



Emergency Airworthiness Directive

AD No.: 2024-0112-E

Issued: 12 June 2024

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, or Annex Vb Part ML.A.301, as applicable, 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 Annex Vb Part ML.A.303, as applicable] or agreed with the Authority of the State of Registry [Regulation (EU) 2018/1139, Article 71 exemption].

Design Approval Holder's Name:

ELIXIR AIRCRAFT

Type/Model designation(s):

ELIXIR aeroplanes

Effective Date: 14 June 2024

TCDS Number(s): EASA.A.633

Foreign AD: Not applicable

Supersedure: None

ATA 71 – Power Plant – Engine Mount – Inspections / Replacement

Manufacturer(s):

ELIXIR AIRCRAFT

Applicability:

ELIXIR aeroplanes, all manufacturer serial numbers.

Definitions:

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

Affected part: Engine mount having Part Number (P/N) PRD-00094440.

Serviceable part: An affected part which is new (never previously installed on an aeroplane).

The ASB: ELIXIR AIRCRAFT Alert Service Bulletin (ASB) ASB-633-003.

Reason:

Several engine mounts were found cracked at the upper right silent block support. The root cause of those cracks or cracks initiation is still under investigation.



This condition, if not detected and corrected, could reduce the structural integrity of the engine mount, possibly leading to loss of control of the aeroplane.

To address this potential unsafe condition, ELIXIR AIRCRAFT issued the ASB to provide instructions for inspection of the affected part.

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

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

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:

Inspections:

- (1) Before next flight after the effective date of this AD, and, thereafter, at intervals not to exceed 25 flight hours (FH), accomplish a DET of the affected part in accordance with the instructions of the ASB (see Note 1 of this AD).

Note 1: The action(s) required by paragraph (1) of this AD may be accomplished by the pilot-owner under the provisions of Annex I paragraph M.A.803 or Annex Vb paragraph ML.A.803 of Regulation (EU) No 1321/2014, as applicable.

Corrective Action(s):

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

Note 2: After engine mount replacement as required by paragraph (2) of this AD, the subsequent DET must be accomplished before exceeding 25 FH after that replacement.

Terminating Action:

- (3) Replacement on an aeroplane of the affected part with a serviceable part, as required by paragraph (2) of this AD does not constitute terminating action for the repetitive inspections as required by paragraph (1) of this AD for that aeroplane.

Reporting:

- (4) Within 7 days after the accomplishment of each DET inspection, as required by paragraph (1) of this AD, report the inspections results, including no findings to ELIXIR AIRCRAFT. Using the form attached to the SB is an acceptable method to comply with this requirement.

Ref. Publications:

ELIXIR AIRCRAFT ASB-633-003 Revision 01 dated 06 June 2024, Revision 02 dated 06 June 2024 or Revision 03 dated 11 June 2024.



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.
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: airworthiness@elixir-aircraft.com.

