



Airworthiness Directive

AD No.: 2018-0046

Issued: 19 February 2018

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: 05 March 2018

TCDS Number(s): EASA.R.010

Foreign AD: Not applicable

Supersedure: None

ATA 65 – Tail Rotor Drive – Tail Gear Box – Inspection / Replacement

Manufacturer(s):

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

Applicability:

MBB-BK117 A-1, MBB-BK117 A-3, MBB-BK117 A-4, MBB-BK117 B-1, MBB-BK117 B-2, MBB-BK117 C-1 and MBB-BK117 C-2 helicopters, all serial numbers.

Definitions:

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

The ASB: Airbus Helicopters (AH) Alert Service Bulletin (ASB) MBB-BK117-30A-120 or AH ASB MBB-BK117 C-2-65A-008, as applicable.

TGB: Tail Gear Box having Part Number 4639003001, 4639003007, 4639003009, 4639003011 or 4639003013.

Reason:

A crack on the bellcrank attachment arm has been detected on the TGB of an MBB-BK117 A-4 helicopter.



This condition, if not detected and corrected, could lead to disconnection of the bellcrank attachment arm from the TGB, with possible loss of control of the helicopter, eventually resulting in damage to the helicopter and/or injury to occupants.

To address this potential unsafe condition, AH issued the ASBs providing instructions for inspection of the TGB bellcrank attachment arm.

For the reason described above, this AD requires inspection of the TGB bellcrank attachment arm and, depending on finding, TGB replacement or repair.

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

Required as indicated, unless accomplished previously:

Inspection:

- (1) Within 100 flight hours after the effective date of this AD, inspect the TGB bellcrank attachment arm in accordance with the instructions of the ASB.

Corrective Actions:

- (2) If, during the inspection as required by paragraph (1) of this AD, any crack or anomaly, as identified in the ASB, is (are) detected, before next flight, accomplish the corrective actions, as applicable, in accordance with the instructions of the ASB.

Parts Installation:

- (3) From the effective date of this AD, it is allowed to install a TGB on a helicopter provided it passed the inspection as required by paragraph (1) of this AD.

Ref. Publications:

AH ASB MBB-BK117-30A-120 original issue dated 31 January 2018.

AH ASB MBB-BK117 C-2-65A-008 original issue dated 31 January 2018.

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. 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: + 49 (0)151 1422 8976; Facsimile: + 49 (0)906 71 41

Web portal: <https://keycopter.airbushelicopters.com> > Technical Request Management

E-mail: customersupport.helicopters@airbus.com.

