



Airworthiness Directive

AD No.: 2018-0177

Issued: 21 August 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

Type/Model designation(s):

EC 175 B helicopters

Effective Date: 04 September 2018

TCDS Number(s): EASA.R.150

Foreign AD: Not applicable

Supersedure: None

ATA 63 – Rotor Drive – Main Gearbox Magnetic Plugs – Inspection

Manufacturer(s):

Airbus Helicopters (AH)

Applicability:

EC 175 B helicopters, all manufacturer serial numbers.

Definitions:

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

The ASB: AH Alert Service Bulletin (ASB) ASB EC175-05A021.

Reason:

Further to recent mandatory actions on different AH products, it has been decided to align Main Gearbox (MGB) maintenance instructions on the EC 175 B with precautionary measures reducing the MGB magnetic plugs inspection time interval and associated particle assessment criteria.

Failure to comply with these new inspection instructions and criteria could prevent timely detection of potentially unsafe MGB wear damage. To address this condition, AH issued the ASB to reduce the EC 175 B Airworthiness Limitation Section (ALS) task 04-30-00 inspection interval and provide new acceptance criteria applicable to particles collected by the MGB magnetic plugs.



For the reasons described above, this AD requires repetitive inspections of the magnetic plugs installed on the MGB and, depending on findings, accomplishment of applicable action(s).

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

Required as indicated, unless accomplished previously:

Inspection(s):

- (1) Within 10 flight hours (FH), or within 50 FH after the last ALS (task 04-30-00) inspection of the MGB magnetic plug, whichever occurs first after the effective date of this AD, and, thereafter, at intervals not to exceed 10 FH, inspect the MGB magnetic plugs in accordance with the instructions of the ASB.

Corrective Action(s):

- (2) If, during any inspection as required by paragraph (1) of this AD, particles are detected, accomplish the applicable corrective action(s) in accordance with the instructions of, and within the compliance time as identified in, the ASB.

Terminating Action:

- (3) None

Ref. Publications:

AH ASB EC175-05A021 original issue dated 25 July 2018.

ALS EC175 B Rev. 011 dated 17 May 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. This AD was posted on 27 July 2018 as PAD 18-109 for consultation until 17 August 2018. 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. 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](#).
5. For any question concerning the technical content of the requirements in this AD, please contact: Airbus Helicopters (Technical Support), Aéroport de Marseille Provence 13725 Marignane Cedex, France, Telephone +33 (0)4 42 85 97 97, Fax +33 (0)4 42 85 99 66, E-mail:



Web portal: <https://keycopter.airbushelicopters.com> > Technical Requests Management, or
E-mail: support.technical-airframe.ah@airbus.com.

