



Airworthiness Directive

AD No.: 2015-0163R1

Issued: 27 April 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: Revision 1: 27 April 2016
Original issue: 20 August 2015

TCDS Number(s): EASA.R.010

Foreign AD: Not applicable

Revision: This AD revises EASA AD 2015-0163, dated 06 August 2015.

ATA 52 – Doors – Jettison System Adhesive Seal – Removal

Manufacturer(s):

Airbus Helicopters Deutschland GmbH (AHD) (formerly Eurocopter Deutschland GmbH, Eurocopter Hubschrauber GmbH, Messerschmitt-Bölkow-Blohm GmbH).

Applicability:

MBB-BK 117 A-3, MBB-BK 117 A-4, MBB-BK 117 B-1, MBB-BK 117 B-2 and MBB-BK 117 C-1 helicopters, all serial numbers.

Reason:

Following application of Alert Service Bulletin (ASB) MBB BK117-20A-114, original issue, difficulties were reported to activate the jettisoning sliding doors. This malfunction was caused by the adhesive seal, installed in accordance with the ASB, that hampered the free movement of the inner handle. Subsequent investigation showed that the delivered adhesive seal has mechanical and physical properties that do not meet the relevant certification requirements.

This condition, if not detected and corrected, could lead to a malfunction of the sliding door jettisoning mechanism, reducing or preventing the ability to evacuate the helicopter in the event of an emergency, possibly resulting in injury to occupants.



To address this potential unsafe condition, AHD revised ASB MBB BK117-20A-114 to amend the instructions and to remove the affected adhesive seals from service.

Consequently, EASA issued AD 2015-0163, requiring the removal of adhesive seals Part Number (P/N) 117-800201.01 from the interior and exterior door jettisoning system of the sliding doors, and prohibiting any new installation of the adhesive seal.

Since that AD was issued, a new adhesive seal P/N has been certified by AHD, and ASB MBB-BK117-20A-114 has been revised accordingly, now at Revision (Rev.) 2, to provide instructions to install the new seals with correct mechanical properties.

For the reasons described above, this AD is revised, to include reference to the installation of the new adhesive seals.

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

Required as indicated, unless accomplished previously:

- (1) Within 30 days after 20 August 2015 [the effective date of the original issue of this AD], inspect the exterior and interior door jettisoning system of the left (LH) and right (RH) sliding door to determine if adhesive seals P/N 117-800201.01 are installed.
- (2) If, during the inspection as required by paragraph (1) of this AD, any adhesive seal P/N 117-800201.01 is found installed, before next flight, remove it in accordance with the instructions of AHD ASB MBB-BK117-20A-114 Rev.1.
- (3) From 20 August 2015 [the effective date of the original issue of this AD], do not install on any sliding door jettisoning system an adhesive seal P/N 117-800201.01.

Note 1: After removal of the seals as required by paragraph (2) of this AD, the applicable Rotorcraft Flight Manual (RFM) can be amended in accordance with the instructions of AHD ASB MBB-BK117-20A-114 Rev.1.

Note 2: Installation on a helicopter of adhesive seal P/N 117-800201.02 and amendment of the RFM, if applicable, in accordance with the instructions of AHD ASB MBB-BK117-20A-114 Revision 2, is an acceptable method of compliance with the requirements of paragraphs (1) and (2) of this AD for that helicopter.

Ref. Publications:

AHD ASB MBB-BK117-20A-114 Revision 1 dated 30 July 2015, or Revision 2 dated 30 March 2016.

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. Based on the required actions and the compliance time, EASA have decided to issue a Final AD with Request for Comments, postponing the public consultation process until after publication.
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 PAD, please contact: Airbus Helicopters Deutschland GmbH, Industriestrasse 4, 86607 Donauwörth, Federal Republic of Germany
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