



Airworthiness Directive

AD No.: 2022-0023

Issued: 03 February 2022

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 DEUTSCHLAND GmbH

Type/Model designation(s):

EC135 and EC635 helicopters

Effective Date: 17 February 2022

TCDS Number(s): EASA.R.009

Foreign AD: Not applicable

Supersedure: None

ATA 21 – Air Conditioning – Air Conditioning System – Deactivation

Manufacturer(s):

Airbus Helicopters Deutschland GmbH (AHD), formerly Eurocopter Deutschland GmbH, Eurocopter España S.A.

Applicability:

EC135 P1, EC135 P2, EC135 P2+, EC135 P3, EC135 T1, EC135 T2, EC135 T2+, EC135 T3, EC635 P2+, EC635 P3, EC635 T1, EC635 T2+ and EC635 T3 helicopters, all variants, serial numbers (s/n) from 0008 to 0869 inclusive, except s/n 0831 and s/n 0864.

Definitions:

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

The ASB: Airbus Helicopters (AH) Alert Service Bulletin (ASB) EC135-21A-024.

Affected part: Air Conditioning System (ACS) soft start unit, having Part Number (P/N) ES59185-2, which can be installed on compressor/condenser pallet P/N 135-0553-1 or P/N 135-0566-2.

Affected compressor/condenser pallet: Compressor/condenser pallets having P/N 135-0553-1 or P/N 135-0566-2, if equipped with an affected part.

Groups: Group 1 are helicopters which have an affected compressor/condenser pallet installed.
Group 2 are helicopters which do not have an affected compressor/condenser pallet installed.



Reason:

Occurrences have been reported of malfunctioning ACS. Subsequent investigation identified the affected part, as defined in this AD, as root cause of those malfunctions.

This condition, if not corrected, could lead to overvoltage of the ACS, possibly resulting in overheating of the surrounding area and failure of the helicopter electrical system segment connected to the ACS.

To address this potential unsafe condition, AH issued the ASB, providing applicable instructions.

For the reasons described above, this AD requires deactivation of the ACS on helicopters with affected compressor/condenser pallet installed.

This AD is considered an interim action and further AD action may follow.

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

Required as indicated, unless accomplished previously:

Deactivation:

- (1) For Group 1 helicopters: Within 3 months or 100 flight hours, whichever occurs first after the effective date of this AD, deactivate the ACS in accordance with the instructions of the ASB.

Part(s) Installation:

- (2) For Group 1 and Group 2 helicopters: From the effective date of this AD, do not install an affected part, or an affected compressor/condenser pallet on any helicopter.

Ref. Publications:

AH ASB EC135-21A-024 original issue dated 02 February 2022.

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. Based on the required actions and the compliance time, EASA have decided to issue a Final AD with Request for Comments, postponing the public consultation process until after publication.
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 Deutschland GmbH, Industriestrasse 4, 86609 Donauwörth, Federal Republic of Germany, Telephone: + 33 (0)4 42 85 97 97;
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