

Airworthiness Directive

AD No.: 2024-0232**Issued:** 05 December 2024

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 130 B4 helicopters

Effective Date: 19 December 2024**TCDS Number(s):** EASA.R.008**Foreign AD:** Not applicable**Supersedure:** None

ATA 52 – Doors – Door Star Support – Modification

Manufacturer(s):

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

Applicability:

EC 130 B4 helicopters, all serial numbers.

Definitions:

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

Affected part: Composite doors, having Part Number (P/N) 350A25043100 (sliding door), P/N 350A25002400 (right-hand swing door) or P/N 350A25042600 (left-hand swing door).

The applicable ASB: AH Alert Service Bulletin (ASB) ASB EC130-52A019 Revision 01.

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 case was reported where, after landing, the passengers of an AH EC 120 helicopter could not open the sliding door from inside. The passengers had to leave the helicopter through the other door. The results of the subsequent investigation revealed a sliding door star axle support failure.

This condition, if not corrected, could delay the evacuation from the helicopter in case of emergency, possibly resulting in injury to the occupants.

To address this potential unsafe condition, EC published ASB EC120-52A014, later revised, and ASB EC130-52A009 to provide modification instructions, and EASA issued AD 2013-0093, later superseded by EASA AD 2015-0020, to require modification of the sliding door star support.

After EASA AD 2015-0020 was issued, several incidents on the left-hand side doors (swing and sliding) revealed some weaknesses in the locking mechanism. Prompted by these occurrences, AH developed improved instructions for replacement of the rod ends and installation process of the reinforcements. To address these clarifications, AH issued ASB EC120-52A018 and ASB EC130-52A019 accordingly (both now at Revision 01), which also further expanded the Applicability. Subsequently, EASA issued AD 2020-0095, retaining the requirements of EASA AD 2015-0020, which was superseded, expanding the Applicability and requiring modification of the sliding door star support using improved instructions for rod ends replacement and installation of reinforcements.

Since that AD was issued, it has been identified that EASA AD 2020-0095 erroneously excluded from the Applicability EC 130 B4 helicopters that have embodied EC MOD 07 3796. Consequently, all EC 130 B4 were ruled out from the Applicability of that AD.

For the reason described above, this AD requires modification of the door star support of affected helicopters using improved instructions for rod ends replacement and installation of reinforcements.

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

Required as indicated by this AD, unless the actions required by this AD have been already accomplished:

Modification:

- (1) For Group 1 helicopters: Within 24 months after the effective date of this AD, modify the door locking/unlocking mechanism in accordance with the instructions of the ASB.

Parts 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 modification of the helicopter as required by paragraph (1) of this AD.
 - (2.2) For Group 2 helicopters: From the effective date of this AD.

Credit:

- (3) Modification of a helicopter, accomplished before the effective date of this AD in accordance with the instructions of ASB EC130-52A019 at original issue is acceptable to comply with the requirement of paragraph (1) of this AD for that helicopter.



Ref. Publications:

AH ASB EC130-52A019 original issue dated 18 April 2016, or Revision 01 dated 12 July 2016.

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 29 October 2024 as PAD 24-130 for consultation until 26 November 2024. 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 Customer Support, Telephone +33 (0)4.42.85.97.89, Fax + 33 (0)4.42.85.99.66, E-mail: Airframe.Technical-Support@airbus.com, Technical Request Management: TechnicalSupport.Helicopters@airbus.com.

