
MANDATORY SERVICE BULLETIN NO. MSB 40NG-002 REV. 18
SUPERSEDES MSB 40NG-002 REV. 17

I TECHNICAL DETAILS

I.1 Category

Mandatory.

I.2 Airplanes Affected

Model: DA 40 NG

Serial Numbers: D4.111, D4.365
40.N001 and subsequent
40.NC001 and subsequent
40.NS001 and subsequent
40.NF001 and subsequent
All DA 40 NG converted using OSB D4-080

I.3 Date of Effectivity

21 September 2023.

I.4 Time of Compliance

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

NOTE: Prior compliance with MSB 40NG-002 Rev. 0 through MSB 40NG-002 Rev. 17 does not preclude compliance with this MSB.

I.5 Subject

Software for E4-A (AE300) Engine, approved versions.

I.6 Reason

Summary of approved software versions for E4-A (AE300) Engine.

I.7 Concurrent Documents

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

I.8 Approval

The technical information or instructions contained in this document relate to the Design Change Advisories No. VÄM 40-004, MÄM 40-411, MÄM 40-513, MÄM 40-556, MÄM 40-609, MÄM 40-705, MÄM 40-730, MÄM 40-775, MÄM 40-782, MÄM 40-849, MÄM 40-876, MÄM 40-854/a, OÄM 40-370/a, MÄM 40-1024, MÄM 40-1080/a, MÄM 40-1137, MÄM 40-1172.

The technical content of this document is approved as part of the type design.

I.9 Accomplishment/Instructions

Compare the 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 any aircraft. Update the software i.a.w. the procedures given in AE MSB E4-003, latest effective issue.

Engine Model	Engine S/N	Software	Hardware-Version as displayed by AE300 Wizard	Remarks
E4-A	E4-A-00001 and subsequent	VC33_1_07_26	AA up to AE	1. Not approved if OÄM 40-370 "Diesel Operation" is installed. See below. 2. TR-MÄM 40-838 must be incorporated into the AFM Doc. No. 6.01.15-E, or the AFM Revision in which this TR has been incorporated to must be used.
		VC33_1_07_26-01	AF and later	
If OÄM 40-370 "Diesel Operation" is installed, only the following software versions are approved:				
E4-A	E4-A-00001 and subsequent	VC33_1_05_18_D	AA up to AE	OAM 40-370 is compatible only with hardware versions up to version AE as displayed by AE300 Wizard.

CAUTION: REGARDLESS OF THE INFORMATION GIVEN IN AUSTRO ENGINE MSB E4-003, ONLY THE ABOVE LISTED SOFTWARE IS APPROVED FOR USE IN THE DA 40 NG.

NOTE: EECU software update to version VC33_1_07_26 and VC33_1_07_26-01 or later can only be performed with AE300 Wizard 1.3.20.451 or later version. It is necessary to upgrade to this AE300 Wizard version before starting the EECU software update.

I.10 Mass (Weight) and CG

The change in mass and CG is negligible.

II PLANNING INFORMATION

II.1 Material and Availability

Software and concurrent documents can be obtained through Austro Engine.

II.2 Special Tools

- AE300 Wizard Version 1.3.20.451 or later.
- Qualified-Maintenance USB dongle (order number IPEH-002021-QM).

II.3 Labour Effort

Approximately 15 minutes will be required to accomplish this service bulletin.

This estimate is for direct labour performed by a technician, and it does not include setup, planning, familiarization, cure time, part fabrication, or tool acquisition.

II.4 Credit

None.

II.5 Reference Documents

DA 40 NG Airplane Maintenance Manual, Doc. No. 6.01.15, latest effective issue.

III REMARKS

1. All work must be done by a certified aircraft service station or a certified aircraft maintenance mechanic.
2. Completion of all work must be recorded 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.022, EASA TCDS EASA.IM.A.022, and TCCA TCDS A-224.

To obtain satisfactory results, procedures specified in this service bulletin must be accomplished in accordance with accepted methods and current government regulations. Diamond Aircraft cannot be responsible for the quality of work performed in accomplishing the requirements of this service bulletin. Diamond Aircraft reserves the right to void continued warranty coverage in the area affected by this service bulletin if it is not incorporated.

If you no longer own the aircraft to which this service bulletin applies, please forward it to the current owner, and send the name of the current owner to Diamond Aircraft at the address below.

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**EXECUTION REPORT TO
SERVICE BULLETIN
MSB 40NG-002 REV. 18**

AIRPLANE DATA

Airplane serial number _____

Airplane registration _____

Airplane operator _____

Hours of operation of airplane (TSN) _____

Typical operation of airplane private, club, training, other: _____

MAINTENANCE DATA

Date of maintenance _____

Maintenance carried out by _____

During scheduled inspection? Yes No

Name _____ Signature _____ Date _____

Please e-mail the completed form to Techpubs@diamondaircraft.com.