



Notification of a Proposal to issue an Airworthiness Directive

PAD No.: 25-082

Issued: 05 June 2025

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 and A119 helicopters

Effective Date: [TBD – Standard: 14 days after AD issue date]

TCDS Number(s): EASA.R.005

Foreign AD: Not applicable

Supersedure: None

ATA 62 – Main Rotor – Swashplate Duplex Bearing – Inspection

Manufacturer(s):

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

Applicability:

A109A, A109All, A109C, A109K2, A109E, A109LUH, A119 and AW119MKII helicopters, all serial numbers (s/n).

A109S helicopters, all s/n up to 22748 (inclusive), except s/n 22742.

AW109SP helicopters, all s/n up to 22465 (inclusive), except s/n 22461.

Definitions:

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

The applicable ASB: Leonardo Alert Service Bulletins (ASB) 109-162 Revision (Rev.) A (for A109A, A109All and A109C helicopters), 109K-080 Rev. A (for A109K2 helicopters), 109S-123 Rev. A (for A109S helicopters), 109L-125 Rev. A (for A109LUH helicopters), 109EP-186 Rev. A (for A109E helicopters), 119-153 Rev. A (for A119 and AW119MKII helicopters) and ASB 109SP-166 Rev. A (for AW109SP helicopters).



The maintenance procedure: Swashplate assembly disassembly and assembly procedure, in accordance with the applicable A109 or A119 helicopter model maintenance instructions referenced in Part 1, Section 1.A of the applicable ASB.

Affected part: Swashplate duplex bearing, Part Number 109-0110-35-3.

Reason:

An occurrence of improper installation of the affected part has been reported on a helicopter. Relevant investigation determined that the affected part has been improperly installed in production.

This condition, if not detected and corrected, could lead to failure of the affected part, possibly resulting in reduced control of the helicopter.

To address this potential unsafe condition, Leonardo published the ASB providing inspection instructions.

For the reason described above, this AD requires accomplishment of a one-time inspection and, depending on findings, corrective actions.

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:

Inspection:

- (1) Within 12 months or 100 flight hours, whichever occurs first after the effective date of this AD, inspect the affected part in accordance with the instructions of the applicable ASB.
- (2) Accomplishment on a helicopter of the maintenance procedure, as defined in this AD, within the compliance time as defined in paragraph (1) of this AD is an acceptable method to comply with the inspection requirements of paragraph (1) of this AD for that helicopter.

Corrective Action(s):

- (3) If, during the inspection as required by paragraph (1) of this AD, or as defined in paragraph (2) of this AD, any discrepancy is detected on an affected part as specified in the ASB, before next flight, contact Leonardo for applicable repair instructions and, before next flight, accomplish those instructions accordingly.

Credit:

- (4) Inspection and, depending on finding(s), corrective action(s) accomplished on a helicopter, before the effective date of this AD in accordance with the instructions of the original issue of the Leonardo ASB 109-162, 109K-080, 109S-123, 109L-125, 109EP-186, 119-153 or ASB 109SP-166 is an acceptable method to comply with the requirement of the paragraph (1) of this AD for that helicopter.



Part Installation:

- (5) From the effective date of this AD, installation of the affected part is allowed, provided that the part is new (never previously installed) or passed an inspection (no finding or finding corrected) in accordance with the instructions of the applicable ASB.

Ref. Publications:

Leonardo S.p.A. ASB 109K-080 original issue dated 25 November 2024, or Rev. A dated 12 May 2025.

Leonardo S.p.A. ASB 109S-123 original issue dated 25 November 2024, or Rev. A dated 12 May 2025.

Leonardo S.p.A. ASB 109L-125 original issue dated 25 November 2024, or Rev. A dated 12 May 2025.

Leonardo S.p.A. ASB 109-162 original issue dated 25 November 2024, or Rev. A dated 12 May 2025.

Leonardo S.p.A. ASB 109SP-166 original issue dated 25 November 2024, or Rev. A dated 12 May 2025.

Leonardo S.p.A. ASB 109EP-186 original issue dated 25 November 2024, or Rev. A dated 12 May 2025.

Leonardo S.p.A. ASB 119-153 original issue dated 25 November 2024, or Rev. A dated 12 May 2025.

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 July 2025.
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, E-mail: engineering.support.lhd@leonardocompany.com.

