



Emergency Airworthiness Directive

AD No.: 2024-0179-E

Issued: 13 September 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: 17 September 2024

TCDS Number(s): EASA.A.633

Foreign AD: Not applicable

Supersedure: None

ATA 71 – Power Plant – Engine Mount Bolts – Replacement

Manufacturer(s):

ELIXIR AIRCRAFT

Applicability:

Elixir aeroplanes, all manufacturer serial numbers (MSN).

Definitions:

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

Affected part: Engine mount bolt having Part Number PRD-00100696 and marked “BUMAX” on its head, which:

- has been installed in production on MSN 002, 011, and 013 to 028 inclusive; or
- has batch number 2011070000000029; or
- for which the batch number is not known.

See picture in the Annex 1 to this AD.

Serviceable part: Any engine mount bolt, eligible for installation in accordance with ELIXIR instructions, which is not an affected part.



The ASB: ELIXIR AIRCRAFT Alert Service Bulletin (ASB) 633-004 Revision 02.

Groups: Group 1 aeroplanes are those which have one or more affected part(s) installed.
Group 2 aeroplanes are those which do not have any affected part installed.

Reason:

During engine installation on a new aeroplane in production, incorrect bolts were identified.

This condition, if not detected and corrected, could reduce the structural integrity of the engine attachments, potentially leading to damage to other aeroplane systems or detachment of an engine resulting in loss of control of the aeroplane.

To address this potential unsafe condition, ELIXIR AIRCRAFT issued the ASB to provide instructions for identification of affected parts and replacement of the engine mount bolts.

For the reason described above, this AD requires replacement of all 4 engine mount bolts for Group 1 aeroplanes with serviceable parts, and prohibits (re)installation of affected part.

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:

Parts Replacement:

(1) For Group 1 aeroplanes: Before next flight after the effective date of this AD, replace all 4 engine mount bolts, as identified in Figure 1 of the ASB, with serviceable parts in accordance with the instructions of the ASB.

Ferry Flight:

(2) A single ferry flight without passenger is allowed to position the aeroplane to a maintenance location where the required replacement can be performed as required by paragraph (1) of this AD.

Part Installation:

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

Ref. Publications:

ELIXIR AIRCRAFT ASB-633-004 Revision 02 dated 09 September 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: Elixir Aircraft, Aéroport de La Rochelle - Ile de Ré, Rue du Jura, 17 000 La Rochelle, France; E-mail: airworthiness@elixir-aircraft.com.



Annex 1 - Affected Part Identification

