


EASA	AIRWORTHINESS DIRECTIVE
	<p>AD No.: 2008-0136</p> <p>Date: 22 July 2008</p> <p>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.</p>
<p>This AD is issued in accordance with EC 1702/2003, Part 21A.3B. In accordance with EC 2042/2002 Annex I, Part M.A.301, the continuing airworthiness of an aircraft shall be ensured by accomplishing any applicable ADs. Consequently, no person shall 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].</p>	
Type Approval Holder's Name :	Type/Model Designation:
Diamond Aircraft Industries GmbH	DA 42 series aircraft
TCDS Numbers : EASA A.005, A.513	
Foreign AD :	Not applicable
Supersedure:	None
ATA -	Airplane Flight Manual Lightning Strike Procedures – Amendment
Manufacturer(s):	Diamond Aircraft Industries GmbH (DAI)
Applicability:	DA 42 and DA 42 M aircraft, all serial numbers.
Reason:	<p>Diamond DA 42 and DA 42 M aircraft are prohibited from intentional flights into known thunderstorms. The Airplane Flight Manual (AFM) Section 2.13 already specifies that "Flights into known thunderstorms are prohibited". Nevertheless, some aircraft recently experienced lightning strikes of unusual high levels over the design requirement with various resulting damage. The analyses of these incidents have identified structural damages that may not be visible to the pilot.</p> <p>This condition, if not corrected, may lead to loss of control, or additional damage, even if the aircraft is subsequently operated within the allowed flight envelope.</p> <p>To address this risk, DAI has developed additional AFM procedures to be applied in case of lightning strike, including an airspeed limitation and certain procedures to avoid additional loads to the structure.</p> <p>For the reasons described above, this EASA AD requires the amendment of the applicable AFM to incorporate the new lightning strike procedure.</p>
Effective Date:	05 August 2008
Required Action(s) and Compliance Time(s):	<p>Required as indicated, unless accomplished previously:</p> <p>Within 30 days after the effective date of this AD, amend the applicable AFM to incorporate the new lightning strike procedure in accordance with the instructions contained in DAI Temporary Revision TR-MÄM-42-270.</p>

	Note: After any lightning strike, the aircraft should be inspected in accordance with the DA 42 Aircraft Maintenance Manual, Chapter 05-50, paragraph 5.D.
Ref. Publications:	Diamond Aircraft Industries GmbH Temporary Revision TR-MÄM-42-270 dated 31 May 2008. Diamond Aircraft Industries GmbH DA 42 Aircraft Maintenance Manual, Chapter 05-50, paragraph 5.D post-lightning strike inspection.
Remarks :	<ol style="list-style-type: none"> 1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD. 2. This AD was posted on 17 June 2008 as PAD 08-069 for consultation until 16 July 2008. 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 of this AD, please contact: Diamond Aircraft Industries GmbH, Austria. Telephone +43 2622 26700, Facsimile +43 2622 26700, E-mail office@diamond-air.at

REVISÉ