



Airworthiness Directive

AD No.: 2016-0001

Issued: 04 January 2016

Note: This Airworthiness Directive (AD) 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.

This AD is issued in accordance with Regulation (EU) 748/2012, Part 21.A.3B. In accordance with Regulation (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 [Regulation (EU) 1321/2014 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [Regulation (EC) 216/2008, Article 14(4) exemption].

Design Approval Holder's Name:

AIRBUS HELICOPTERS DEUTSCHLAND GmbH

Type/Model designation(s):

MBB-BK 117 helicopters

Effective Date: 18 January 2016

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. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD.
2. This AD was posted on 20 November 2015 as PAD 15-141 for consultation until 18 December 2015. No comments were received during the consultation period.



3. Enquiries regarding this AD should be referred to the EASA Safety Information Section, Certification Directorate. 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
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