

# AIRCRAFT TECHNICAL RECORD

## Section 1. AIRFRAME LOG

## **AIRCRAFT**

- |   |         |
|---|---------|
| 1. Nationality and Registration:          | N481SA  |
| 2. Manufacturer's designation:            | DA20-C1 |
| 3. Manufacturer's Serial Number:          | C0768   |
| 4. Type Approval or Specification Number: | TA4CH   |
| 5. Date of Manufacture:                   | 2025    |
| 6. Aircraft Inspections cycle:            |         |



Section 1: Airframe Log



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

Registration: N481SA  
A/C Serial Number: C0786  
Engine Serial Number: 1048950  
Prop Serial Number: 24022  
Airframe Total Time: 3.8 HRS

- Total Time Airframe Brought forward from Flight Test Journey Log (DAI - Form Q-156): 3.8 HRS
- Ballast weight in Tail Skeg installed: 7.70 lbs
- Compass Swing Performed:

- Test Date: JULY 03 2025
- Next Due: JULY 2026

FOR	N	30	60	E	120	150
STEER	003	032	061	088	118	150
FOR	S	210	240	W	300	330
STEER	180	212	240	269	297	330

- Static Pressure system has been inspected and tested in accordance with Standard 571, Appendix B of the
- Airworthiness Manual and 14 CFR 91.411
  - Test Date: JUNE 11 2025
  - Next Due: JUNE 2027
- ATC Transponder & Altitude Reporting System(s) have been tested in accordance with Standard 571, Appendix F of the Airworthiness Manual and 14 CFR 91.217: & 91.413
  - Test Date: JUNE 11 2025
  - Next Due: JUNE 2027
- ATC Transponder Programmed with:
  - REG: N481SA
  - HEX CODE: N/A
- The ELT was tested and inspected in accordance with CAR Standard 571, Appendix G and 14 CFR 91.207(d):
  - Manufacturers Cert. date: 32/24 (WW/YY)
  - Installation Inspected: AUGUST 11 2025
  - Battery due: NOVEMBER 2030
  - Next ELT inspection due: AUGUST 2026
  - ELT Programmed:
    - REG: N481SA
    - Country Code: 366 (USA)
    - HEX Code: N/A (U.S. Registration)
    - Beacon ID: ADC6498A31DD381
- Garmin G500 TXi:
  - Software version: 3.72
  - Navigation: 2508, Expires 04-SEP-25
  - Basemap: 25M1
  - Obstacle/HOT: 25B4, Expires 02-OCT-25
  - Terrain: 20T1
  - SafeTaxi: 25S4, Expires 02-OCT-25
  - Airport Directory: 25D4, Expires 2-OCT-25
  - FliteCharts: 2508, Expires 04-SEP-25
- Garmin GTN 650
  - Garmin GTN 650 SW Version: 20.42
  - Garmin GTN 650 GPS Version: 8.6
  - Garmin GTN 650 Navigation: 2508, Current until 04-SEP-25
  - Garmin GTN 650 Basemap: 25M1
  - Garmin GTN 650 Obstacles/HOT: 25B4, Current until 02-OCT-25
  - Garmin GTN 650 SafeTaxi: 25S4, Current until 02-OCT-25
  - Garmin GTN 650 Terrain: 20T1
  - Garmin GTN 650 FliteCharts: 2508, Current until 04-SEP-25
  - Garmin GTN 650 Airport DIR 25D4, Current until 02-OCT-25
- Garmin GTR 225A
  - Garmin GTR 225 SW VER: 3.02
  - Garmin GTR 225 AVN DB: 7-AUG-25 (2508)
  - Garmin GTR 225 DB REGION: GTR

DA  
Q 8  
Inspector

AUG 12 2025  
date

(Continued next page)



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

Registration: N481SA  
A/C Serial Number: C0786  
Engine Serial Number: 1048950  
Prop Serial Number: 24022  
Airframe Total Time: 3.8 HRS

- Following limitations as per DA20-C1 AMM Chapter 4 (subject to change with revision):

Component	Hours	Years	Next Due
Rudder Control Cables	3000 hours	10 years	3000 hrs. or AUGUST 2035

- The following STC's are incorporated:

- FAA STC SA03373AT (MT-Propeller)
- FAA STC SA02571SE (Garmin G500/G600 TXi)
- FAA STC SA02019SE-D (Garmin GTN 6XX/7XX and GTN Xi Series Navigation System)
- FAA STC SA02658SE (Garmin GI 275 Multi-Function Display system)
- FAA STC SA01714WI (Garmin GTX 345/345R/345D/345DR with ADS-B Out and In functionality)

- THIS AIRCRAFT WAS INSPECTED FOR CONFORMITY TO APPLICABLE COMPANY RELEASED DOCUMENTS (DRAWINGS, SPECIFICATIONS, CONCESSIONS).
- I HEREBY CERTIFY THAT THIS AIRCRAFT CONFORMS TO TYPE CERTIFICATE: FAA TA4CH Revision No.: 17 AND IS IN A FIT AND SAFE STATE FOR FLIGHT.
- Bi-weekly AWD check carried out to current revision 2025-16 all applicable AD's complied with, see attached.
- The work described above was carried out in accordance with the applicable Standard of Airworthiness.
- For the latest and most applicable maintenance requirements, please refer to the Diamond Aircraft Maintenance Manual (AMM).

  
Inspector

AUG 12 2025  
date

(Intentionally left blank below this point)

U.S. Standard Airworthiness Certificate, issued:


(Date) AUG 14 2025, has been installed in the  
Aircraft, on behalf of FAA Farmingdale Certificate Management  
Section AIR-855, on:

(Date) AUG 14 2025

(Print) R. Salton (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 							



Aircraft Reg: N481SA  
Work Order: S0075511

Date: August 18, 2025

AMO 161-93			SN		
	Make	Model		TSN:	
Airframe Engine Prop	Diamond	DA20-C1	C0786		
	Continental	IO-240-B	1048950	TSN:	3.8 Hrs.
	MT-Propeller	MT 175 R 150-2Ca	24022	TSN:	3.8 Hrs.

The following work was performed:

- Canopy glare shield installed.
- Upper and lower engine cowlings installed.
- Aircraft interior and exterior cleaned and detailed for delivery.

The maintenance described above has been performed in accordance with the applicable standards of airworthiness.

**Signature:**

**ACA:**

[illegible]

CARRY FORWARD to Top of Next Page