



Airworthiness Directive

AD No.: 2021-0074

Issued: 15 March 2021

Note: This Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EU) 2018/1139 on behalf of the European Union, its Member States and of the European third countries that participate in the activities of EASA under Article 129 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 (EU) 2018/1139, Article 71 exemption].

Design Approval Holder's Name:

AIRBUS HELICOPTERS DEUTSCHLAND GmbH

Type/Model designation(s):

MBB-BK117 helicopters

Effective Date: 29 March 2021

TCDS Number(s): EASA.R.010

Foreign AD: Not applicable

Supersedure: None

ATA 67 – Rotors Flight Control – Collective Bellcrank – Inspection

Manufacturer(s):

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

Applicability:

MBB-BK117 C-2 helicopters, all serial numbers (s/n); and
MBB-BK117 D-2 helicopters, all s/n.

Definitions:

For the purpose of this AD, the following definitions apply:

The ASB: Airbus Helicopters (AH) Alert Service Bulletin (ASB) MBB-BK117 C-2-67A-030 or ASB MBB-BK117 D-2-67A-019, as applicable.

Affected part: Collective bellcrank-K, having Part Number (P/N) B670M7021101 or P/N B670M7021102 or P/N D671M7008101.

Groups: Group 1 are helicopters on which an affected part has been replaced or removed and reinstalled in service, including those on which it cannot be determined whether an affected part has ever been replaced or removed and reinstalled in service.



Groups 2 are helicopters for which it has been determined that the affected part has never been replaced or removed and reinstalled in service.

Reason:

An occurrence was reported that an affected part was found incorrectly installed on a helicopter. Subsequent investigations determined that the affected part was an in-service replacement, and that the position marking on that part was incorrect.

This condition, if not detected and corrected, may lead to unwanted collective input, possibly resulting in reduced control of the helicopter.

To address this potential unsafe condition, AH issued the ASB, providing inspection instructions.

For the reason described above, this AD requires a one-time inspection of the affected part and, depending on findings, accomplishment of applicable corrective action(s). This AD also requires updating of the instructions for (re)installation of an affected part on a helicopter.

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

Required as indicated, unless accomplished previously:

Inspection:

- (1) For Group 1 helicopters: Within 100 flight hours or 6 months, whichever occurs first after the effective date of this AD, inspect the affected part in accordance with the instructions of section 3.B.2 of the ASB.

Corrective Action(s):

- (2) If, during the inspection as required by paragraph (1) of this AD, the installation of the affected part is found to be incorrect, as defined in the ASB, before next flight, accomplish the applicable corrective action(s) in accordance with the instructions of section 3.B.3 of the ASB.
- (3) If, during the inspection as required by paragraph (1) of this AD, the installation of the affected part is found to be correct, as defined in the ASB, but an incorrect position marking is found on the affected part, during the next helicopter maintenance where the affected part is removed, concurrently with reinstallation of the affected part, accomplish the applicable corrective action(s) in accordance with the instructions of section 3.B.4 of the ASB.

Part(s) Installation:

- (4) For Group 1 and Group 2 helicopters: From the effective date of this AD, it is allowed to install on any helicopter an affected part, provided the installation and the subsequent post-installation tests are accomplished in accordance with the instructions of section 4.B of the ASB. Using the instructions of an Aircraft Maintenance Manual (AMM) task is acceptable to comply with the requirements of this paragraph for that helicopter, provided that AMM task includes the technical content of section 4.B of the ASB.

Ref. Publications:

AH ASB MBB-BK117 C-2-67A-030 original issue dated 15 March 2021.



AH ASB MBB-BK117 D-2-67A-019 original issue dated 15 March 2021.

The use of later approved revisions of the above-mentioned 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. 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. Information about any failures, malfunctions, defects or other occurrences, which may be similar to the unsafe condition addressed by this AD, and which may occur, or have occurred on a product, part or appliance not affected by this AD, can be reported to the [EU aviation safety reporting system](#). This may include reporting on the same or similar components, other than those covered by the design to which this AD applies, if the same unsafe condition can exist or may develop on an aircraft with those components installed. Such components may be installed under an FAA Parts Manufacturer Approval (PMA), Supplemental Type Certificate (STC) or other modification.
5. For any question concerning the technical content of the requirements in this AD, please contact: Airbus Helicopters Deutschland GmbH, Industriestrasse 4, 86609 Donauwörth, Federal Republic of Germany, Telephone: + 33 (0)4 42 85 97 97;
Web portal: <https://keycopter.airbushelicopters.com> > Technical Request Management
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