



## Emergency Airworthiness Directive

**AD No.:** 2018-0120-E

**Issued:** 29 May 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):

A109S and AW109SP helicopters

**Effective Date:** 31 May 2018

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

**Foreign AD:** Not applicable

**Supersedure:** None

## ATA 53 – Fuselage – Baggage Fairings – Modification

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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:

A109S helicopters, serial number (s/n) 22702 and 22703, AW109SP helicopters, all s/n up to 22386 inclusive, except s/n 22375, 22376 and 22384.

### Definitions:

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

**The applicable SB:** Leonardo Service Bulletin (SB) 109SP-120 and SB 109S-079, as applicable.

### Reason:

Wire chafing, leading to fire ignition and smoke in the baggage compartment, has been reported on an AW109SP helicopter.

This condition, if not detected and corrected, could lead to further events of fire in the baggage compartment, possibly resulting in loss of control of the helicopter.



Due to similarity of design, A109S helicopters may also be affected by the same potential unsafe condition. Prompted by this occurrence, Leonardo issued the applicable SB, providing applicable instructions.

For the reasons described above, this AD requires modification of the affected baggage fairing assembly (fwd up), Part Number (P/N) 109-0344-31-101, and, pending this modification, a temporary amendment to the applicable Rotorcraft Flight Manual (RFM) and installation of a placard, prohibiting carrying any loads in the baggage compartment.

This AD is considered an interim action and further AD action may follow.

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

Required as indicated, unless accomplished previously:

##### **RFM Amendment:**

- (1) Before next flight after the effective date of this AD, amend the limitation section of the applicable RFM in accordance with the instructions of Part I of the applicable SB, inform all flight crews and, thereafter, operate the helicopter accordingly.

##### **Placard Installation:**

- (2) Concurrently with the RFM amendment as required by paragraph (1) of this AD, install a placard on the inside of baggage door D8 in accordance with the instructions of Part I of the applicable SB.

##### **Modification:**

- (3) Within 15 flight hours after the effective date of this AD, modify the affected baggage fairing assembly P/N 109-0344-31-101 in accordance with the instructions of Part II of the applicable SB.
- (4) Concurrently with modification of a helicopter as required by paragraph (3) of this AD, the RFM amendment and placard as required by paragraphs (1) and (2) of this AD are no longer necessary and can be removed from the helicopter.

#### **Ref. Publications:**

Leonardo S.p.A. Helicopters SB 109SP-120 original issue dated 28 May 2018.

Leonardo S.p.A. Helicopters SB 109S-079 original issue dated 28 May 2018.

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. 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. 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](#).
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 DPT, E-mail: [aw109.mbx.aw@leonardocompany.com](mailto:aw109.mbx.aw@leonardocompany.com).

