EASA

AIRWORTHINESS DIRECTIVE

AD No.: 2008- 0197

Date: 29 October 2008

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 Airworthiness Directive applies, except in accordance with the requirements of that Airworthiness Directive 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].

[EC 216/2008, Article 14(4) exemption].		
Type Approval Holder's Name :		Type/Model designation(s) :
McDonnell Douglas Corporation		DC-9-10, -20, -30, -40, and -50 Series, DC-9-81/82/83/87, MD-88, MD-90, and 717 airplanes
TCDS Number: U.S.A No. A6WE		
Foreign AD: Not applicable		
Supersedure : None		
ATA 31		ning System – Airplane Flight Manual and Pre- ne Take-off Warning System – Introduction
Manufacturer(s):	McDonnell Douglas Corporation (previously Douglas Aircraft Co.), The Boeing Company.	
Applicability:	DC-9-50 airplanes; Mo (MD-83), and DC-9-87	Model DC-9-10, DC-9-20, DC-9-30, DC-9-40, and del DC-9-81 (MD-81), DC-9-82 (MD-82), DC-9-83 (MD-87) airplanes; Model MD-88 airplanes; Model MOdel 717-200 airplanes.
Reason:		Donnell Douglas DC-9-82 (MD-82) airplane crashed take off from runway 36L at Madrid's Barajas
	de Accidentes e Incidentes probable causes of the	ry report issued by Spain's Comisión de Investigación entes de Aviación Civil (CIAIAC) did not identify the e accident, it states that the data recordings suggest a set for takeoff and the Take-Off Warning (TOW) did
	were not set for taked recommended all MD system before engine operators' procedure	at in 1987 where it was concluded that the flaps/slats off and the TOW did not occur, McDonnell Douglas -80 series operators conduct a check of the TOW start prior to every flight. It has been found that some s no longer reflect the initial intent of the e by McDonnell Douglas as the check is performed

EASA Form 110 Page 1/2

Effective Date: Required Action(s) and Compliance Time(s):	A defective TOW system could let an improper take-off configuration undetected to the flight crew and result in loss of control during the initial climb. As a consequence, to ensure that all operators of MD-80 series airplanes perform the TOW system check before every flight, this Airworthiness Directive requires an update of the Airplane Flight Manual (AFM) to make the frequency mandatory. The AD also extends to the DC-9 and 717-200 aircraft as the design of the TOW system is common to all three types. 12 November 2008 Required as indicated, unless accomplished previously: Within 15 days after the effective date of this AD, Amend the PROCEDURES section of the applicable Airplane Flight Manual to incorporate the following check. This may be done by inserting a copy of this AD into the AFM after the TABLE OF CONTENTS pages of the PROCEDURES section.	
	Note: This check is mandatory and must be carried out before the first engine start before every flight. Before engine start, and with power on the aircraft: Takeoff Warning/Throttles	
Ref. Publications:	Not applicable	
Remarks :	 If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD. The required actions and the risk allowance have granted the issuance of a Final AD with Request for Comments, postponing the public consultation process after publication. Enquiries regarding this AD should be referred to the Airworthiness Directives, Safety Management & Research Section, Certification Directorate, EASA. E-mail ADs@easa.europa.eu For any questions concerning the technical content of the requirements in this AD, please contact: Boeing Commercial Airplanes Attention: Data and Service Management, Dept. C1-L5A (D800-0024) Long Beach Division, 3855 Lakewood Boulevard 	
	Long Beach, California 90846, United States of America	

EASA Form 110 Page 2/2