

MANDATORY SERVICE BULLETIN

MSB 42NG-002/20

SUPERSEDES MSB 42NG-002/19

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
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-002/19 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 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	Remarks
E4-B	E4-B-00001 and subsequent	VC33_0_07_25	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.
E4-C	E4-C-00001 and subsequent	VC33_2_07_25	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.
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	Retrofit installation only via OSB 42NG-042
E4-C	E4-C-00001 and subsequent	VC33_2_06_24_D	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_21 or later can only be performed with AE300 Wizard 1.3.2.417 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.