



Notification of a Proposal to issue an Airworthiness Directive

PAD No.: 21-016

Issued: 03 February 2021

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:

LEONARDO S.p.A.

Type/Model designation(s):

A109 helicopters

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

TCDS Number(s): EASA.R.005

Foreign AD: Not applicable

Supersedure: None

ATA 24 – Electrical Power – Wiring Protection – Modification

Manufacturer(s):

Leonardo S.p.A. Helicopters, formerly Finmeccanica S.p.A., AgustaWestland S.p.A., Agusta S.p.A.

Applicability:

AW109SP helicopters, serial number (s/n) 22375, and s/n 22387 to 22422 inclusive, except s/n 22404, 22405, 22407, 22409, 22413, 22415, 22419, 22420 and 22421.

A109S helicopters, s/n 22707 to 22717 inclusive, 22721, 22723, 22729 and s/n 22731 to 22734 inclusive.

Definitions:

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

The applicable SB: Leonardo Alert Service Bulletin (SB) 109SP-142 or Alert SB 109S-100, as applicable.



Reason:

Following inspections of helicopters on the production line, it has been determined that, on certain helicopters, the rubber protection of certain electrical wiring has not been installed in the baggage avionics bay.

EASA already issued AD 2018-0149-E to address a similar unsafe condition on a different batch of helicopters.

This condition, if not corrected, could lead to chafing of electrical wiring, possibly resulting in a fire in the baggage compartment and consequent loss of control of the helicopter.

To address this potential unsafe condition, Leonardo published the applicable SBs, providing modification instructions.

For the reasons described above, this AD requires installation of rubber protections on the electrical wiring in the baggage/avionics compartment.

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

Required as indicated, unless accomplished previously:

Modification:

Within 200 flight hours after the effective date of this AD, install protective rubber borders on the edge of the baggage/avionics compartment frames in accordance with the instructions of the applicable SB.

Ref. Publications:

Leonardo S.p.A. Helicopters SB 109SP-142 original issue dated 02 February 2021.

Leonardo S.p.A. Helicopters SB 109S-100 original issue dated 02 February 2021.

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 03 March 2021.
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: Leonardo S.p.A. Helicopters, Customer Support & Services, Product Support Engineering, E-mail: aw109.mbx.aw@leonardocompany.com.

