

# AIRCRAFT TECHNICAL RECORD

Section 2. INSTALLATIONS & MODIFICATIONS LOG

## INSTALLATIONS & MODIFICATIONS

1. Nationality and Registration: N226DA
2. Manufacturer's Designation: DA 40 NG
3. Record of:
  - a. Engine Installations
  - b. Propeller Installations
  - c. Airworthiness Directives (A/D)
  - d. Service Bulletins (S/B)
  - e. Special Inspections (S/I)
  - f. Modifications (MODS)



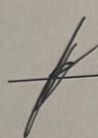
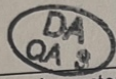
Section 2A: Record of Engine & Propeller Installation



DIAMOND AIRCRAFT INDUSTRIES INC.  
D.O.T. APPROVED MANUFACTURER #161-93

Registration: N226DA  
AC Serial Number: 40.NC126  
Engine Serial Number: E4-A-05091  
Prop Serial Number: 201372  
Airframe Total Time: 3.1 HRS

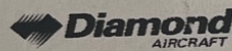
- Austro Engines GmbH E4-A Engine, S/N: E4-A-05091 installed 'New'.
- MT-Propeller Entwicklung GmbH MTV-6-R/190-69 Propeller, S/N: 201372 installed 'New'.

   
Inspector

FEB 05 2021

Date

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DIAMOND AIRCRAFT IND.  
D.O.T. APPROVED  
MAINTENANCE  
ORGANIZATION 161-93

Diamond Aircraft Work Order: SO 072913

Registration: N226DA  
AC Serial Number: 40.NC126  
Airframe Total Time: 3.1 hrs  
Engine SN: E4-A-05091  
Engine TT: 3.1 hrs  
Prop SN: 201372  
Prop TT: 3.1 hrs

The Following Maintenance was Performed:

- Engine oil pump PN: E4A-50-000-BHY SN: 0394 replaced IAW EASA AD No: 2021-0055-E and Austro Engine MSB-E4-030/2. New oil pump PN: E4A-50-000-000 installed. Engine ground run and leak check carried out, found serviceable.
- Prop governor speed stop adjusted 3/8 turn out.
- Re torqued fuel filter housing fittings.
- Fuel filter PN: WK724\_3 replaced

The Maintenance Described has been performed IAW the Applicable Standard of Airworthiness

ACA:



END.

Date:

MAR 03 2021



www.maydayavionics.com

5200 44th St. SE, Gerald R. Ford International Airport, Grand Rapids, MI 49512 616-957-1920

DATE	7-22-2021	S.O.	63653
MAKE	Diamond	N#	N226DA
MODEL	DA 40 NG	S/N	40.NC126
HOURS	79.0		

LICENCE:  
AME or  
AMO/ACA

Installed a Garmin Flight Stream 510 Multi-Media Card (MMC), S/N 402015472 for the Garmin G1000 NXi System. Enabled FS 510 operation and performed system ground operation checks – no discrepancies noted.

- o Work performed IAW the Diamond Service Bulletin No.: OSB 40NG-069, Rev 0 and Work Instructions No.: WI-OSB 40NG-069, Rev 0.

All items were ground checked in accordance with their respective manuals for proper operation and to ensure no adverse reactions occurred to other onboard systems or equipment. The above work was performed in accordance with current FAA regulations and in respect to work performed on the aircraft identified above is approved for return to service.

*[Handwritten Signature]*

FOR FAA CRS YXXR387Y

1. Approving Civil Aviation Authority/Country:  
FAA/United States

2. **AUTHORIZED RELEASE CERTIFICATE**  
FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number:  
193865496-1

4. Organization Name and Address: GARMIN International 1200 E. 151st St. Olathe, KS 66062  
Certificate Number PT3742CE

5. Work Order/Contract/Invoice Number: 193865496

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	Flight Stream 510, Standard	010-01322-01 Includes 011-03595-00	1	402015472	New

12. Remarks:  
Airworthiness Approval  
TSO C113a

13a. Certifies the items identified above were manufactured in conformity to:

Approved design data and are in a condition for safe operation.  
 Non-approved design data specified in Block 12.

14a.  14 CFR 43.9 Return to Service  Other regulation specified in Block 12

Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

13b. Authorized Signature:  
*Alice F. Inch*

13c. Approval/Authorization No.:  
ODA-240087-CE

14b. Authorized Signature:

14c. Approval/Certificate No.:

13d. Name (Typed or Printed):  
Alice F. Inch

13e. Date (dd/mmm/yyyy):  
14/Jul/2021

14d. Name (Typed or Printed):

14e. Date (dd/mmm/yyyy):

**User/Installer Responsibilities**

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.