



Airworthiness Directive

AD No.: 2021-0040

Issued: 27 January 2021

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:

LEONARDO S.p.A.

Type/Model designation(s):

AW119MKII helicopters

Effective Date: 03 February 2021

TCDS Number(s): EASA.R.005

Foreign AD: Not applicable

Supersedure: None

ATA 31 – Instruments – Wiring – Inspection / Modification

Manufacturer(s):

AgustaWestland Philadelphia Corporation, formerly Agusta Aerospace Corporation

Applicability:

AW119MKII helicopters, all serial numbers (s/n) from 14901 up to 14963 inclusive, except s/n 14937, 14938, 14940, 14950, 14961 and 14962.

Definitions:

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

The SB: Leonardo Alert Service Bulletin (SB) 119-108.

Groups: Group 1 are helicopters having s/n from 14901 to 14951 inclusive.

Reason:

Occurrences have been reported of detecting smoke and burning smell during flight. Subsequent inspections and investigations identified chafing of electrical wiring to have been the cause of these events.



This condition, if not detected and corrected, could lead to further occurrences of smoke in the cabin, or loss of function of avionics equipment, possibly resulting in reduced control of the helicopter.

To address this possible unsafe condition, Leonardo published the SB, providing applicable instructions.

For the reasons stated above, this AD requires a one-time inspection of electrical wiring and, depending on findings, accomplishment of applicable corrective action(s), and modification of the wiring installation.

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

Required as indicated, unless accomplished previously:

Inspection:

- (1) For all helicopters: Within 25 Flight Hours (FH) or 3 months, whichever occurs first after the effective date of this AD, inspect the instrument panel electrical wiring in accordance with the instructions of Part I of the SB.

Corrective Action(s):

- (2) If, during the inspection as required by paragraph (1) of this AD, any defect is found, as identified in the SB, before next flight, accomplish the applicable corrective action(s) in accordance with the instructions of Part I of the SB.

Modification(s):

- (3) For all helicopters: Concurrently with the inspection as required by paragraph (1) of this AD, modify the wiring installation in accordance with the instructions of Part I, step (6), of the SB.
- (4) For Group 1 helicopters: Within 25 FH or 3 months, whichever occurs first after the effective date of this AD, modify the wiring installation in accordance with the instructions of Part II of the SB.

Ref. Publications:

Leonardo S.p.A. Helicopters SB 119-108 original issue dated 25 January 2021.

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: Leonardo S.p.A. Helicopters, Customer Support & Services, Product Support Engineering, E-mail: aw109.mbx.aw@leonardocompany.com.

