

AIRCRAFT TECHNICAL RECORD

Section 1. AIRFRAME LOG

CALIBRATION CARD ALTIMETER

P/N: 5934PD-3

C/N: A.250

S/N: 519016

Standard Alt (Ft)	Alt Reading (Ft) @ Room Temp	Standard Alt (Ft)	Alt Reading (Ft) @ Room Temp
-1,000	-15	14,000	-25
0	-5	16,000	-25
500	-5	18,000	-5
1,000	+5	20,000	+5
1,500	-5	22,000	
2,000	0	25,000	
3,000	0	30,000	
4,000	-5	35,000	
6,000	-15	40,000	
8,000	-25	45,000	
10,000	-30	50,000	
12,000	-30		

Date: 6-15-2020

Tested By:

Inspected By:

9
UI

AIRCRAFT

- | | |
|---|----------|
| 1. Nationality and Registration: | N1693V |
| 2. Manufacturer's designation: | DA 40 NG |
| 3. Manufacturer's Serial Number: | 40.NC113 |
| 4. Type Approval or Specification Number: | A47CE |
| 5. Date of Manufacture: | 2020 |
| 6. Aircraft Inspections cycle: | |



Section 1: Airframe Log



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

Registration: N1693V
AC Serial Number: 40.NC113
Engine Serial Number: E4-A-05034
Prop Serial Number: 200165
Airframe Total Time: 4.1 HRS

- Total Time Airframe Brought forward from Flight Test Journey Log (DAI - Form Q-157): 4.1 HRS

- Compass Swing Performed:

- Date: NOVEMBER 03 2020
- Next Due: NOVEMBER 2021

FOR	N	30	60	E	120	150
STEER	001	030	060	091	122	152
FOR	S	210	240	W	300	330
STEER	181	213	243	271	299	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: OCTOBER 14 2020
 - Next Due: OCTOBER 2022
- Stand By Altimeter:
 - Factory Test Date: JUNE 15 2020
 - Next Due: JUNE 2022
- 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: OCTOBER 14 2020
 - Next Due: OCTOBER 2022
 - Programmed Registration: N1693V
 - 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: 26/20
 - Installation Inspected: NOVEMBER 04 2020
 - Battery Expiry: AUGUST 2027
 - Next ELT inspection due: NOVEMBER 2021
 - ELT Programmed:
 - REG: N1693V
 - HEX: N/A
 - Country: 366 (USA)
 - Beacon ID: ADC6499D54342F1
- Emergency Battery Pack: Replacement Due Date: SEPTEMBER 2022
- Garmin G1000 NXi Installation:
 - Software System: 2948.11
 - Checklist File: N/A
 - Basemap Land 5.18
 - SafeTaxi Data: 31-DEC-2020
 - Terrain Data: 3.00
 - Obstacle Data: Expires 31-DEC-2020
 - Navigation Data: Expires 3-DEC-2020
 - Apt Directory: Expires 31-DEC-2020
 - FliteCharts Data: Expires 3-DEC-2020
 - IFR/VFR charts: Date: 5-NOV-2020


Inspector

NOV 05 2020

Date

(continued next page)



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

Registration: N1693V
AC Serial Number: 40.NC113
Engine Serial Number: E4-A-05034
Prop Serial Number: 200165
Airframe Total Time: 4.1 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 OCT 2022
Bonding System	1000	-N/A-	1000 hrs
Emergency Battery Pack	-N/A-	2	SEPT 2022
ECU Backup Battery	-N/A-	1	OCT 2021

- The following STC's are incorporated:
 - No STC's installed.
- 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. 16, AND IS IN A FIT AND SAFE STATE FOR FLIGHT.
- Bi-weekly AWD check carried out to current revision 2020-22 all applicable AD's complied with, see attached.
- The work described above was carried out IAW the applicable Standard of Airworthiness.

[Signature]
Inspector

NOV 05 2020

Date

(Intentionally left blank below this point)

U.S. Standard Airworthiness Certificate, issued:

(Date) NOV 10 2020, has been installed in the
Aircraft on behalf of FAA Farmingdale/Saddle Brook MIDO
Section AIR-8A5 on:

(Date) NOV 10 2020

(Print) R. Salton (Signature) *[Signature]*





SPECIAL SERVICES CORPORATION

Date: 06/17/2021
Hobbs; 52.5
A/C TT: 52.5

N1693V
A/C Model: DA 40 NG
A/C S/N: 40.NC113

(PLACEMENT)

Removed the canopy's door light switch assembly. Reshaped the actuator tab and reinstalled the assembly.

Work was also performed by Harold Bekemeyer.
Ronald Allen Campbell A&P 001959044

Ronald Allen Campbell



SPECIAL SERVICES CORPORATION

Date: 07/19/2021
Hobbs;
A/C TT:

N1693V
A/C Model: DA 40 NG
A/C S/N: 40.NC113

Adjusted the passenger's door switch plate assembly.

Work was also performed by Harold Bekemeyer.
Ronald Allen Campbell A&P 001959044

Ronald Allen Campbell



SPECIAL SERVICES CORPORATION

Date: 01/01/2022
A/C TT: 53.0
hobbs: 80.5
tach: 53.0

N1693V
A/C Model: DA 40 NG
A/C S/N: 40.NC113

Using the Diamond Inspection Guide as a guide, performed an annual inspection in scope and detail of items according to FAR Part 43 Appendix D. Performed an annual inspection of the ELT in accordance with FAR91.207 (d). ELT battery due to be replaced by 08/31/2027. Performed a capacitance check of the main battery. Cleaned, inspected, and lubricated all wheel bearings. Replaced both Engine Control Unit backup batteries with new batteries, P/N NP7-12. All applicable airworthiness directives through 01/01/2022 have been reviewed and complied with.

Work was also performed by Aaron Bradstreet.

Ronald Allen Campbell

I certify that this aircraft has been inspected in accordance with an Annual Inspection and found to be in airworthy condition on this date. Ronald Allen Campbell, IA 1959044



SPECIAL SERVICES CORPORATION

Date: 02/04/2022
A/C TT: 54.6
hobbs:
tach: 54.6

N1693V
A/C Model: DA 40 NG
A/C S/N: 40.NC113

Using the Diamond Inspection Guide as a guide, performed an annual inspection in scope and detail of items according to FAR Part 43 Appendix D. Performed an annual inspection of the ELT in accordance with FAR91.207 (d). ELT battery due to be replaced by 08/31/2027. All applicable airworthiness directives through 02/04/2022 have been reviewed and complied with.

I certify that this aircraft has been inspected in accordance with an Annual Inspection and found to be in airworthy condition on this date. Ronald Allen Campbell, IA 1959044

FAA Approved repair station QCCR389K
 Altimeter Scale Error
 Correction Card

TEST PT(FT)	Indicator Reading at +25c	TEST	Indicator Reading at +25c
-1,000	-1000	30,000	
0	0	35,000	
500	500	40,000	
1,000	1000	45,000	
1,500	1500	50,000	
2,000	2000	55,000	
3,000	3000	60,000	
4,000	4000	70,000	
6,000	6000	80,000	
8,000	8000		
10,000	10,000		
12,000	12,000		
14,000	14,000		
18,000	16,000		
18,000	18,000		
20,000	20,000		
22,000			
25,000			

Altimeter
 Position
 Pilot ☐
 Copilot ☒

UT 5934PD-3
 ALT. S/N 519016
 DATE 10/27/2022

DOC# ECC123

STDBY

FAR 91.411

ALTIMETERS, ALTITUDE REPORTING EQUIPMENT AND STATIC PRESSURE SYSTEM HAVE BEEN CHECKED AND MEET ALL SPECIFICATIONS OF APPENDIX E OF PART 43

ALTIMETER CERTIFIED TO

LEFT	FEET	RIGHT	FEET
GDC 72	20,000'	UT 5934PD-3	20,000'
S/N: 458002690		S/N: 519016	
DATE: 10-27-2022	W/O 10927	INSPECTOR: Chris	10927
		CAROLINA AVIONICS GROUP, LLC	
		FAA APPROVED REPAIR STATION # QCCR-389K	

FAR 91.413

THE ATC TRANSPONDERS AND INSPECTIONS AS REQUIRED BY FAR 91.413 WERE PERFORMED THIS DATE AND FOUND TO COMPLY WITH PART 43 APPENDIX F, AND APPENDIX E PARAGRAPH C.

TRANSPONDER MAKE:	MODEL:	S/N:	TRANSPONDER MAKE:	MODEL:	S/N:
#1	Garm, n	GTX345	#2	JEH027942	
DATE: 10-27-2022	W/O 10927	INSPECTOR: Chris			
		CAROLINA AVIONICS GROUP, LLC			
		FAA APPROVED REPAIR STATION # QCCR-389K			



SPECIAL SERVICES CORPORATION

Date: 10/27/2022
 A/C TT: 89.4
 hobbs: 130.0
 tach: 89.4

Replaced the Emergency Battery Assembly with a new Assembly, P/N DA4-2560-91-00 (S/N RC2206664 [1]).
 Work was also performed by Aaron Bradstreet.
 Ronald Allen Campbell, A&P 1959044

Ronald Allen Campbell



SPECIAL SERVICES CORPORATION

Date: 01/16/2023
 A/C TT:
 hobbs:
 tach:

N1693V
 A/C Model: DA 40 NG
 A/C S/N: 40.NC113

Replaced both of the Engine Control Unit backup batteries with new batteries, P/N NP7-12.
 Work was also performed by Sergei Vlasenko.
 Ronald Allen Campbell, A&P 1959044

Ronald Allen Campbell

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							



SPECIAL SERVICES CORPORATION

Date: 03/13/2023

A/C TT: 53.0

hobbs: 140.4

tach: 95.3

N1693V

A/C Model: DA 40 NG

A/C S/N: 40.NC113

Using the Diamond Inspection Guide as a guide, performed an annual inspection in scope and detail of items according to FAR Part 43 Appendix D. Performed an annual inspection of the ELT in accordance with FAR91.207 (d). ELT battery due to be replaced by 08/31/2027. Performed a capacitance check of the main battery. Cleaned, inspected, and lubricated all wheel bearings. All applicable airworthiness directives through 03/12/2023 have been reviewed and complied with.

Work was also performed by Aaron Bradstreet and Sergey Vlasenko

I certify that this aircraft has been inspected in accordance with an Annual Inspection and found to be in airworthy condition on this date.

Travis Thompson IA 3528792

[Signature]



SPECIAL SERVICES CORPORATION

Date: 01/26/2024

A/C TT: 172.8

hobbs:

tach: 172.8

N1693V

A/C Model: DA 40 NG

A/C S/N: 40.NC113

Replaced the canopy and the passenger door locks with new locks, P/N: 3802-0022.

Work was also performed by Celine Robinson.

Ronald Allen Campbell, A&P 1959044

[Signature]



SPECIAL SERVICES CORPORATION

Date: 04/22/2024

A/C TT: 127.6

hobbs: 181.9

tach: 127.6

N1693V

A/C Model: DA 40 NG

A/C S/N: 40.NC113

Using the Diamond Inspection Guide as a guide, performed an annual inspection in scope and detail of items according to FAR Part 43 Appendix D. Performed an annual inspection of the ELT in accordance with FAR91.207 (d). ELT battery due to be replaced by 08/31/2027. Replaced both ECU batteries with new batteries, P/N NP7-12. Replaced the fuel filter with a new filter, P/N WK724/3. All applicable airworthiness directives through 04/22/2024 have been reviewed and complied with.

Work was also Celine Robinson, Christopher Nelson, and Mark Springer.

I certify that this aircraft has been inspected in accordance with an Annual Inspection and found to be in airworthy condition on this date. Ronald Allen Campbell, IA 1959044

Complied with AD 2023-20-03 paragraphs (g)(1). The effective date of this AD is 12/11/2023. This AD is due again by 1776 tach hours.



Date: 11/19/2024
A/C TT:
hobbs:
tach:

N1693V
A/C Model: DA 40 NG
A/C S/N: 40.NC113

3b

DENCE:
ME or
O/ACA

Replaced the emergency battery pack with a new pack, P/N DA4-2560-91-00 (S/N 2241200264).

Work was also performed by Travis Thompson..
Ronald Allen Campbell, A&P 1959044

Travis Thompson

TOUCH N GO AEROWORKS

Supplementary Logbook Entry Transponder Certification

Aircraft Registration # N1693V S/N: 40.NC113 Model: DA40NG

The transponder tests and inspections required by FAR 91.413 in accordance with FAR 43, Appendix F, have been performed.

Transponder # 1 Model: GTX345 P/N: 006-B1607-09 S/N 3EH027942

Transponder # 2 Model: _____ P/N: _____ S/N _____

Details of work performed are on file under Work Order: 24039

Inspector: *[Signature]* Date: 11-19-2024

FORM TNG 001 (Rev. 0)

F.A.A. REPAIR STATION: 4VER026D

TOUCH N GO AEROWORKS

Supplemental Logbook Entry Pitot Static System Certification

A/C Reg: N1693V S/N: 40.NC113 MODEL: DA40NG

Performed altimeter static system test and automatic pressure altitude reporting system and the following listed are found to comply with the requirements of FAR 91.411 IAW

Appendix E, Paragraph (a) 1-4.

Altimeter #1 P/N: _____ Model _____ S/N _____

Altimeter #2 P/N: _____ Model _____ S/N _____

ADC #1 P/N: 011-03734-00 Model GSU 75 S/N 455002690

ADC #2 P/N: _____ Model _____ S/N _____

STBY Alt: P/N: 5934PD-3 Model UNITED S/N 519016

Details of work performed are on file under Work Order: 24039

Inspector: *[Signature]* Date: 11-19-2024

FORM TNG 002 (Rev. 0)

F.A.A. REPAIR STATION: 4VER026D



SPECIAL SERVICES CORPORATION
THE QUALITY APPROACH TO PROFESSIONAL SERVICE

Date: 04/15/2025
A/C TT: 153.9
hobbs: 215.9
tach: 153.9

N1693V
A/C Model: DA 40 NG
A/C S/N: 40.NC113

(ENT)

Using the Diamond Inspection Guide as a guide, performed an annual inspection in scope and detail of items according to FAR Part 43 (as applicable). Performed an annual inspection of the ELT in accordance with FAR91.207 (d). ELT battery is due to be replaced by 08/31/2027. Replaced both ECU batteries with new batteries, P/N NP7-12. Replaced the fuel filter with a new filter, P/N WK724/3. Replaced the Engine Control Unit backup batteries with 2 new batteries, P/N NP7-12. Completed Mandatory Service Bulletin 40NG-084. Using 2 master cylinder repair kits (P/N P/N 199-516 (08-00353), rebuilt the L/H and the R/H brake master cylinders. Performed a capacity check of the main battery. The battery passed at 100%. Replaced the Nose Landing Gear stop plate and fork limiters with a new plate (P/N D41-3223-00-51) and 2 new limiters (P/N D44-3223-30-32_01). Airworthiness Directive 2022-13-06 is not applicable. Performed Airworthiness Directive 2016-23-03 by performing Mandatory Service Bulletin 40NG-046/2. The effective date of this AD is 11/29/2016. This AD is due again by 253.2 hours. All applicable airworthiness directives through 04/15/2025 have been reviewed and complied with. Work was also performed by Dan Ebersole, Mark Springer, and Christopher Nelson. I certify that this airframe has been inspected or repaired in accordance with current federal aviation regulation 43 (as applicable).

Travis Thompson, A&P and I/A 3528792

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TOTALS

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