



Airworthiness Directive

AD No.: 2019-0289

Issued: 29 November 2019

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, 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 (EU) 2018/1139, Article 71 exemption].

Design Approval Holder's Name:

AIRBUS HELICOPTERS

Type/Model designation(s):

EC 175 B helicopters

Effective Date: 13 December 2019

TCDS Number(s): EASA.R.150

Foreign AD: Not applicable

Supersedure: None

ATA 28 – Fuel – Air No Fuel Valves – Replacement

Manufacturer(s):

Airbus Helicopters (AH), formerly Eurocopter, Eurocopter France

Applicability:

EC 175 B helicopters, all serial numbers.

Definitions:

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

Affected part: Air no fuel valves, having Part Number (P/N) 510396-2 (AH P/N M281G60T4001).

Serviceable part: Air no fuel valves, having P/N 510396-3 (AH P/N M281G60T5001).

The ASB: AH EC175 Alert Service Bulletin (ASB) EC175-28A005.

Groups: Group 1 helicopters are those that have an affected part installed. Group 2 helicopters are those that do not have an affected part installed.

Reason:

A manufacturing non-conformity was discovered, affecting air no fuel valves P/N 510396-2. This may lead to fuel leakage from the valve.



This condition, if not corrected, could lead, in case of hard landing, to a post-impact fire, possibly resulting in damage to the helicopter and injury to occupants.

To address this potential unsafe condition, AH developed a more robust air no fuel valve and published the ASB, providing instructions to replace the affected parts.

For the reason described above, this AD requires removal from service of each affected part. This AD also prohibits (re)installation of an affected part on any helicopter.

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

Required as indicated, unless accomplished previously:

Replacement:

- (1) For Group 1 helicopters: Within 880 flight hours or 24 months, whichever occurs first after the effective date of this AD, replace each affected part with a serviceable part, as defined in this AD.

Part(s) Installation:

- (2) For Group 1 and Group 2 helicopters: From the effective date of this AD, do not install on any helicopter an affected part, as defined in this AD.

Ref. Publications:

AH EC175 ASB EC175-28A005 original issue dated 07 October 2019.

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 28 October 2019 as PAD 19-193 for consultation until 25 November 2019. No comments were received during the consultation period.
3. Enquiries regarding this AD should be referred to the EASA Programming and Continued Airworthiness 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, Web portal: <https://keycopter.airbushelicopters.com> Technical Requests Management, or E-mail: support.powerplant.ah@airbus.com.

