



Notification of a Proposal to issue an Airworthiness Directive

PAD No.: 18-109

Issued: 27 July 2018

Note: This Proposed Airworthiness Directive (PAD) 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.

In accordance with the EASA Continuing Airworthiness Procedures, the Executive Director is proposing the issuance of an EASA Airworthiness Directive (AD), applicable to the aeronautical product(s) identified below.

All interested persons may send their comments, referencing the PAD Number above, to the e-mail address specified in the 'Remarks' section, prior to the consultation date indicated.

Design Approval Holder's Name:

AIRBUS HELICOPTERS

Type/Model designation(s):

EC 175 B helicopters

Effective Date: [TBD - standard: 14 days after AD issue date]

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) AH ASB EC175-05A021

Reason:

Further to recent mandatory actions on different Airbus Helicopters (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. This Proposed AD will be closed for consultation on 17 August 2018.
2. Enquiries regarding this PAD should be referred to the EASA Safety Information Section, Certification Directorate. E-mail: ADs@easa.europa.eu.
3. Information about any failures, malfunctions, defects or other occurrences, which may be similar to the unsafe condition addressed by this PAD, and which may occur, or have occurred on a product, part or appliance not affected by this PAD, can be reported to the [EU aviation safety reporting system](#).
4. For any question concerning the technical content of the requirements in this PAD, 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.

