

EASA	AIRWORTHINESS DIRECTIVE
	AD No.: 2013-0255 Date: 23 October 2013 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.
This AD is issued in accordance with EU 748/2012, Part 21.A.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].	
Design Approval Holder's Name : DASSAULT AVIATION	Type/Model designation(s) : Mystère-Falcon 50 and Falcon 2000 aeroplanes
TCDS Numbers: EASA.A.062 and EASA.A.008	
Foreign AD: Not applicable	
Supersedure: None	
ATA 32	Landing Gear – Main Landing Gear Brake Hoses – Inspection / Modification
Manufacturer(s): Dassault Aviation (formerly Avions Marcel Dassault-Bréguet Aviation)	
Applicability: Mystere-Falcon 50 aeroplanes (including all commercial variants), all serial numbers, Falcon 2000 aeroplanes, all serial numbers.	
Reason: During ground maintenance, a Falcon 2000 aeroplane experienced a loss of hydraulic pressure, affecting both hydraulic systems. The investigation results revealed that this event was due to damage to both brake hoses on the same main landing gear (MLG), which chafed against the torque link assembly during MLG extension/retraction cycle. The Part Numbers (P/N) of the affected brake hoses are P/N AE705317-1 and P/N 00-200-1268, which are made of a braided stainless steel sleeve. This condition, if not detected and corrected, could lead to loss of braking during landing or a rejected take-off, possibly resulting in a runway excursion. In addition, there is a risk of fire if the leaking brake hydraulic fluid reaches hot parts. For the reasons described above, this AD requires a one-time inspection of the brake hoses to identify the P/N and determine the presence of protection against chafing and, depending on findings, installation of protective wraps or replacement of the brake hoses with serviceable parts that have a Dacron sleeve protection.	

Effective Date:	06 November 2013													
Required Action(s) and Compliance Time(s):	Required as indicated, unless accomplished previously: (1) Within 9 months after the effective date of this AD, accomplish the following actions: (1.1) Inspect the brake hoses to identify whether brake hoses P/N AE705317-1 or P/N 00-200-1268 are installed. (1.2) If, during the inspection as required by paragraph (1.1) of this AD, it is determined that brake hoses P/N AE705317-1 or P/N 00-200-1268 are installed, accomplish one of the following actions: Install protective wraps on the brake hoses in accordance with the instructions of Dassault Service Bulletin (SB) F50-510 or SB F2000-382, as applicable to aeroplane type, or Install brake hoses P/N 00-200-1534 which are fitted with Dacron sleeves in accordance with the instructions of Dassault SB F50-518 or SB F2000-368, as applicable to aeroplane type. (1.3) If, during the inspection as required by paragraph (1.1) of this AD, it is determined that the aeroplane is equipped with a MLG leg assembly with a P/N as specified in Table 1 of this AD, the requirement of paragraph (1.2) is not applicable, provided that the MLG leg assembly has not been modified in-service after its installation on an aeroplane. Table 1 – MLG leg assembly not affected <table><tr><th>Model</th><th>MLG Leg Position</th><th>P/N</th></tr><tr><td rowspan="2">Mystere-Falcon 50</td><td>Left Hand (LH)</td><td>C23791-1009 amdt F</td></tr><tr><td>Right Hand (RH)</td><td>C23792-1009 amdt F</td></tr><tr><td rowspan="2">Falcon 2000</td><td>LH</td><td>D23345000-7 amdt B</td></tr><tr><td>RH</td><td>D233460007 amdt B</td></tr></table> Note 1: The parts as listed in Table 1 of this AD are known to be delivered with brake hoses P/N 00-200-1534 which are fitted with Dacron sleeves. (2) From the effective date of this AD, do not install brake hoses P/N AE705317-1 or P/N 00-200-1268 on an aeroplane, unless they have been inspected to verify that protective wraps are installed on those hoses in accordance with the instructions of Dassault SB F50-510 or SB F2000-382, as applicable to aeroplane type. Note 2: Installation of brake hoses P/N AE705317-1 or P/N 00-200-1268 may occur during replacement of main landing gear legs or shock absorbers. (3) Within 6 000 flight cycles, or within 149 months, whichever occurs first after the effective date of this AD, replace brake hoses P/N AE705317-1 and P/N 00-200-1268 with brake hoses P/N 00-200-1534 which are fitted with Dacron sleeves. Note 3: Once brake hoses P/N 00-200-1534 are fitted in the MLG leg, the MLG leg P/N is amended as identified in table 1 of this AD. (4) After modification of an aeroplane by installing brake hoses P/N 00-200-1534 which are fitted with Dacron sleeves as required by paragraph (1.2) or paragraph (3) of this AD, as applicable, do not install on that aeroplane brake hoses P/N AE705317-1 or P/N 00-200-1268 or MLG legs or shock	Model	MLG Leg Position	P/N	Mystere-Falcon 50	Left Hand (LH)	C23791-1009 amdt F	Right Hand (RH)	C23792-1009 amdt F	Falcon 2000	LH	D23345000-7 amdt B	RH	D233460007 amdt B
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	absorbers equipped with a brake hose P/N AE705317-1 or P/N 00-200-1268.
Ref. Publications:	Dassault Aviation SB F50-510, revision 2, dated 20 December 2012. Dassault Aviation SB F50-518, original issue, dated 14 April 2011. Dassault Aviation SB F2000-382, revision 2, dated 12 May 2011. Dassault Aviation SB F2000-368, original issue, dated 29 May 2009. 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. This AD was posted on 10 September 2013 as PAD 13-136 for consultation until 08 October 2013. 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 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 / Fax: (33) 1 47 11 89 49. • For USA, Canada and Mexico based operators: Help Desk: (1) 800-2FALCON (2325266) / Fax: (1) 201 541 4740. • All other areas: Help Desk: (1) 201 541 4747 / Fax: (1) 201 541 4740.