EASA	AIRWORTHINESS DIRECTIVE
	AD No.: 2010-0031 **Date: 03 March 2010** 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 :	**Type/Model designation(s) :**
DASSAULT AVIATION	FALCON 7X aeroplanes

TCDS Number :	EASA.A.155
Foreign AD :	Not applicable
Supersedure :	None

ATA 32	**Landing gear - Weight-On-Wheels System - Modification**
Manufacturer(s):	Dassault Aviation
Applicability:	All Falcon 7X aeroplanes, all serial numbers, except those on which modification M1031 has been implemented.
Reason:	Following investigation of an in service event, it has been determined that in case a short circuit occurs on a weight-on-wheels (WOW) proximity sensor wiring, both circuit breakers that supply power to that wiring will trip, causing simultaneous de-power of all WOW proximity sensors of that part of the system. The loss of the corresponding WOW information would lead to untimely inhibition of warnings that could compromise the pilot capacity to react to abnormal or failure landing conditions. This AD requires the modification of the WOW System to improve its robustness against short circuit of the proximity sensors wiring by adding dedicated fuses to each WOW proximity sensor, in accordance with Dassault Aviation Service Bulletin (SB) F7X-065.
Effective Date:	17 March 2010
Required Action(s) and Compliance Time(s):	Required as indicated, unless previously accomplished: Within 27 months or within the next 1 800 flight hours after the effective date of this AD, whichever occurs first, install dedicated fuses on WOW proximity sensors, in accordance with the instructions of Dassault SB F7X-065.

Ref. Publications:	Dassault Aviation Service Bulletin F7X-065, 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 published as PAD 09-116 on 02 October 2009 for consultation until 30 October 2009. 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 contents 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