

MANDATORY SERVICE BULLETIN

MSB 42NG-002/23

SUPERSEDES MSB 42NG-002/22

I TECHNICAL DETAILS

I.1 Category

Mandatory.

I.2 Airplanes affected

Type: DA 42 NG, DA 42 M-NG

Serial Numbers: 42.009, 42.339, 42.379,
42.N001 and subsequent,
42.NC001 and subsequent,
42.NW002 and subsequent,
42.MN001 and subsequent,
42.MNW001 and subsequent,
All DA 42 NG converted via OSB 42-068,
All DA 42 M-NG converted via OSB 42-081

I.3 Time of Compliance

At next scheduled 100 hours inspection from the issue date of this SB.

NOTE: Prior compliance with MSB 42NG-002 through MSB 42NG-002/21 does not constitute compliance with this MSB.

I.4 Subject

Software for E4-B and E4-C (AE300) Engine, approved versions.

I.5 Reason

Summary of approved software versions for E4-B and E4-C (AE300) Engine.

I.6 Concurrent Documents

Austro Engine GmbH Mandatory Service Bulletin MSB E4-003, latest effective issue.

I.7 Approval

The technical information or instructions contained in this document relate to the Design Change Advisories No. VÄM 42-004, MÄM 42-351, 42-381, MÄM 42-417, MÄM 42-428, MÄM 42-513, MÄM 42-581, MÄM 42-672, MÄM 42-675, MÄM 42-783, MÄM 42-808, MÄM 42-864, MÄM 42-870, MÄM 42-938/a, MÄM 42-956, MÄM 42-998, MÄM 42-1012, MÄM 42-1140, MÄM 42-1174, MÄM 42-1240, MÄM 42-1275 and OÄM 42-251/b which have been approved under the authority of the DOA ref. EASA.21J.052 or by EASA.

The technical content of this document has been approved under the authority of the DOA ref. EASA.21J.052.

I.8 Accomplishment/Instructions

Compare installed software version with the version stated in this section of the service bulletin.

If the installed software version is not listed in the table below, thus no longer approved, update the software i.a.w. the procedures given in AE MSB E4-003, latest effective issue. An update to a later approved software version listed in the table below may be done on every aircraft. Update the software i.a.w. the procedures given in AE MSB E4-003, latest effective issue.

Engine Model	Engine S/N	Software	HW-Version as displayed by AE300 Wizard	Remarks
E4-B	E4-B-00001 and subsequent	VC33_0_07_26 For EECU Rev. up to AC1	AA up to AE	1) Not approved if OÄM 42-251 "Diesel Operation" is installed. See below. 2) TR-MÄM-42-938/a and TR-MÄM-42-973 must be incorporated into the AFM Doc. No. 7.01.15-E or the AFM Revision in which this TR has been incorporated to must be used.
		VC33_0_07_26-01 For EECU Rev. AD1 and later	AF and later	
E4-C	E4-C-00001 and subsequent	VC33_2_07_26 For EECU Rev. up to AC1	AA up to AE	1) Not approved if OÄM 42-251 "Diesel Operation" is installed. See below. 2) TR-MÄM-42-938/a and TR-MÄM-42-973 must be incorporated into the AFM Doc. No. 7.01.16-E or the AFM Revision in which this TR has been incorporated to must be used.
		VC33_2_07_26-01 For EECU Rev. AD1 and later	AF and later	
If OÄM 42-251 "Diesel Operation" is installed, only the following software versions are approved:				
E4-B	E4-B-00001 and subsequent	VC33_0_06_24_D For EECU Rev. up to AC1	AA up to AE	Retrofit installation only via OSB 42NG-042
E4-C	E4-C-00001 and subsequent	VC33_2_06_24_D For EECU Rev. up to AC1	AA up to AE	Retrofit installation only via OSB 42NG-042

CAUTION: Regardless of the information given in AE MSB E4-003, only the above mentioned software is approved for use in the DA 42 NG and DA 42 M-NG.

NOTE: EECU software update to version VC33_x_0x_26 or later can only be performed with AE300 Wizard 1.3.18.450 or later version. It is necessary to upgrade to this AE300 Wizard version before starting the EECU software update.

NOTE: Terminate AE300 Wizard after each EECU to prevent possible error messages.

I.9 Mass (Weight) and CG

n. a.

II PLANNING INFORMATION**II.1 Material & Availability**

Software and concurrent documents can be obtained through Austro Engine.

II.2 Special Tools

n. a.

II.3 Labor effort

Appr. 15 min

II.4 Credit

n. a.

II.5 Reference Documents

n. a.

III REMARKS

1. All work must be done by a certified aircraft maintenance station or a certified aircraft maintenance mechanic.
2. Completion of all work must be confirmed in the log book.
3. In case of doubt, contact Diamond Aircraft Industries.
4. The content of this MSB is mandatory in accordance with EASA TCDS EASA.A.005 and EASA.A.513.