

EASA	AIRWORTHINESS DIRECTIVE
	AD No.: 2015-0045 [Correction: 02 April 2015] Date: 13 March 2015 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 EU 748/2012, Part 21.A.3B. In accordance with EU 1321/2014 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 [EU 1321/2014 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [EC 216/2008, Article 14(4) exemption].	
Design Approval Holder's Name: AIRBUS HELICOPTERS DEUTSCHLAND GmbH	Type/Model designation(s): MBB-BK 117 helicopters
TCDS Number: EASA.R.010	
Foreign AD: Not applicable	
Supersedure: None	
ATA 62	Main Rotor – Main Rotor Blade Vibration Absorber – Modification
Manufacturer(s):	Airbus Helicopters Deutschland GmbH (AHD) (formerly Eurocopter Deutschland GmbH), Airbus Helicopters Inc. (formerly American Eurocopter LLC).
Applicability:	MBB-BK 117 C-2 and MBB-BK 117 D-2 helicopters, all serial numbers.
Reason:	Heavy vibrations of the main rotor of an MBB-BK 117 C-2 helicopter were experienced in service. During subsequent disassembly of the vibration absorber, a bearing damage was detected. This condition, if not corrected, could lead to the loss of balls from the ball bearing while the main rotor is turning, possibly resulting in damage to the helicopter and/or injury to persons on the ground. To address this unsafe condition, AHD issued Alert Service Bulletins (ASB) to provide instructions for replacement of vibration absorber spacers. For the reason described above, this AD requires modification of the main rotor blade vibration absorber by replacing spacers with flanged spacers. This AD is re-published to add a certain Part Number (P/N) main rotor blade, which, although mentioned in the applicable AHD ASB (for MBB-BK 117 D-2 model helicopters), was inadvertently not included in the AD.
Effective Date:	27 March 2015

Required Action(s) and Compliance Time(s):	Required as indicated, unless accomplished previously: (1) For helicopters equipped with main rotor blade P/N B621M1002101, or P/N B621M1002102, or P/N B621M1002103, or P/N D621M1002101, within 12 months after the effective date of this AD, modify each main rotor blade vibration absorber P/N B621M3001101 by replacing spacers with flanged spacers P/N B621M3007201 and re-identify the vibration absorber and the main rotor blade to the corresponding new P/N in accordance with the instructions of AHD ASB MBB-BK117 C-2-62A-009, or AHD ASB MBB-BK117 D-2-62A-001, as applicable to helicopter model. (2) After modification of a helicopter as required by paragraph (1) of this AD, do not install a main rotor blade P/N B621M1002101, P/N B621M1002102, or P/N B621M1002103, or P/N D621M1002101, or a vibration absorber P/N B621M3001101, or a spacer P/N 117-801841.11 on that helicopter.
Ref. Publications:	AHD ASB MBB-BK117 C-2-62A-009 original issue dated 20 January 2015. AHD ASB MBB-BK117 D-2-62A-001 original issue dated 20 January 2015. The use of later approved revisions of these documents 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 12 February 2015 as PAD 15-013 for consultation until 12 March 2015. No comments were received during the consultation period. 3. Enquiries regarding this AD should be referred to the Safety Information 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: Airbus Helicopters Deutschland GmbH, Industriestrasse 4, 86607 Donauwörth, Federal Republic of Germany Telephone: + 49 (0)151 1422 8976; Facsimile: + 49 (0)906 71 4111.