

Airworthiness Directive

AD No.: 2024-0222

Issued: 22 November 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:

AEROLITE AG

Type/Model designation(s):

Installation of EMS equipment

Effective Date: 06 December 2024

STC Number(s): EASA Supplemental Type Certificate (STC) EASA.R.S.01506, EASA STC 10016765 Rev. 3 (formerly STC EASA.IM.R.S.01096), EASA STC 10016793 Rev. 2 (formerly STC EASA.IM.R.S.01143), EASA STC 10017157 Rev. 1 (formerly STC EASA.R.S.01265), EASA STC 10030992 Rev. 3, EASA STC 10039944 Rev. 1 (formerly STC FOCA.21J.004-SADD-2005-001 or LBA STC RC 1240), EASA STC 10075050 (previously STC FOCA 25-20-95 or LBA STC RC 1231), or any previous revision

Foreign AD: Not applicable

Supersedure: None

ATA 25 – Equipment / Furnishings – Equipment Rack Extension Support Rails – Modification

Manufacturer(s):

Airbus Helicopters Deutschland GmbH, formerly Eurocopter Deutschland GmbH; and Airbus Helicopters Inc., formerly American Eurocopter LLC

Applicability:

MBB-BK117 C-2, all variants, all serial numbers (s/n), if modified by EASA STC EASA.R.S.01506, EASA STC 10016765 Rev. 3 (formerly STC EASA.IM.R.S.01096), EASA STC 10016793 Rev. 2 (formerly STC EASA.IM.R.S.01143), EASA STC 10017157 Rev. 1 (formerly STC EASA.R.S.01265), EASA STC 10030992 Rev. 3, EASA STC 10039944 Rev. 1 (formerly STC FOCA.21J.004-SADD-2005-001 or STC LBA STC RC 1240), or EASA STC 10075050 (previously STC FOCA 25-20-95 or LBA STC RC 1231), or any previous revision.

Definitions:

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

The ASB: Aerolite AG Alert Service Bulletin (ASB) 17-012 Revision D, or ASB 17-013 Revision C, as applicable.

Affected parts: Support tube Part Number (P/N) 007145-501 and fork fitting type V P/N 0131164-001 (for installation on equipment rack extension P/N 145053-501, or P/N 145053-505); support tube P/N 007147-501 and fork fitting type V P/N 0131164-001 (for installation on equipment rack extension P/N 145053-503, or P/N 145053-507).

Groups: Group 1 helicopters are those that do not embody any of the Aerolite AG modifications SADD-17-025, SADD-17-026, SADD-17-027, SADD-17-028, SADD-18-001, SADD-18-002 and SADD-23-065.

Group 2 helicopters are those that embody Aerolite AG modifications SADD-17-025, SADD-17-026, SADD-17-027, SADD-17-028, SADD-18-001, SADD-18-002 or SADD-23-065.

Reason:

A design deficiency was identified, affecting the equipment rack extension P/N 145053-501, 145053-503, 145053-505 and 145053-507, installed by Aerolite AG STCs on MBB-BK117 C-2 helicopters.

This condition, if not corrected, could lead to failure of the equipment rack extension, possibly resulting in injury to helicopter occupants.

To address this potential unsafe condition, Aerolite AG developed modifications SADD-17-025, SADD-17-026, SADD-17-027, SADD-17-028, SADD-18-001, SADD-18-002 and SADD-23-065, improving the structural properties of the equipment rack extension, and published the ASB providing instructions for embodiment of the modification in service.

For the reasons described above, this AD requires modification of the equipment rack extension, and prohibit installation of affected parts.

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

Required as indicated by this AD, unless the action(s) required by this AD have been already accomplished:

Modification:

- (1) For Group 1 helicopters: Within 60 days after the effective date of this AD, modify the equipment rack extension in accordance with the instructions of the ASB.

Credit:

- (2) Modification of the equipment rack extension, accomplished on a helicopter before the effective date of this AD in accordance with the instructions of the original issue, Revision A, Revision B, or Revision C of the ASB 17-012, or in accordance with the instructions of the original issue, Revision A, or Revision B of the ASB 17-013, is acceptable to comply with the requirements of paragraph (1) of this AD for that helicopter.



Part Installation:

(3) Do not install an affected part, or any higher assembly having an affected part installed, on any helicopter, as required by paragraph (3.1) or (3.2) of this AD, as applicable:

(3.1) For Group 1 helicopters: After modification of the helicopter as required by paragraph (1) of this AD.

(3.2) For Group 2 helicopters: from the effective date of this AD.

Ref. Publications:

Aerolite AG ASB 17-012 original issue dated 24 August 2017, Revision A dated 15 May 2023, Revision B dated 11 August 2023, or Note 1: The requirements of paragraph (1) of this AD are not applicable for aeroplanes not having an operational approval to conduct CAT II or CAT III approaches.

Revision C dated 09 May 2024, or Revision D dated 18 November 2024.

Aerolite AG ASB 17-013 original issue dated 09 January 2018, Revision A dated 15 May 2023 or Revision B dated 11 August 2023, or Revision C dated 18 November 2024.

The use of later approved revisions of the above-mentioned documents 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. All interested persons may send their comments, referencing the AD Number, to the E-mail address specified in below Remark 3, prior to 03 January 2025. Only if any comment is received during the consultation period, a Comment Response Document will be published in the [EASA Safety Publications Tool](#), in a compressed ('zipped') file, attached to the record for this AD.
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: Aerolite AG. E-mail: office.airworthiness@aerolite.ch.

Corrected

