



Service Bulletin
No. MSB-E4-003/27

Austro Engine GmbH
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MANDATORY SERVICE BULLETIN

No. MSB-E4-003/27
SUPERSEDES SB No. MSB-E4-003/26

Distribution:	Portal
Date:	31-Aug-2022

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:** Before any software updates of the ECU, it is mandatory to check and obey the corresponding aircraft manufacturer service bulletins.

1.4. TIME OF COMPLIANCE


Within the next 100 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-E4-003/26 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
Operation Manual E4P – Doc. No.: E4.01.02, latest effective issue

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1.6. OTHER PUBLICATIONS AFFECTED

None.

2. TECHNICAL DETAILS

2.1. ACCOMPLISHMENT / INSTRUCTIONS

Make sure that the EECU software version of your engine 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.

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 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 or later 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 76-10-00 para 2.A - EECU Software Update.

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: VCaa_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_07_25 (E4A-92-200-000-AD2)	E4A-92-100-000-02()* and later
	E4-B	E4-B-00001 and subsequent	VC33_0_07_25 (E4B-92-200-000-AD2)	E4A-92-100-000-02()* and later
	E4-C	E4-C-00001 and subsequent	VC33_2_07_25 (E4C-92-200-000-AD2)	E4A-92-100-000-02()* and later
	E4P-B	E4P-B-00001 and subsequent	VC33_0P_06_21 (E4PB-92-200-000-AA2)	E4A-92-100-000-02()* and later
	E4P-C	E4P-C-00001 and subsequent	VC33_2P_07_25 (E4PC-92-200-000-AD2)	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-AB1)	E4A-92-100-000-02()* and later
	E4-B	E4-B-00001 and subsequent	VC33_0_07_25_D (E4B-92-300-000-AB1)	E4A-92-100-000-02()* and later
	E4-C	E4-C-00001 and subsequent	VC33_2_07_25_D (E4C-92-300-000-AB1)	E4A-92-100-000-02()* and later
Compatible and approved 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-C	E4P-C-00001 and subsequent	VC33_2P_06_21 (E4PC-92-200-000-030)	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.


2.2. ILLUSTRATIONS

None.

2.3. MASS (WEIGHT)

Not affected.

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2.4. APPROVAL STATEMENT

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

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: support@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-E4-003/27**

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 support@austroengine.at

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