



Emergency Airworthiness Directive

AD No.: 2019-0119-E

Issued: 29 May 2019

Note: This Emergency 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):

F260 aeroplanes

Effective Date: 31 May 2019

TCDS Number(s): EASA.A.586

Foreign AD: Not applicable

Supersedure: None

ATA 27 – Flight Controls – Flap Actuator – Inspection / Replacement

Manufacturer(s):

Leonardo S.p.A. (formerly Finmeccanica S.p.A., Alenia Aermacchi S.p.A., Aermacchi S.p.A., SIAI Marchetti S.r.l., Agusta S.p.A., SIAI Marchetti S.p.A., AVIAMILANO - Costruzioni Aeronautiche)

Applicability:

F260, F260B, F260C, F260D, F260E, F260F and SF260TP aeroplanes, all serial numbers.

Definitions:

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

Affected part: Flap actuators, having Part Number (P/N) SF260-12-215-01, P/N SF260-12-215-101, or P/N SF260-12-215-09.

Serviceable part: An affected part which has accumulated less than 1 000 flight hours (FH) since first installation on an aeroplane, or which, before installation, has passed an inspection (no cracks/damage found) in accordance with the instructions of section 3.A. of the ASB.

The ASB: Leonardo Aircraft Alert Service Bulletin (ASB) 260SB-166.



Reason:

During maintenance, cracks were found on the body of several flap actuators installed on F260 aeroplanes and held as spares. Investigation is ongoing to determine the root cause of the cracking.

This condition, if not detected and corrected, could lead to failure of the flap actuator, possibly resulting in reduced control of the aeroplane.

To address this potential unsafe condition, Leonardo S.p.A. issued the ASB to provide inspection instructions.

For the reason described above, this AD requires repetitive inspections of the affected parts, and, depending on findings, replacement of an affected part with a serviceable part.

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

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

Required as indicated, unless accomplished previously:

Inspection(s):

- (1) Within the compliance time as defined in Table 1 of this AD, as applicable, accomplish a fluorescent dye penetrant inspection of each affected part in accordance with the instructions of section 3.A. of the ASB and, thereafter, at intervals not to exceed 100 FH, visually inspect each affected part in accordance with the instructions of section 3.B. of the ASB.

Table 1 – Initial Flap Actuator Inspection (see Note 1 of this AD)

FH accumulated	Compliance Time (whichever occurs first)
1 000 FH or more, or FH unknown	Within 10 FH or 30 days after the effective date of this AD
Less than 1 000 FH	Before exceeding 1 010 FH, or within 30 days after exceeding 1 000 FH

Note 1: Unless indicated otherwise, the FH specified in Table 1 of this AD are those accumulated by the flap actuator since first installation on an aeroplane.

Corrective Action(s):

- (2) If, during any inspection as required by paragraph (1) of this AD, any crack or damage is detected, before next flight, replace the cracked/damaged affected part with a serviceable part, as defined in this AD, in accordance with the instructions of the ASB.

Terminating Action:

- (3) None.

Parts Installation:

- (4) From the effective date of this AD, it is allowed to install an affected part, provided it is a serviceable part, as defined in this AD, and that, following installation, the affected part is inspected as required by this AD.



Ref. Publications:

Leonardo Aircraft ASB 260SB-166 original issue dated 27 May 2019.

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 Programming and Continued Airworthiness Information Section, Certification Directorate. E-mail: 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. Aircraft Division, Customer Support, Services & Training, E-mail: in-service.configuration.ALA@leonardocompany.com or technicalassistance.ala@leonardocompany.com.

