

EASA	AIRWORTHINESS DIRECTIVE
	AD No.: 2011-0049 Date: 21 March 2011 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 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].	
Type Approval Holder's Name : DASSAULT AVIATION	Type/Model designation(s) : MYSTERE-FALCON 900 aeroplanes
TCDS Number: EASA. A.062	
Foreign AD: Not applicable	
Supersedure: None	
ATA 28	Fuel – Fuel Quantity Sensor – Identification / Replacement
Manufacturer(s):	Dassault Aviation (formerly Avions Marcel Dassault-Bréguet Aviation)
Applicability:	Mystère-Falcon 900 aeroplanes, all serial numbers.
Reason:	Several Mystere-Falcon 900 aeroplanes experienced fuel leakage from a defective fuel high-level sensor located in the wing front spar. Investigations revealed that the leakage was due to a defective fuel quantity sensor Part Number (P/N) 722105-2. This condition, if not detected and corrected, could lead to an internal fuel leakage with significant fuel vapours, which could result in a fire hazard. To address this unsafe condition, Dassault Aviation have developed an improved fuel quantity sensor with a new concept of sealing. For the reasons described above, this AD requires the identification of the affected sensors and replacement with the improved part.
Effective Date:	04 April 2011
Required Action(s) and Compliance Time(s):	Required as indicated, unless accomplished previously: (1) Within 440 flight hours or 9 months, whichever occurs first after the effective date of this AD, accomplish the following actions: (1.1) Identify the P/N of the fuel quantity sensors to determine whether any

	are P/N 722105-2. (1.2) If affected sensors are installed, replace the sensors P/N 722105-2 with the improved sensors P/N 722105-3 in accordance with the accomplishment instructions of Dassault Aviation Service Bulletin F900-410. (2) After modification of an aeroplane, as specified in paragraph (1.2) of this AD, do not install any sensor P/N 722105-2 on that aeroplane. (3) For an aeroplane that, on the effective date of this AD, already has sensors P/N 722105-3 installed, from the effective date of this AD, do not install any sensor P/N 722105-2 on that aeroplane.
Ref. Publications:	Dassault Aviation Service Bulletin F900-410, original issue. The use of later approved revisions of this document 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 03 February 2011 as PAD 11-013 for consultation until 03 March 2011. No comments were received during the consultation period. 3. Enquiries regarding this AD should be referred to the Airworthiness Directives, Safety Management & Research Section, Certification 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