



Notification of a Proposal to issue an Airworthiness Directive

PAD No.: 20-067

Issued: 24 April 2020

Note: This Proposed Airworthiness Directive (PAD) 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.

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 25 – Equipment / Furnishings – Emergency Locator Transmitter – Inhibition / Replacement

Manufacturer(s):

Airbus Helicopters (AH)

Applicability:

EC 175 B helicopters, all serial numbers.

Definitions:

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

The inhibition ASB: AH Alert Service Bulletin (ASB) EC175-25A017.

The replacement ASB: AH ASB EC175-25A022 Revision 01.

Affected part: Water immersion sensors, having Part Number (P/N) 64762-001-1.

Serviceable part: Water immersion sensors, having P/N 130196E10001.



Groups: Group 1 helicopters are those in a configuration defined in the inhibition ASB as pre-MOD 99R01277-00-M-ECP/00 and post-MOD 99A00154-00-M-ECP.

Group 2 helicopters are those in a configuration defined in the replacement ASB as follows:

Configuration 1

For helicopters pre-MOD 99A04657, pre-MOD 99A04064 and:
pre-MOD 00A04352, pre-MOD 00A05141, pre-MOD 00A05142, pre-MOD 99A05143, pre-MOD 99A05429, pre-MOD 99A05430, pre-MOD 99A05733 and pre-MOD 99A05809, or

Configuration 2

For helicopters post-MOD 99A04657 and:
pre-MOD 00A04352, pre-MOD 00A05141, pre-MOD 00A05142, pre-MOD 99A05143, pre-MOD 99A05429, pre-MOD 99A05431, pre-MOD 99A05733 and pre-MOD 99A05809, or

Configuration 3

For helicopters pre-MOD 99A04657, post-MOD 99A04064 and:
pre-MOD 00A04352, pre-MOD 00A05141, pre-MOD 00A05142, pre-MOD 99A05143, pre-MOD 99A05429, pre-MOD 99A05430, pre-MOD 99A05733 and pre-MOD 99A05809.

Reason:

Following the uncommanded deployment of a crash position indicator (CPI) on an EC 175 B helicopter, the investigation results showed that this event was likely due to a malfunction of the affected part, as defined in this AD.

This condition, if not corrected, may lead to unexpected deployment of the CPI with consequent unavailability in case of forced water landing or ditching.

To address this potential unsafe condition, AH published the inhibition ASB, providing instructions to disconnect the affected parts. The water detection functionality is retained through the Beacon Release Unit (BRU) built-in water detector. Following the certification of a new water sensor installation, AH also published the replacement ASB, providing instructions to install the serviceable parts and to modify the electrical installation accordingly.

For the reason described above, this AD requires, on certain helicopters, the inhibition of the affected parts, and, for certain other helicopters, replacement of affected parts with serviceable parts.

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

Required as indicated, unless accomplished previously:

Inhibition:

- (1) For Group 1 helicopters: Within 110 flight hours (FH) after the effective date of this AD, modify the wiring in accordance with the instructions of Section 3.B of the inhibition ASB.



Modification / Replacement:

- (2) For Group 2 helicopters: Within 1800 FH or 24 months, whichever occurs first after the effective date of this AD, modify the wiring and replace the affected parts with serviceable parts in accordance with the instructions of Section 3 of the replacement ASB.

Parts Installation:

- (3) After modification of a helicopter as required by paragraph (2) of this AD, do not install an affected part on that helicopter.

Ref. Publications:

AH ASB EC175-25A017 original issue dated 13 March 2018, or Revision 1 dated 16 December 2019.

AH ASB EC175-25A022 Revision 1 dated 27 February 2020.

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 22 May 2020.
2. Enquiries regarding this PAD should be referred to the EASA Programming and Continued Airworthiness 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, Web portal: <https://keycopter.airbushelicopters.com> Technical Requests Management, or E-mail: support.powerplant.ah@airbus.com.

