



Notification of a proposal to issue an Airworthiness Directive

PAD No.: 15-141

Issued: 20 November 2015

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-BK 117 helicopters

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

TCDS Number(s): EASA.R.010

Foreign AD: Not applicable

Supersedure: None

ATA 21 – Air Conditioning – Air Inlet Cover Ring – Inspection / Modification

Manufacturer(s):

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

Applicability:

MBB-BK117 C-2, MBB-BK117 C-2e, MBB-BK117 D-2 and MBB-BK117 D-2m helicopters, all serial numbers (S/N).

Reason:

An occurrence was reported of a MBB-BK117 C-2 helicopter, where an air inlet cover ring detached and got stuck between the air inlet and the cyclic stick, restricting the movement range of the stick itself. A second loosened cover ring was found on another helicopter during an inspection.

This condition, if not corrected, could affect the range of movement of cyclic stick, possibly resulting in degraded control of the helicopter.

To address this potential unsafe condition, AHD issued Alert Service Bulletin (ASB) MBB-BK117 C-2-21A-011 and ASB MBB-BK117 D-2-21A-004, as applicable to helicopter model (hereafter referred to as "the applicable ASB"), to provide inspection and modification instructions.



For the reasons described above, this AD requires inspections of the air conditioning air inlet cover ring, and modification of its installation.

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

Required as indicated, unless accomplished previously:

- (1) For C-2 and C-2e helicopters, S/N from 9004 up to 9725 inclusive: Within 100 flight hours (FH) after the effective date of this AD, inspect the left and right air inlet Part Number (P/N) B212M20C1005 in accordance with the instructions of section 3.B of the applicable ASB.
- (2) If, during an inspection as required by paragraph (1) of this AD, a loosened cover ring is found, before next flight after that inspection, accomplish applicable corrective actions in accordance with the instructions of section 3.B of the applicable ASB.
- (3) For C-2 and C-2e helicopters, S/N from 9004 up to 9725 inclusive, and for D-2 and D-2m helicopters, S/N from 20003 up to 20045 inclusive: Within 400 FH or within 9 months, whichever occurs first after the effective date of this AD, inspect and concurrently modify the installation of each air inlet cover ring, unless already reworked as required by paragraph (2) of this AD, in accordance with the instructions of section 3.B of the applicable ASB.
- (4) For all helicopters: Do not install an air inlet P/N B212M20C1005, as required by paragraph (4.1) or (4.2) of this AD, as applicable, unless the air inlet has been reworked and marked in accordance with the instructions of section 3.B of the applicable ASB.
 - (4.1) For a helicopter that, on the effective date of this AD, has an air inlet P/N B212M20C1005 installed: After modification of the helicopter as required by paragraph (2) or (3) of this AD.
 - (4.2) For a helicopter that, on the effective date of this AD, does not have an air inlet P/N B212M20C1005 installed: From the effective date of this AD.

Ref. Publications:

AHD ASB MBB-BK117 C-2-21A-011 original issue dated 16 November 2015.

AHD ASB MBB-BK117 D-2-21A-004 original issue dated 16 November 2015.

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 18 December 2015.
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.

