

AIRCRAFT TECHNICAL RECORD

Section 1. AIRFRAME LOG

CALIBRATION CARD ALTIMETER

P/N: 5934PD-3

C/N: A.250

S/N: 522550

Standard Alt (Ft)	Alt Reading (Ft) @ Room Temp	Standard Alt (Ft)	Alt Reading (Ft) @ Room Temp
-1,000	-1000	14,000	13970
0	10	16,000	15960
500	520	18,000	17950
1,000	1020	20,000	19950
1,500	1520	22,000	
2,000	2020	25,000	
3,000	3010	30,000	
4,000	4010	35,000	
6,000	6005	40,000	
8,000	7995	45,000	
10,000	9980	50,000	
12,000	11980		

Date: 24/FEB/2023

Tested By:

116
AV

Inspected By:

DA
Q 50

Diamond Aircraft Industries
Reference QP-05-08-113

AIRCRAFT

- | | |
|---|----------|
| 1. Nationality and Registration: | N301MJ |
| 2. Manufacturer's designation: | DA 40 NG |
| 3. Manufacturer's Serial Number: | 40.NC229 |
| 4. Type Approval or Specification Number: | A47CE |
| 5. Date of Manufacture: | 2023, |
| 6. Aircraft Inspections cycle: | |



Section 1: Airframe Log



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

Registration: N301MJ
AC Serial Number: 40.NC229
Engine Serial Number: E4-A-06438
Prop Serial Number: 220547
Airframe Total Time: 3.2 HRS

- Total Time Airframe Brought forward from Flight Test Journey Log (DAI - Form Q-157): 3.2 HRS

- Compass Swing Performed:

- Date: MARCH 22 2023
- Next Due: MARCH 2024

FOR	N	30	60	E	120	150
STEER	360	030	060	091	122	152
FOR	S	210	240	W	300	330
STEER	181	209	238	270	300	330

- Static Pressure system and Primary Altimeter (G1000) have been inspected and tested in accordance with CAR Standard 571, Appendix B and 14 CFR 91.411:

- Test Date: MARCH 08 2023
- Next Due: MARCH 2025

- Stand By Altimeter:

- Factory Test Date: FEBRUARY 24 2023
- Next Due: FEBRUARY 2025

- ATC Transponder & Altitude Reporting System(s) have been tested in Accordance with CAR Standard 571, Appendix F and 14 CFR 91.217: & 91.413:

- Test Date: MARCH 08 2023
- Next Due: MARCH 2025
- Programmed Registration: N301MJ
- Hex Code: N/A (U.S. Registration)

- The ELT was tested and inspected in Accordance with CAR Standard 571, Appendix G and 14 CFR 91.207(d)

- Manufacturers Cert. date: 20/ 2022 (WW/YY)
- Installation Inspected: MARCH 28 2023
- Battery due: JULY 2028
- Next ELT inspection due: MARCH 2024
- ELT Programmed:
 - REG: N301MJ
 - HEX: N/A
 - Country: 366 (USA)
 - Beacon ID: ADC6499035D9FA1

- Emergency Battery Pack: Replacement Due Date: FEBRUARY 2025

- Garmin G1000 NXi Installation:

- Software System: 1669.12
- Checklist File: N/A
- Basemap Land 5.20
- SafeTaxi Data: 20-APR-2023
- Terrain Data: 3.00
- Obstacle Data: Expires 20-APR-2023
- Navigation Data: Expires 20-APR-2023
- Apt Directory: Expires 20-APR-2023
- ChartView Data: N/A
- FliteCharts Data: Expires 20-APR-2023
- IFR/VFR charts: Date: 23-FEB-2023


Inspector

MAR 31 2023

Date

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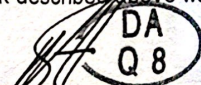
DIAMOND AIRCRAFT INDUSTRIES INC.
D.O.T. APPROVED MANUFACTURER #161-93

Registration: N301MJ
AC Serial Number: 40.NC229
Engine Serial Number: E4-A-06438
Prop Serial Number: 220547
Airframe Total Time: 3.2 HRS

- Following limitations as per DA 40 AMM Chapter 4 (subject to change with revision):

Component	Hours	Years	Next Due:
Essential Bus	1000	-N/A-	1000 hrs
Pitot-Static System	1000	2	1000 hrs or MAR 2025
Bonding System	1000	-N/A-	1000 hrs
Emergency Battery Pack	-N/A-	2	FEBRUARY 2025
ECU Backup Battery	-N/A-	1	MARCH 2024

- The following STC's are incorporated:
 - FAA STC No. SA03366NY (Beringer wheel and brake system)
- THIS AIRCRAFT WAS INSPECTED FOR CONFORMITY TO APPLICABLE COMPANY RELEASED DOCUMENTS (DRAWINGS, SPECIFICATIONS, CONCESSIONS).
- I HEREBY CERTIFY THAT THIS AIRCRAFT CONFORMS TO FAA TYPE CERTIFICATE A47CE Rev No. 17, AND IS IN A FIT AND SAFE STATE FOR FLIGHT.
- Bi-weekly AWD check carried out to current revision 2023-07 all applicable AD's complied with, see attached.
- The work described above was carried out IAW the applicable Standard of Airworthiness.


Inspector

MAR 31 2023

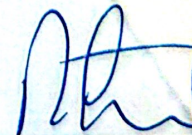
Date

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U.S. Standard Airworthiness Certificate, issued:

(Date) APR 04 2023, has been installed in the
Aircraft on behalf of FAA Farmingdale/Saddle Brook MIDO
Section AIR-8A5 on:

(Date) APR 04 2023

(Print) R. Galton (Signature) 



Section 1: Airframe Log

DATE / /	AIR TIME				LANDINGS / CYCLES		DETAILS OF TASK (INSPECTION, REPAIRS & REPLACEMENT)
	DAILY TOTAL		TOTAL		DAILY TOTAL	TOTAL	
	HRS	MIN	HOURS	MIN			
CARRIED FORWARD							



AMO 161-93

Aircraft Reg: N301MJ
Work Order: SO074138

Date: April 13, 2023

Airframe	Diamond	DA40NG	40.NC229	Airframe TTSN:	3.2 Hrs.
Engine	Austro	E4-A	E4-A-06438	TSN:	3.2 Hrs.
Propeller	MT	MTV-6-R/190-69	220547	TSN:	3.2 Hrs.

The following maintenance was carried out:

- Cosmetic detailing carried out as required.
- RH wingtip removed and reinstalled to facilitate Cosmetic work.

THE MAINTENANCE DESCRIBED HAS BEEN PERFORMED IAW THE APPLICABLE STANDARDS OF AIRWORTHINESS

Signature

Stamp



3330 AIRPORT LOOP
SALISBURY, NC 28147
OFFICE: 704-431-6862
INFO@SOUTHTECAVIATION.COM

DATE: JANUARY 22, 2024 | DIAMOND DA40 NG | S/N: 40.NC229 | REG: N301MJ
TACH: 25.2HRS. TTAF: 25.2 HRS.

- > REMOVED WATER FROM FUEL SYSTEM.
- > RESEALED LEFT AND RIGHT FUEL CAP TO TANK CONNECTIONS AND REPLACED O-RINGS.
- > ADJUSTED FUEL CAP.

I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

TIMOTHY D JORDAN

A&P/IA 3264477

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