

EASA	AIRWORTHINESS DIRECTIVE
	AD No.: 2011-0214 Date: 03 November 2011 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 : Eurocopter Deutschland GmbH	Type/Model designation(s) : MBB-BK117 helicopters
TCDS Number : EASA.R.010	
Foreign AD: Not applicable	
Supersedure: None	
ATA 24	Electrical Power – Generator Control Unit – Identification / Replacement
Manufacturer(s):	Eurocopter Deutschland GmbH (ECD), Eurocopter Hubschrauber GmbH, Messerschmitt-Bölkow-Blohm GmbH.
Applicability:	MBB-BK117 A-1, MBB-BK117 A-3, MBB-BK117 A-4, MBB-BK117 B-1, MBB-BK117 B-2 and MBB-BK117 C-1 helicopters, all serial numbers.
Reason:	The Generator Control Unit (GCU) with Part Number (P/N) 51530-021EI, which is only approved for installation on MBB-BK117 C-2 helicopters, has been the subject of a recent investigation. The results determined that a manufacturing discrepancy could lead to an internal short circuit. EASA issued AD 2011-0149, applicable to MBB-BK117 C-02 helicopters, to address and correct this unsafe condition, requiring the removal from service of all affected units. However, due to an incorrect entry in the Illustrated Parts Catalogue (IPC) of the MBB-BK117 helicopter, the possibility exists that P/N 51530-021EI GCUs, destined for installation on MBB-BK117 C-2 helicopters, were delivered by mistake to operators of other MBB-BK117 helicopter models and may consequently have become installed. This condition, if not corrected, could result in loss of electrical generating power, possibly resulting in loss of relevant systems that are necessary for a safe continuation of the flight. For the reasons described above, this AD requires the replacement of all P/N 51530-021EI GCUs that, inadvertently, may have been installed on a helicopter model for which such installation is not authorised. The relevant MBB-BK117 IPC will be amended accordingly.
Effective Date:	17 November 2011

Required Action(s) and Compliance Time(s):	Required as indicated, unless accomplish previously: (1) Within 300 flight hours or 6 months, whichever occurs first after the effective date of this AD, accomplish the following actions: (1.1) Determine whether a replacement GCU has been installed on the helicopter after 28 February 2011 and if that is the case, identify the P/N of the GCU installed on the helicopter. A review of helicopter maintenance records is acceptable to make the determination as specified in this paragraph, provided those records can be relied upon for that purpose, and the P/N of the GCU can be conclusively identified from that review. (1.2) If a P/N 51530-021EI GCU is installed, replace the GCU with a P/N 51530-001EI GCU, in accordance with the instructions of ECD Alert Service Bulletin (ASB) MBB-BK117-90-122. (2) From the effective date of this AD, do not install a P/N 51530-021EI GCU on any of the affected helicopters.
Ref. Publications:	ECD ASB MBB-BK117-90-122 dated 10 October 2011. The use of later approved revisions of this document is acceptable for compliance with the requirements of this AD.
Remarks :	1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD. 2. This AD was posted on 11 October 2011 as PAD 11-108 for consultation until 25 October 2011. No comments were received during the consultation period. 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: Eurocopter Deutschland GmbH, Industriestrasse 4, 86607 Donauwörth, Federal Republic of Germany Telephone: + 49 (0)151-1422 8976; Facsimile: + 49 (0)906-71 4111.