



Notification of a proposal to issue an Airworthiness Directive

PAD No.: 17-007

Issued: 16 January 2017

Note: This Proposed Airworthiness Directive (PAD) is issued by EASA, acting in accordance with Regulation (EC) 216/2008 on behalf of the European Union, its Member States and of the European third countries that participate in the activities of EASA under Article 66 of that Regulation.

In accordance with the EASA Continuing Airworthiness Procedures, the Executive Director is proposing the issuance of an EASA Airworthiness Directive (AD), applicable to the aeronautical product(s) identified below.

All interested persons may send their comments, referencing the PAD Number above, to the e-mail address specified in the 'Remarks' section, prior to the consultation date indicated.

Design Approval Holder's Name:

AIRBUS HELICOPTERS DEUTSCHLAND GmbH

Type/Model designation(s):

MBB-BK117 helicopters

Effective Date: [TBD - standard: 14 days after AD issue date]

TCDS Number(s): EASA.R.010

Foreign AD: Not applicable

Supersedure: None

ATA 24 – Electrical Power – Overhead Panel Shock Mounts – Replacement

Manufacturer(s):

Airbus Helicopters Deutschland GmbH (formerly Eurocopter Deutschland GmbH), Airbus Helicopters Inc. (formerly American Eurocopter LLC)

Applicability:

MBB-BK 117 C-2, MBB-BK117 C-2e, MBB-BK 117 D-2 and MBB-BK117 D-2m helicopters, all serial numbers (s/n).

Reason:

Recent stress calculation identified that the shock mount assemblies of the overhead panel (hereafter referred to as the "shock mounts" in this AD) may not withstand the certification crash loads.

This condition, if not corrected, could lead to disconnection of the overhead panel during an emergency landing and subsequent injury of occupants.

To address this potential unsafe condition, Airbus Helicopters (AH) issued Alert Service Bulletin (ASB) MBB-BK117 C-2-24A-015 and ASB MBB-BK117 D-2-24A-004, as applicable to helicopter model (hereafter collectively referred to as "the applicable ASB" in this AD), providing modification instructions.



For the reason described above, this AD requires modification and re-identification of the shock mounts.

Required Action(s) and Compliance Time(s):

Required as indicated, unless accomplished previously:

Note 1: For the purpose of this AD, the affected shock mounts are those having Part Number (P/N) B246M2035102 or P/N B246M2036101.

Note 2: For the purpose of this AD, Group 1 are helicopters that, on the effective date of this AD, have affected shock mounts (see Note 1 of this AD) installed. Group 2 are helicopters that, on the effective date of this AD, do not have any affected shock mount installed.

- (1) For Group 1 helicopters: Within 1 year after the effective date of this AD, modify and re-identify each affected shock mount in accordance with the instructions of section 3.B of the applicable ASB.
- (2) Modification of a helicopter by replacing each shock mount P/N B246M2035102 with a shock mount P/N B246M2035966, and each shock mount P/N B246M2036101 with a shock mount P/N B246M2036966, is an acceptable method to comply with the requirement of paragraph (1) of this AD for that helicopter.
- (3) Model MBB-BK117 C-2 and C-2e helicopters, having s/n up to 9500 or s/n 9781 and up, and Model MBB-BK117 D-2 and D-2m helicopters, having s/n 20002, or 20007, or 20016, or 20019, or 20031, or 20037, or 20038, or 20041, or 20042, or 20043, or 20045 and up, are not affected by the requirements of paragraph (1) of this AD, provided it is determined that no shock mount has been replaced since first flight (see Note 3 of this AD).

Note 3: AH SB MBB BK117 C-2-24-009, Revision 1, provides instructions to install affected shock mounts (see Note 1 of this AD) on MBB-BK117 C-2 helicopters, having s/n up to 9500.

- (4) Do not install on any helicopter an affected shock mount (see Note 1 of this AD), as required by paragraph (4.1) or (4.2) of this AD, as applicable.
 - (4.1) For Group 1 helicopters: After modification of that helicopter as required by paragraph (1) of this AD, or as specified in paragraph (2) of this AD, as applicable.
 - (4.2) For Group 2 helicopters: From the effective date of this AD.
- (5) Installation on a helicopter of shock mounts, having a P/N approved after the effective date of this AD, is equal to compliance with the requirements of paragraphs (1) of this AD for that helicopter, provided the conditions as specified in paragraphs (5.1) and (5.2) of this AD are met.
 - (5.1) The P/N must be approved by EASA, or approved under AH Design Organisation Approval (DOA).



(5.2) The installation must be accomplished in accordance with helicopter modification instructions approved by EASA, or approved under AH DOA.

Ref. Publications:

AH ASB MBB-BK117 C-2-24A-015 original issue, dated 14 September 2016.

AH ASB MBB-BK117 D-2-24A-004 original issue, dated 14 September 2016.

The use of later approved revisions of these documents is acceptable for compliance with the requirements of this AD.

Remarks:

1. This Proposed AD will be closed for consultation on 13 February 2017.
2. Enquiries regarding this PAD should be referred to the EASA Safety Information Section, Certification Directorate. E-mail: ADs@easa.europa.eu.
3. For any question concerning the technical content of the requirements in this PAD, 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.

