

## Airworthiness Directive

**AD No.:** 2021-0255**Issued:** 15 November 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):**

A109S and AW109SP helicopters

**Effective Date:** 29 November 2021**TCDS Number(s):** EASA.R.005**Foreign AD:** Not applicable**Supersedure:** None**ATA 67 – Rotors Flight Control – Control Rods and Levers – Inspection**

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**Manufacturer(s):**

Leonardo S.p.A., Helicopters

**Applicability:**

A109S helicopters, serial numbers (s/n) 22735, 22736 and 22737; and

AW109SP helicopters, s/n 22407, 22408, 22409, 22412, 22414 to 22427 included, and 22429.

Those s/n are equipped with TREKKER kit.

**Definitions:**

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

**The applicable ASB:** Leonardo Alert Service Bulletin (ASB) 109S-104 and ASB 109SP-148, as applicable.**Affected part:** Control rods and levers of the rotors flight control, installed at locations and having Part Numbers as identified in the applicable ASB.

**Reason:**

An occurrence was reported of finding a protective sheath installed around a fixed flight control rod. That protection should have been removed during the helicopter final assembly.

This condition, if not detected and corrected, could lead to foreign object contamination, possibly affecting the free movement of flight controls and resulting in reduced control of the helicopter.

To address this potential unsafe condition, Leonardo published the applicable ASB, as defined in this AD, providing instructions for inspection and corrective action.

For the reason described above, this AD requires a one-time inspection of the affected parts, as defined in this AD, and removal of any foreign object detected.

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

Required as indicated, unless accomplished previously:

**Inspection:**

- (1) Within 50 flight hours or 3 months, whichever occurs first after the effective date of this AD, inspect each affected part in accordance with the instructions of the applicable ASB.

**Corrective Action(s):**

- (2) If, during the inspection as required by paragraph (1) of this AD, any foreign object is found on an affected part, before next flight, remove that foreign object in accordance with the instructions of the applicable ASB.

**Ref. Publications:**

Leonardo S.p.A. ASB 109S-104 original issue dated 26 October 2021.

Leonardo S.p.A. ASB 109SP-148 original issue dated 26 October 2021.

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.
3. Enquiries regarding this AD should be referred to the EASA Safety Information Section, Certification Directorate. E-mail: [ADs@easa.europa.eu](mailto: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 & Licenses DPT, Via Giovanni Agusta 520, 21017 Cascina Costa di Samarate (VA) – Italy, Tel.: +39 0331 711429, Fax: +39 0331 915145, E-mail: [absereng.AW@leonardocompany.com](mailto:absereng.AW@leonardocompany.com).

