



Airworthiness Directive

AD No.: 2023-0069

Issued: 30 March 2023

Note: This Airworthiness Directive (AD) 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.

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, or Annex Vb Part ML.A.301, as applicable, 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 Annex Vb Part ML.A.303, as applicable] or agreed with the Authority of the State of Registry [Regulation (EU) 2018/1139, Article 71 exemption].

Design Approval Holder's Name:

AIRBUS HELICOPTERS

Type/Model designation(s):

EC 175 B helicopters

Effective Date: 13 April 2023

TCDS Number(s): EASA.R.150

Foreign AD: Not applicable

Supersedure: None

ATA 26 – Fire Protection – Rear Engine Cowling Sight Glasses – Replacement

Manufacturer(s):

Airbus Helicopters (AH), formerly Eurocopter

Applicability:

EC 175 B helicopters, all serial numbers, except those on which AH modification (mod) 99A06348 has been embodied in production.

Definitions:

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

The ASB: AH Alert Service Bulletin (ASB) EC175-71-13-0001.

Affected parts: Engine sight glasses, having Part Number (P/N) M711G3201253 (right hand) and M711G3201602 (left hand) of the rear engine cowling, and the fasteners and seals as identified in section 9.6 of the ASB.

Reason:

Following a design review, it was determined that engine cowling sight glasses installed on EC175 helicopters are not fire-proof. Testing on a similar helicopter type revealed that, in case of an engine fire whereby one of the cowling sight glasses is destroyed, the airflow in the engine compartment will be significantly greater than expected. In such an event, the excessive airflow could prevent



extinguishing the engine fire, because the Halon concentration in the engine compartment would remain too low, even after two extinguishing shots.

This condition, if not corrected, could lead to an uncontained engine fire, possibly resulting in loss of the helicopter.

To address this unsafe condition, AH designed mod 99A06348, replacing the current engine cowling sight glasses with improved (fire-proof) glasses, and issued the ASB, as defined in this AD, providing replacement instructions accordingly.

For the reasons described above, this AD requires replacement of both rear engine cowling sight glasses and prohibits (re)installation of affected parts.

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

Required as indicated, unless accomplished previously:

Replacement:

- (1) Within 1 800 flight hours or 24 months, whichever occurs first after the effective date of this AD, replace the affected parts, as defined in this AD, on both sides of the rear engine cowling with redesigned (fire-proof) parts in accordance with the instructions of the ASB.

Parts Installation:

- (2) After replacement of the affected parts on a helicopter as required by paragraph (1) of this AD, do not install any affected parts on that helicopter.

Ref. Publications:

AH ASB EC175-71-13-0001 original issue dated 13 February 2023.

The use of later approved revisions of the above-mentioned document 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 February 2023 as PAD 23-027 for consultation until 27 March 2023. 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](#). This may include reporting on the same or similar components, other than those covered by the design to which this AD 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.

5. For any question concerning the technical content of the requirements in this AD, 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 4285 9789.

