


EASA	AIRWORTHINESS DIRECTIVE
	<p>AD No.: 2009-0107</p> <p>Date: 08 May 2009</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>
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].	
Type Approval Holder's Name : Grob Aircraft AG	Type/Model designation(s) : G 120 series aeroplanes
TCDS Number : EASA A.075	
Foreign AD : Not applicable	
Supersedure : None	
ATA 24	Electrical Power System - Electrical Cables - Inspection / Replacement / Modification
Manufacturer(s):	Grob Aircraft AG (formerly Grob Aerospace GmbH)
Applicability:	Model G 120A aeroplanes with serial numbers (s/n) from 85001 to 85007 inclusive and from s/n 85026 to 85034 inclusive; and Model G 120A-I aeroplanes from s/n 85008 to 85025 inclusive.
Reason:	<p>The manufacturer has advised of receiving a report from a G 120A operator of an electrical fire caused by a chafed/scorched cable loom. It has been found that the RH main power distribution cable chafed on the instrument panel combing. It is likely that vibrations made the wiring to chafe. The chafing caused eventually electrical arcing and subsequently an in-flight fire that damaged partially the instrument panel cover.</p> <p>For the reasons stated above, this new AD mandates inspection of all cable looms in the front of the instrument panel cover, repair as necessary and installation of a protective cover on the edge of the instrument panel combing.</p>
Effective Date:	22 May 2009

<p>Required Action(s) and Compliance Time(s):</p>	<p>Required as indicated, unless accomplished previously:</p> <ol style="list-style-type: none"> (1) Before further flight after the effective date of this AD, inspect the electrical cables for chafing and scorching marks in accordance with the accomplishment instructions of Grob Aircraft AG Service Bulletin (SB) No. MSB1121-108 revision 1. (2) If any chafe, burn or scorch mark is found, before further flight, replace the damaged cable(s) in accordance with the FAA Advisory Circular 43.13-1B Change 1 and install a protective cover on the attachment edge of the instrument panel combing in accordance with the accomplishment instructions of SB No. MSB1121-108 revision 1. (3) If NO chafe, burn or scorch mark is found, within 100 Flight Hours (FH) or at the next 100-hour-inspection, whichever occurs first after the effective date of this AD, install a protective cover on the attachment edge of the instrument panel combing in accordance with the accomplishment instructions of SB No. MSB1121-108 revision 1. (4) Inspection/replacement of the electrical cables and installation of a protective cover, done before the effective date of this AD, in accordance with the initial issue of SB No. MSB1121-108, satisfy the requirements of paragraphs (1), (2) and (3) of this AD. (5) Thereafter, at intervals not to exceed 200 FH, repeat the inspection of the electrical cables for chafing and scorching marks in accordance with the accomplishment instructions of Grob Aircraft AG Service Bulletin (SB) No. MSB1121-108 revision 1.
<p>Ref. Publications:</p>	<p>GROB Service Bulletin No. MSB1121-108 initial issue, dated 18 March 2009;</p> <p>GROB Service Bulletin No. MSB1121-108 revision 1, dated 27 April 2009.</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. This AD was posted on 17 April 2009 as PAD 09-057 for consultation until 03 May 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 content of the requirements in this AD, please contact: GROB Aircraft AG / Customer Service 86874 Tussenhausen-Mattsies, GERMANY Telephone: + 49 (0) 8268-998-105; Facsimile: + 49 (0) 8268-998-200 E-mail: productsupport@grob-aircraft.com