



Service Bulletin
No. MSB-E4-003/22

Austro Engine GmbH
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MANDATORY SERVICE BULLETIN

No. MSB-E4-003/22
SUPERSEDES SB No. MSB-E4-003/21

1. BASIC INFORMATION

1.1. SUBJECT

Software and Hardware Versions of the E4 Engine Series.

1.2. ENGINES AFFECTED

Type: E4
Model(s): E4, E4P
Serial number(s): all

1.3. REASON

According to the Type Certificate Data Sheet (TCDS) No. E.200, Chapter VI, this SB declares the approved software and hardware versions for the Electronic Engine Control Unit (EECU).

NOTE: Corresponding bulletins of the aircraft manufacturer have to be observed.

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1.4. TIME OF COMPLIANCE

Within the next 50 h operating hours or at the next maintenance action from date of revision, whichever comes first.

NOTE: Prior compliance with MSB E4-003 through MSB-E4-003/21 does not constitute compliance with this MSB.

1.5. CONCURRENT DOCUMENTS / REFERENCES

Maintenance Manual – Doc. No.:	E4.08.04, latest effective issue
Operation Manual E4 – Doc. No.:	E4.01.01, latest effective issue OM-TR-MDC-E4-359b
Operation Manual E4P – Doc. No.:	E4.01.02, latest effective issue OM-TR-MDC-E4-359b

1.6. OTHER PUBLICATIONS AFFECTED

None.

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2. TECHNICAL DETAILS

2.1. ACCOMPLISHMENT / INSTRUCTIONS

Make sure OM-TR-MDC-E4-359b is inserted into the Operation Manuals E4.01.01 and E4.01.02 or a revision of the OM with the Temporary Revision incorporated is used.

Make sure that the EECU software version of your engine S/N complies with the software version shown in Table 1. For the read-out-procedure of your EECU software version, see engine Maintenance Manual Doc. No. E4.08.04 chapter 05-20-05 – EECU Read Out.

If the EECU software version of your engine does not comply with a valid version as listed in Table 1 it is mandatory to be updated with the version shown in Table 1.

It is always recommended to update the software with the latest valid version relevant for your engine serial number. Prior approved software and hardware versions might also not correspond to the content of the latest effective issues of manuals.

NOTE: EECU software update to version VC33_x(P)_06_21 can only be performed with AE300 Wizard of at least version 1.3.2.417. It is necessary to upgrade to this AE300 Wizard version before starting the EECU software update.

Update the software according to the Maintenance Manual chapter 76-00-11. Within the MM all necessary steps for performing a successful software update are described.

NOTE: If updating multiple EECUs consecutively e.g. on multi engine aircraft terminate AE300 Wizard after each EECU to prevent possible error messages.

For software-updates, please contact Austro Engine GmbH service partner.

For the time of compliance, see chapter 1.4 of this MSB.

General: VC**aa**_bb_cc_**dd**_e
aa Main software version
bb HW configuration / engine model
cc Sub software version
dd Dataset version
e Indicator for optional software version

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	Model	Engine S/N	Software Version	Hardware Version
Latest valid SW / HW Versions	E4-A	E4-A-00001 and subsequent	VC33_1_06_21 (E4A-92-200-000-190)	E4A-92-100-000-02()* and later
	E4-B	E4-B-00001 and subsequent	VC33_0_06_21 (E4B-92-200-000-100)	E4A-92-100-000-02()* and later
	E4-C	E4-C-00001 and subsequent	VC33_2_06_21 (E4C-92-200-000-050)	E4A-92-100-000-02()* and later
	E4P-B	E4P-B-00001 and subsequent	VC33_0P_06_21 (E4PB-92-200-000-030)	E4A-92-100-000-02()* and later
	E4P-C	E4P-C-00001 and subsequent	VC33_2P_06_21 (E4PC-92-200-000-030)	E4A-92-100-000-02()* and later
Optional valid SW / HW Versions	E4-A	E4-A-00001 and subsequent	VC33_1_05_18_D (E4A-92-300-000-020)	E4A-92-100-000-02()* and later
	E4-B	E4-B-00001 and subsequent	VC33_0_05_18_D (E4B-92-300-000-020)	E4A-92-100-000-02()* and later
	E4-C	E4-C-00001 and subsequent	VC33_2_05_18_D (E4C-92-300-000-020)	E4A-92-100-000-02()* and later

Table 1: Valid E4 Software / Hardware Versions

* **NOTE:** The last digit of the Hardware part number is a placeholder "()". This digit is not service relevant.

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2.2. ILLUSTRATIONS

None.

2.3. MASS (WEIGHT)

Not affected.

2.4. APPROVAL STATEMENT

The technical content of this document has been approved under the authority of DOA No. EASA.21J.399.

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3. PLANNING INFORMATION

3.1. MATERIAL & AVAILABILITY

The software and concurrent documents can be obtained through Austro Engine GmbH.

3.2. SPECIAL TOOLS

- AE300 Wizard at least Version 1.3.2.417 for engine models E4 and E4P
- Qualified-Maintenance USB dongle (order number IPEH-002021-QM).

3.3. LABOR EFFORT

Approximately 15 minutes.

3.4. CREDIT

None.

4. REMARKS

NOTE:

- All measures must be carried out by a certified engine station and certified engine mechanic.
- The accomplishment of the instructions shown under chapter 2.1 must be confirmed in the respective engine logbook.
- The accomplishment of the instructions must be carried out within the time of compliance according chapter 1.4.
- In case of doubt please contact the Austro Engine GmbH – After Sales Support (e-mail: service@austroengine.at; Tel: +43 2622 23000 2525).

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5. EXPLANATORY NOTES

5.1. SYMBOL EXPLANATION



WARNING: Disregarding these safety rules can cause personal injury or even death



CAUTION: Disregarding these special instructions and safety measures can cause damage to the engine or other components.



NOTE: Additional note or instruction for better understanding of an instruction

6. APPENDIX

- Execution Report

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**EXECUTION REPORT
TO
SERVICE BULLETIN MSB-E4-003/22**

ENGINE DATA

Engine Serial Number: _____

Airplane Registration: _____

SW Version before Update: _____

SW Version after Update _____

Engine operating hours: _____

Date of exchange: _____

Date, Name, Signature

Please send the completed form to Fax No.: +43(0)2622-23000-2711 or e-mail to service@austroengine.at.

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