>Dassault Aviation TR AMM: F20 TR 301 (MP 26-20-2-6), and F200 TR 59 (WC 171.1).</p> <p>Dassault Aviation SB F20-783 Rev 1, and SB F200-128 Rev1.</p> <p>The use of later approved revisions of these documents is acceptable for compliance with the requirements of this AD.</p>
Remarks :	<ol style="list-style-type: none"> 1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD. 2. This AD was posted on 03 July 2012 as PAD 12-071 for consultation until 31 July 2012. No comments were received during the consultation period. 3. Enquiries regarding this AD should be referred to the Safety information Section, Executive Directorate, EASA. E-mail ADs@easa.europa.eu. 4. For any question concerning the technical contents of requirements in this AD, please contact your Dassault Falcon Technical Assistance: <ul style="list-style-type: none"> • For Europe, Middle East and Africa based operators: <p>Hot Line: (33) 1 47 11 37 37</p> • For USA, Canada and Mexico based operators: <p>Help Desk: (1) 800-2FALCON (2325266)</p> • All other areas: <p>Help Desk: (1) 201 541 4747</p>