



Notification of a Proposal to issue an Airworthiness Directive

PAD No.: 22-064

Issued: 25 May 2022

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 26 – Fire protection – Engine Fire Control Panel – Modification

Manufacturer(s):

Airbus Helicopters (AH), formerly Eurocopter, Eurocopter France

Applicability:

EC 175 B helicopters, all serial numbers, except those on which AH modification (mod) 99A06423 has been embodied in production.

Definitions:

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

The ASB: AH Alert Service Bulletin (ASB) EC175-88-00-0001.

Affected part: Harnesses and connectors as identified in section 4 (Procedure) of the ASB.

Reason:

Following a test campaign, it was determined that for EC 175 B helicopters equipped with Helionix V8 (Step 3.2) it is impossible to actuate the second fire extinguishing bottle for engine 2, when the first bottle had already been actuated. Further investigation revealed that for EC 175 B helicopters equipped with Helionix V6 (Step 3.0), the second fire extinguisher shot (second bottle) cannot be



actuated with a single press on the Engine Fire Control Panel , according to the applicable flight manual procedure.

This condition, if not corrected, could lead to incapacity to extinguish a fire in the engine bay, possibly resulting in loss of control of the helicopter.

To address this unsafe condition, AH designed a wiring modification (mod 99A06423) to restore the normal behaviour of the system. Consequently, AH issued the ASB, as defined in this AD, providing instructions to modify the affected parts accordingly.

For the reasons described above, this AD requires modification of the affected parts.

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

Required as indicated, unless accomplished previously:

Modification(s):

Within 440 flight hours or 6 months, whichever occurs first after the effective date of this AD, modify the affected parts in accordance with the instructions of the ASB.

Ref. Publications:

AH ASB EC175-88-00-0001 original issue dated 23 May 2022.

The use of later approved revisions of the above-mentioned document is acceptable for compliance with the requirements of this AD.

Remarks:

1. This Proposed AD will be closed for consultation on 22 June 2022.
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](#). This may include reporting on the same or similar components, other than those covered by the design to which this PAD 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.
4. For any question concerning the technical content of the requirements in this PAD , please contact: Airbus Helicopters (Technical Support) at:
Web portal: <https://airbusworld.helicopters.airbus.com> / Technical Requests Management, or
E-mail: TechnicalSupport.Helicopters@airbus.com, or Telephone +33 (0)4.42.85.97.89.

