



## Emergency Airworthiness Directive

**AD No.:** 2018-0053-E

**Issued:** 08 March 2018

Note: This Emergency Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EC) 216/2008 on behalf of the European Union, its Member States and of the European third countries that participate in the activities of EASA under Article 66 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 (EC) 216/2008, Article 14(4) exemption].

**Design Approval Holder's Name:**

LEONARDO S.p.A.

**Type/Model designation(s):**

AW109SP helicopters

**Effective Date:** 10 March 2018

**TCDS Number(s):** EASA.R.005

**Foreign AD:** Not applicable

**Supersedure:** None

### ATA 62 – Main Rotor – Swashplate Support – Replacement

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**Manufacturer(s):**

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

**Applicability:**

AW109SP helicopters, all serial numbers.

**Definitions:**

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

**The SB:** Leonardo Service Bulletin (SB) 109SP-119.

**Affected part:** Swashplate supports, Part Number (P/N) 109-0110-05-101.

**Groups:** Group 1 helicopters are those that have an affected part installed. Group 2 helicopters are those that do not have an affected part installed. The SB provides an acceptable method to determine if an affected part is installed.

**Reason:**

It was determined that swashplate support P/N 109-0110-05-101, a part which is not eligible for installation on AW109SP helicopters, is erroneously listed in the AW109SP Parts Catalogue OB-A-IPD-00-X. As a consequence, an affected part could inadvertently have been installed in



service on an AW109SP helicopter. Although the part does have a life limit, the affected part and the corresponding limit are not listed in the AW109SP airworthiness limitations.

This condition, if not detected and corrected, could lead to failure of the swashplate support, possibly resulting in loss of control of the helicopter.

Prompted by this occurrence, Leonardo issued the SB, providing applicable instructions.

For the reasons described above, this AD requires replacement of affected parts with eligible parts, and prohibits installation of affected parts. The AW109SP Parts Catalogue is expected to be revised to correct the error.

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

Required as indicated, unless accomplished previously:

#### Replacement:

- (1) For Group 1 helicopters: Within the compliance time specified in Table 1 of this AD, as applicable, replace the affected part with an eligible part in accordance with the instructions of the SB.

Table 1 – Affected Part Replacement (see Note 1 of this AD)

Flight Hours (FH) Accumulated	Compliance Time
1 000 FH or more	Before next flight after the effective date of this AD
FH unknown	
Less than 1 000 FH	Within 15 FH after the effective date of this AD, or before exceeding 1 000 FH, whichever occurs first

Note 1: Unless specified otherwise, the FH indicated in Table 1 of this AD are those accumulated by an affected part, on the effective date of this AD, since first installation on a helicopter.

#### Parts Installation:

- (2) For Group 1 and Group 2 helicopters: From the effective date of this AD, do not install an affected part on any helicopter.

#### Ref. Publications:

Leonardo S.p.A. Helicopters SB 109SP-119 original issue dated 07 March 2018.

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. The results of the safety assessment have indicated the need for immediate publication and notification, without the full consultation process.
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. 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 DPT, E-mail: [aw109.mbx.aw@leonardocompany.com](mailto:aw109.mbx.aw@leonardocompany.com).

