



# Notification of a Proposal to issue an Airworthiness Directive

**PAD No.: 19-009**

**Issued: 21 January 2019**

Note: This Proposed Airworthiness Directive (PAD) 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.

In accordance with the EASA Continuing Airworthiness Procedures, the Executive Director is proposing the issuance of an EASA Airworthiness Directive (AD), applicable to the aeronautical product(s) identified below.

All interested persons may send their comments, referencing the PAD Number above, to the e-mail address specified in the 'Remarks' section, prior to the consultation date indicated.

**Design Approval Holder's Name:**

AUSTRO ENGINE GmbH

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

E4 series engines

**Effective Date:** [TBD - standard: 14 days after AD issue date]

**TCDS Number(s):** EASA.E.200

**Foreign AD:** Not applicable

**Supersedure:** None

## ATA 05 – Time Limits / Maintenance Checks – Airworthiness Limitations Section – Amendment

**Manufacturer(s):**

Austro Engine GmbH

**Applicability:**

Model E4 and E4P engines, all serial numbers.

These engines are known to be installed on, but not limited to, Diamond Aircraft Industries DA 40 NG, DA 42 NG, DA 42 M-NG and DA 62 aeroplanes.

**Definitions:**

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

**The ALS:** Austro Engine Temporary Revision (TR) MM-TR-MDC-E4-454 dated 03 October 2018, revising Chapter 04 of E4 Maintenance Manual (MM) reference (ref.) Doc. No. E4.08.04 Revision 27, and Mandatory Service Bulletin (MSB) MSB-E4-025/3.

**The AMP:** The approved Aircraft Maintenance Programme (AMP) on the basis of which the operator or the owner ensures the continuing airworthiness of each operated aircraft. For aircraft



registered in Europe, compliance with the approved AMP is required by Commission Regulation (EU) [1321/2014](#), Part M.A.301, paragraph 3.

#### Reason:

The airworthiness limitations and maintenance tasks for the Austro Engine E4 and E4P engines, which are approved by EASA, are currently defined and published in the Austro Engine MM, Chapter 04. These instructions have been identified as mandatory for continued airworthiness.

Failure to accomplish these instructions could result in an unsafe condition.

Austro Engine recently revised the ALS, introducing life limit for the engine timing chain and for the fuel injectors.

For the reason described above, this AD requires accomplishment of the actions specified in the ALS.

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

Required as indicated, unless accomplished previously:

#### Maintenance Tasks and Replacement of Life Limited Parts:

- (1) From the effective date of this AD, replace each component before exceeding the applicable life limit, as specified in the ALS, as applicable to engine model and configuration.

Note 1: For the purpose of this AD, the thresholds and intervals as defined in the ALS include specific compliance times for certain tasks.

#### AMP Revision:

- (2) Within 12 months after the effective date of this AD, revise the approved AMP by incorporating the limitations described in the ALS, as applicable to engine model and configuration.

#### Credit:

- (3) Accomplishment of the requirements of paragraph (1) or (2) of this AD for an engine, as applicable, is an acceptable method to comply with the requirements of paragraphs (1) and (2) of EASA AD 2017-0103 for that engine.

#### Recording AD compliance:

- (4) When the AMP of an aircraft has been revised as required by paragraph (2) of this AD, that action ensures continued accomplishment of the tasks as required by paragraph (1) of this AD for that engine. Consequently, after revising the AMP, as required by paragraph (2) of this AD, it is not necessary that accomplishment of individual actions are recorded for demonstration of AD compliance on a continued basis.

#### Ref. Publications:

Austro Engine TR MM-TR-MDC-E4-454 dated 03 October 2018, revising E4 MM ref. Doc. No. E4.08.04 Revision 27, or later revision of E4 MM including the content of this TR.

Austro Engine MSB-E4-025/3 dated 08 January 2019.



The use of later approved revisions of above-mentioned documents is acceptable for compliance with the requirements of this AD.

**Remarks:**

1. This Proposed AD will be closed for consultation on 18 February 2019.
2. Enquiries regarding this PAD should be referred to the EASA Safety Information Section, Certification Directorate. E-mail: [ADs@easa.europa.eu](mailto:ADs@easa.europa.eu).
3. Information about any failures, malfunctions, defects or other occurrences, which may be similar to the unsafe condition addressed by this PAD, and which may occur, or have occurred on a product, part or appliance not affected by this PAD, can be reported to the [EU aviation safety reporting system](#).
4. For any question concerning the technical content of the requirements in this PAD, please contact: Austro Engine GmbH, Rudolf-Diesel-Str. 11, 2700 Wiener Neustadt, Austria, Telephone +43-2622-23000-2525, E-mail [service@austroengine.at](mailto:service@austroengine.at).

