


EASA	EMERGENCY AIRWORTHINESS DIRECTIVE	
	AD No.: 2009-0163-E Date: 29 July 2009 Note: This Emergency 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 : DG Flugzeugbau GmbH		Type/Model designation(s) : DG-100 series sailplanes
TCDS Number : LBA No. 301/SP		
Foreign AD : Not applicable		
Supersedure : None		
ATA 27	Flight Controls - Elevator Control Bearing Stand – Inspection / Modification	
Manufacturer(s):	DG Flugzeugbau GmbH	
Applicability:	Model DG-100 and DG-100G sailplanes, with serial number (s/n) 5, and from s/n 21 to 103 inclusive.	
Reason:	<p>The Elevator control bearing stand RU19 was required to be inspected for correct production in 1978 in accordance with Technical Note (TN) No.301/6. In 2009, an accident occurred with a DG-100. The suspension bolt was found torn out of the bearing stand making the elevator uncontrollable.</p> <p>The investigation confirmed that the bearing stand had not been produced correctly. It is therefore assumed that the inspections per TN 301/6 did not produce reliable results.</p> <p>As a consequence, this new Airworthiness Directive (AD) mandates replacement of the bearing stand with a reinforced version.</p>	
Effective Date:	31 July 2009	
Required Action(s) and Compliance Time(s):	Required as indicated, unless accomplished previously: (1) Before further flight after the effective date of this AD, inspect the bearing stand RU19 in accordance with paragraph 1. of the instructions of DG-Flugzeugbau TN No.301/26 initial issue.	

	<p>(1.1) If any discrepancy is found (crack, delamination), before further flight replace the bearing stand as instructed in paragraph 3. of DG-Flugzeugbau TN No.301/26 initial issue.</p> <p>(1.2) If no discrepancy is found, and unless the bearing stand RU19 has been replaced before the effective of this AD in accordance with DG-Flugzeugbau TN 301/6 initial issue, within 5 months after the effective date of this AD replace the bearing stand as instructed in paragraph 3. of DG-Flugzeugbau TN No.301/26 initial issue.</p> <p>Note: DG-Flugzeugbau working instruction for TN 301/26 and DG-Flugzeugbau drawing St9a supplement the Technical Note No.301/26.</p> <p><u>LIMITED PILOT-OWNER MAINTENANCE</u></p> <p>When/Where Part-M applies the inspection requirements of paragraph (1) of this AD, can be done under the scope of the limited pilot-owner maintenance authorisation.</p>
Ref. Publications:	<p>DG-Flugzeugbau Technical Note No.301/26 initial issue, dated 16 July 2009; DG-Flugzeugbau Working instruction for TN 301/26 dated 17 July 2009; DG-Flugzeugbau Drawing St9a dated 10 April 1978;</p> <p>The use of later approved revisions of these documents is acceptable for compliance with the requirements of this AD.</p> <p>DG-Flugzeugbau Technical Note No.301/6 initial issue, dated 29 May 1978.</p>
Remarks :	<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 Airworthiness Directives, Safety Management & Research Section, Certification Directorate, EASA. E-mail: ADs@easa.europa.eu. 4. For any questions concerning the technical content of the requirements in this AD, please contact: <p style="text-align: center;"> DG-Flugzeugbau GmbH Otto Lilienthal Weg 2 / Am Flugplatz 76646 Bruchsal GERMANY Tel.: +49 (0) 7251 3020-0 Fax: +49 (0) 7251 3020-200 </p>