


EASA	AIRWORTHINESS DIRECTIVE
	AD No.: 2012-0045 Date: 21 March 2012 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 : EADS CASA	Type/Model designation(s) : CN-235 aeroplanes
TCDS Number:	EASA.A.186
Foreign AD:	Not applicable
Supersedure:	None
ATA 26	Fire Protection – Engine Fire Extinguisher Discharge Cartridge Wiring – Inspection
Manufacturer(s):	EADS CASA, formerly Construcciones Aeronáuticas S.A.(CASA)
Applicability:	CN-235, CN-235-100, CN-235-200, CN-235-300 aeroplanes all serial numbers.
Reason:	<p>Reports have been received of finding wrong electrical polarity connections of engine fire extinguishing discharge cartridges on CASA CN-235 aeroplanes. The results of the subsequent investigation showed that the incorrect discharge cartridge assembly was caused by production line errors.</p> <p>This condition, if not detected and corrected, could prevent the actuation of the discharge cartridge in case of automatic fire detection or manual initiation in case of engine fire, possibly resulting in damage to the aeroplane and injury to occupants.</p> <p>To address this potential unsafe condition, EADS CASA (Airbus Military) developed instructions to identify erroneous wiring polarity installation.</p> <p>For the reasons described above this AD requires a one-time inspection to verify proper electrical polarity of wiring of each engine fire extinguisher discharge cartridge and, depending on findings, corrective action.</p>
Effective Date:	04 April 2012

<p>Required Action(s) and Compliance Time(s):</p>	<p>Required as indicated, unless accomplished previously:</p> <ol style="list-style-type: none"> (1) Within 30 days after the effective date of this AD, accomplish a one-time inspection to identify correct polarity of each pair of electrical connectors of each engine fire extinguisher cartridge, in accordance with the instructions of Airbus Military All Operator Letter (AOL) 235-020. (2) If, during the inspection as required by paragraph (1) of this AD, erroneous wiring polarity installation is detected, before next flight, report to Airbus Military for approved instructions and accomplish those instructions accordingly.
<p>Ref. Publications:</p>	<p>Airbus Military AOL 235-020 dated 9 March 2012.</p> <p>The use of later approved revisions of this document is acceptable for compliance with the requirements of this AD.</p>
<p>Remarks :</p>	<ol style="list-style-type: none"> 1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD. 2. The safety assessment has requested not to implement the full consultation process and an immediate publication and notification. 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: EADS CASA (Airbus Military) Services / Engineering Support e-mail: MTA.TechnicalService@military.airbus.com. Fax: +34 91 585 3127