



Notification of a Proposal to issue an Airworthiness Directive

PAD No.: 22-147

Issued: 28 October 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):

SA 365, AS 365 and EC 155 helicopters

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

TCDS Number(s): EASA.R.105

Foreign AD: Not applicable

Supersedure: None

ATA 71 – Power Plant – Central Firewall Stiffener – Replacement

Manufacturer(s):

Airbus Helicopters (AH), formerly Eurocopter, Eurocopter France, Aérospatiale

Applicability:

SA 365 N, SA 365 N1, AS 365 N2, AS 365 N3, EC 155 B and EC 155 B1 helicopters, all serial numbers.

Definitions:

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

The ASB: AH Alert Service Bulletin (ASB) AS365-71.00.28 or ASB EC155-71A015, as applicable.

Affected part: Aluminium central firewall stiffener, having Part Number (P/N) 365A58-1102-NE or P/N 365A58-1475-20.

Serviceable part: Titanium central firewall stiffener, having P/N 365A58-1475-2151 or P/N 365A58-1475-2251.



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. A helicopter having AH modification 0771C59 embodied in production is Group 2, provided that no affected part has been installed on that helicopter in service.

Reason:

During the investigation related to an engine compartment fire, the upper stiffener of the central firewall in the engine compartment was found damaged. It was determined that the stiffener, made of aluminium, may not withstand the high temperatures in case of a fire, and consequently may not ensure the proper sealing of the engine compartment.

This condition, if not corrected, could lead, in case of an engine fire, to fire propagation from one engine compartment to the other, possibly resulting in loss of control of the helicopter.

To address this potential unsafe condition, AH issued the ASB, as defined in this AD, to provide instructions for replacement of the aluminium central firewall stiffener with a stiffener made of titanium.

For the reason described above, this AD requires replacement of the affected part with a serviceable part, as defined in this AD.

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

Required as indicated, unless accomplished previously:

Replacement:

(1) For Group 1 helicopters: Within 600 flight hours or 24 months, whichever occurs first after the effective date of this AD, replace the affected part with a serviceable part in accordance with the instructions of paragraph 3.B of the ASB.

Part(s) Installation:

(2) Do not install an affected part on any helicopter, as required by paragraph (2.1) or (2.2) of this AD, as applicable.

(2.1) For Group 1 helicopters: After replacement of the affected part as required by paragraph (1) of this AD.

(2.2) For Group 2 helicopters: From the effective date of this AD.

Ref. Publications:

AH ASB AS365-71.00.28 original issue dated 25 October 2022.

AH ASB EC155-71A015 original issue dated 25 October 2022.

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 25 November 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)
Web portal: <https://keycopter.airbushelicopters.com> > Technical Requests Management, or
E-mail: TechnicalSupport.Helicopters@airbus.com.

