

AIRCRAFT TECHNICAL RECORD

Section 1. AIRFRAME LOG

AIRCRAFT

- | | |
|---|----------|
| 1. Nationality and Registration: | N627PS |
| 2. Manufacturer's designation: | DA 40 NG |
| 3. Manufacturer's Serial Number: | 40.NC257 |
| 4. Type Approval or Specification Number: | A47CE |
| 5. Date of Manufacture: | 2023 |
| 6. Aircraft Inspections cycle: | |



Section 1: Airframe Log



DIAMOND AIRCRAFT INDUSTRIES INC.
DOT APPROVED MANUFACTURER #161-93

Registration: N627PB
AC Serial Number: 40 MC 257
Engine Serial Number: 1-A-00572
Prop Serial Number: 231261
Airframe Total Time: 12180%

- Total Time Airframe Brought forward from Flight Test Journey Log (DAI Form Q 157) 12180%

- Compass Swing Performed

1) Date: JULY 26 2023
2) Next Due: JULY 2024

PRO	N	30	60	1	120	180
STEER	001	012	062	092	122	151
PRO	5	210	240	W	300	110
STEER	180	208	217	264	300	111

- 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.

1) Test Date: JULY 05 2023
2) Next Due: JULY 2025

- Stand By Altimeter

1) Factory Test Date: JUNE 29 2023
2) Next Due: JUNE 2026

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

1) Test Date: JULY 10 2023
2) Next Due: JULY 2025
3) Programmed Registration: N627PB
4) Hex Code: N/A (US Registration)

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

1) Manufacturers Cert. date: 20/23 (WW/YY)
2) Installation Inspected: AUG 02 2023
3) Battery due: JULY 2029
4) Next ELT inspection due: AUG 02 2023
5) ELT Programmed:
• REG: N627PB
• HEX: N/A
• Country: 300 (USA)
• Beacon ID: ADC6490505C31741

- Emergency Battery Pack Replacement Due Date: JUNE 2025

- Garmin G1000 NXi Installation

1) Software System: 1669 12
2) Checklist File: N/A
3) Basemap: Land 5.20
4) Safe Taxi Data: 10 AUG 2023
5) Terrain Data: 3.00
6) Obstacle Data: Expires 10 AUG 2023
7) Navigation Data: Expires 10 AUG 2023
8) Apt Directory: Expires 10 AUG 2023
9) ChartView Data: N/A
10) FtteCharts Data: Expires 10 AUG 2023
11) BFRVER charts: Date: 13 JUL 2023



AUG 02 2023

Date

(Continued next page)



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

Registration: N627PS
AC Serial Number: 40 NC257
Engine Serial Number: E4-A-06577
Prop Serial Number: 231261
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 JULY 2025
Bonding System	1000	-N/A-	1000 hrs
Emergency Battery Pack	-N/A-	2	JUNE 2025
ECU Backup Battery	-N/A-	1	JULY 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 2023-16 all applicable AD's complied with, see attached.
- The work described above was carried out in accordance with the applicable Standard of Airworthiness.

[Signature]
DA
Q 8
Inspector

AUG 0 2 2023

Date

(Intentionally left blank below this point)

U.S. Standard Airworthiness Certificate, issued:

(Date) AUG 0 8 2023, has been installed in the
Aircraft on behalf of FAA Farmingdale/Saddle Brook MIDPORT -
Section AIR-8A5 on:

(Date) AUG 0 8 2023

(Print) R. Salton (Signature) *[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: N627PS
Work Order: 50074377

Date: August 24, 2023

AMD 161-93

	Model	Make	SN	TSN	3.2 Hrs.
Airframe	Diamond	DA40NG	40 NC257	TSN	3.2 Hrs.
Engine	Austro	E4-A	E4-A-06577	TSN	3.2 Hrs.
Propeller	MT-Propeller	MTV-6-R100-09	231261	TSN	3.2 Hrs.

The following work was performed:

- Passenger seat RH armrest covering PN: D44-2521-02-00 replaced
- Passenger seat, baggage extension, and fire extinguisher bracket removed and reinstalled to facilitate above work.
- Cosmetic detailing carried out as required.

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

Signature:

ACA:

MAKE: Diamond
MODEL: DA40NG
S/N: 40 NC257
REG NO: N627PS
WORK ORDER: 0984



Premier Aircraft Service, Inc.

3804 Falcon Way W
Hangar 185
Fort Worth, TX 76100
Phone: 562 881 5345

DATE: 4/4/2024
A/C TSN: 884
HOBBS: 110.4

Airframe Entries

- Bled brakes
- Replaced exterior vinyl stripes
- MSB62-002/21 (MSB-E4-003/30) updated FADEC software to VC33_02_26

DATE: 4/4/2024

SIGNED:

David Sealstead, License: AP3492477 IA

Work Order: 0984

Printed by EBIS 3 (d3comedia.com)

MAKE: Diamond
MODEL: DA40NG
S/N: 40 NC257
REG NO: N627PS
WORK ORDER: 0986



Premier Aircraft Service, Inc.

3804 Falcon Way W
Hangar 185
Fort Worth, TX 76100
Phone: 562 881 5345

DATE: 4/5/2024
A/C TSN: 884
HOBBS: 110.4

Airframe Entries

- Performed Class 4 composite repair to nose wheel pail

DATE: 4/5/2024

SIGNED:

David Sealstead, License: AP3492477 IA

Work Order: 0986

Printed by EBIS 3 (d3comedia.com)

9-1-2024 HOBBS 126.1 ACT 9A-16 DISPECT AND SERVICE
A/C DAW SERVICE MANUAL. THIS A/C HAS BEEN
DISPECTED DAW AND AIRFRAME DISPECTED
AND FOUND AIRWORTHY. I HAVE SIGNED IA

PAGE
TOTALS

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Take Flight Aviation LLC - 49 Hangar Road - Montgomery, NY 12549 - 8454574188

N627PS

Hobbs: 151.3

Diamond, DA40NG, S/N: 40.NC257

TACH: 117.1

December 20, 2024

1. Performed 100hr inspection checklist using Diamond DA40-NG Aircraft Maintenance Manual. Installed P/N E4A-52-000 - kit-100 hour.
2. All access panels opened, aircraft placed on jacks.
3. Lubricated all flight controls, and checked control cable tensions.
4. Removed wheel assemblies for inspection.
5. Inspected and reinstalled wheel bearing.
6. ELT P/N: A3-06-2749-1 S/N: 323-05827 inspected and tested I/A/W FAR 91.207 (d). Battery exp: 05/29.
7. Main battery removed, serviced, charged, and reinstalled. Inspected ECU backup batteries as required.
8. All routine service items performed.
9. Complied with Berlinger brake STC ICAs as required.
10. All applicable ADs checked bi-weekly thru this date.
11. Re-secured overhead map light as required.
12. Lubricated flight controls as required.
13. Re-secured headliner as required.
14. Lubricated flaps as required.
15. Removed and replaced back up ECU batteries with new as required. Installed (2) P/N NP7-12 F2 Terminal - NP7-12 F2 Terminal.
16. Re-torqued brake reservoir as required Installed P/N MIL-PRF-87257C - Hydraulic Fluid.

I certify that this airframe was inspected in accordance with a 100hr Inspection at Take Flight Aviation, LLC., and that this airframe has been determined airworthy and approved for return to service.

James T. Markey A&P 3166872

Airframe page 1 of 1



Take Flight Aviation LLC - 49 Hangar Road - Montgomery, NY 12549 - 8454574188

N627PS

Hobbs: 297.6

Austro, E4A, S/N: E4A-06577-BM

Tach: 213.7

Diamond, DA40NG, S/N: 40.NC257**February 03, 2025**

1. Performed 100hr inspection using Diamond DA40-NG Aircraft Maintenance Manual. Installed P/N E4A-52-000 - kit-100 hour.
2. All access panels opened, aircraft placed on jacks.
3. Lubricated all flight controls, and checked control cable tensions.
4. Removed wheel assemblies for inspection.
5. Inspected and reinstalled wheel bearing.
6. ELT inspected and tested I/A/W FAR 91.207 (d). ELT Arlex ELT1000 S/N: 323-05827 ELT battery P/N: 452-6504-1 Exp: 07/2029.
7. Main battery removed, serviced, charged, and reinstalled. Inspected ECU backup batteries as required.
8. All routine service items performed.
9. Complied with Berlinger brake STC ICAs as required.
10. All applicable ADs checked bi-weekly thru this date.

I certify that this Airframe was inspected in accordance with a 100hr inspection and approved for return to service.

Bryce Hetherly A&P 3959184

Airframe - page 1 of 1



Take Flight Aviation LLC - 49 Hangar Road - Montgomery, NY 12549 - 8454574188

N627PS

Hobbs: 361.2

Diamond, DA40NG, S/N: 40.NC257

Tach: 255.0

February 18, 2025

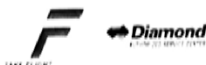
Removed and replaced RH and LH main gear tires with new as required. Installed (2) P/N 025-501-1 - MICHELIN 15X6.0-6 TL/TT 6 PLY 160 025-501-1.

Functional check of work completed satisfactory

James T. Markey A&P 3166872

Section 1: Airframe Log

Airframe page 1 of 1



Take Flight Aviation LLC · 49 Hangar Road · Montgomery, NY 12549 · 8454574188

N627PS

Diamond, DA40NG, S/N: 40.NC257

March 07, 2025

Hobbs: 436.9

Tach: 306.2

1. Performed 100hr inspection using Diamond DA40-NG Aircraft Maintenance Manual. Installed P/N E4A-52-000 - kit. 100 hour.
2. All access panels opened, aircraft placed on jacks.
3. Lubricated all flight controls, and checked control cable tensions.
4. Removed wheel assemblies for inspection.
5. Inspected and reinstalled wheel bearing.
6. ELT inspected and tested I/A/W FAR 91.207 (d). ELT S/N: 323-05827 battery S/N: 1001106-017 exp: 07/2029.
7. Main battery removed, serviced, charged, and reinstalled. Inspected ECU backup batteries as required.
8. All routine service items performed.
9. Complied with Beringer brake STC ICAs as required.
10. All applicable ADs checked bi-weekly thru this date.

I certify that this airframe was inspected in accordance with a 100hr Inspection and approved for return to service.

Bryce Hetherly A&P 3959164

Airframe (Annual) page 1 of 1



Take Flight Aviation LLC · 49 Hangar Road · Montgomery, NY 12549 · 8454574188

N627PS

Diamond, DA40NG, S/N: 40.NC257

April 24, 2025

Hobbs: 581.3

Tach: 404.9

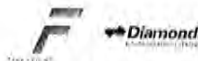
1. Performed 100hr inspection checklist using Diamond DA40-NG Aircraft Maintenance Manual. Installed P/N E4A-52-000 - kit-100 hour.
2. All access panels opened, aircraft placed on jacks.
3. Lubricated all flight controls, and checked control cable tensions.
4. Removed wheel assemblies for inspection.
5. Inspected and reinstalled wheel bearing.
6. ELT inspected and tested I/A/W FAR 91.207 (d). P/N: A3-06-2749-1 S/N: 323-05827 Battery P/N: 452-6504-1 S/N: 1001106-017 Exp: 07/2029.
7. Main battery removed, serviced, charged, and reinstalled. Inspected ECU backup batteries as required.
8. All routine service items performed.
9. Complied with Beringer brake STC ICAs as required.
10. All applicable ADs checked bi-weekly thru this date.
11. Removed and replaced RH and LH Beringer brake pads with new as required. Installed (2) P/N PQT-110.2(A) - Beringer brakes.

I certify that this airframe was inspected in accordance with a 100hr Inspection and approved for return to service.

Bryce Hetherly A&P 3959164

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TOTALS

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Take Flight Aviation LLC - 49 Hangar Road - Montgomery, NY 12549 - 8454574188

N627PS

Hobbs: 732.4

Diamond, DA40NG, S/N: 40.NC257

Tach: 507.8

June 04, 2025

1. Performed 100hr inspection checklist using Diamond DA40-NG Aircraft Maintenance Manual. Installed P/N E4A-52-000 - kit-100 hour.
2. All access panels opened, aircraft placed on jacks.
3. Lubricated all flight controls, and checked control cable tensions.
4. Removed wheel assemblies for inspection.
5. Inspected and reinstalled wheel bearing.
6. ELT inspected and tested I/A/W FAR 91.207 (d). ELT P/N: A3-06-2749 S/N: 323-05827 Battery P/N: 452-6504-1 EXP: 07/2029.
7. Main battery removed, serviced, charged, and reinstalled. Inspected ECU backup batteries as required.
8. All routine service items performed.
9. Complied with Beringer brake STC ICAs as required.
10. All applicable ADs checked bi-weekly thru this date.
11. Removed and replaced back up attitude battery with new. Expires 06/2027 Installed P/N DA4-2560-91-00 - EMERGENCY BATTERY PACK.

I certify that this airframe was inspected in accordance with a 100hr inspection and that this airframe has been determined airworthy and approved for return to service.

Bryce Hetherly A&P 3959164

AIRFRAME



Take Flight Aviation
49 Hangar Rd Montgomery NY, 12549
845-457-4188

N627PS

Diamond DA40NG S/N: 40.NC257

07/01/2025

Hobbs: 871.1

Tach: 606.4

1. Performed 100hr inspection checklist I/A/W 14 CFR, part 43, Appendix D, using Diamond DA40-NG Aircraft Maintenance Manual. Installed P/N E4A-52-000 - kit-100 hour.
2. All access panels opened, aircraft placed on jacks.
3. Lubricated all flight controls, and checked control cable tensions.
4. Removed wheel assemblies for inspection. Re-installed after inspection.
5. ELT inspected and tested I/A/W FAR 91.207 (d). ELT S/N: 1001106-017 Battery EXP: 7/2029.
6. Main battery removed, serviced, charged, and reinstalled. Inspected ECU backup batteries as required.
7. All routine service items performed.
8. Complied with Beringer brake STC ICAs as required.
9. All applicable ADs checked bi-weekly thru this date.
10. Air conditioning system placarded inoperative.

I certify that this airframe was inspected in accordance with a 100hr inspection and approved for return to service.

James T. Murkey A&P 3166872

Section 1: Airframe Log

AIRFRAME



Take Flight Aviation
49 Hangar Rd Montgomery NY, 12549
845-457-4188

N627PS

Diamond DA40NG S/N: 40.NC257

08/08/2025

Hobbs: 1004.6

Tach: 703.1

TTSN: 703.1

1. Performed 100hr inspection checklist I/A/W 14 CFR, part 43, Appendix D, using Diamond DA40-NG Aircraft Maintenance Manual. Installed P/N E4A-52-000 - kit-100 hour.

2. All access panels opened, aircraft placed on jacks.

3. Lubricated all flight controls, and checked control cable tensions.

4. Removed wheel assemblies for inspection.

5. Inspected and reinstalled wheel bearing.

6. ELT inspected and tested I/A/W FAR 91.207 (d). ELT P/N: A3-06-2749-1 S/N: 323-05827 Battery P/N: 452-65044 S/N: 1001106-017 Exp 07/2029.

7. Main battery removed, serviced, charged, and reinstalled. Inspected ECU backup batteries as required.

8. All routine service items performed.

9. Complied with Beringer brake STC ICAs as required.

10. All applicable ADs checked bi-weekly thru this date.

11. Removed parking brake valve and replaced both internal o-rings with new. Re-installed valve, bled system as required and functional check with no issue noted.

12. Removed and replaced RH and LH brake linings with new as required. Installed P/N PQ-110.2(A) - Brake Pad.

I certify that this airframe was inspected in accordance with a 100hr Inspection and approved for return to service.

James T. Markey A&P3166872

[Signature]

Chord Aerospace

CRS R58R222Y

3405 Airport Rd

Allentown, PA 18109

Phone (973-615-3856)

The ATC Transponder Test and Inspections Required
by FAR 91.413 were performed this date and found
to comply with FAR 43, Appendix F.

Aircraft Make: Diamond Model: DA40 S/N: 40NC257 Reg: N627PS

Transponder

Make/Model G1000 Garmin S/N 3N91C

Make/Model _____ S/N _____

Details of this inspection are filed at this repair station under.

Work Order CA0088

Date: 8/21/2025

[Signature]

Signature

The Altimeter and Static system tests required by
FAR 91.411 were performed this date and found

To comply with FAR 43 Appendix E. Altimeter

Was tested to: 20000 feet on 8/21/2025

Signature: *[Signature]*

Chord Aerospace

CRS R58R222Y

G1000

The Altimeter and Static system tests required by
FAR 91.411 were performed this date and found

To comply with FAR 43 Appendix E. Altimeter

Was tested to: 20000 feet on 8/21/2025

Signature: *[Signature]*

Chord Aerospace

CRS R58R222Y

STRB

AIRFRAME (ANNUAL)



Take Flight Aviation
49 Hangar Rd Montgomery NY, 12549
845 -457-4188

N627PS

Diamond DA40NG S/N: 40.NC257

09/12/2025

Hobbs: 1141.5

Tach: 801.1

ACTT: 801.1

1. Performed Annual inspection checklist I/A/W 14 CFR, part 43, Appendix D, using Diamond DA40-NG Aircraft Maintenance Manual. Installed P/N E4A-52-000 - kit-100 hour.
2. All access panels opened, aircraft placed on jacks.
3. Lubricated all flight controls, and checked control cable tensions.
4. Removed wheel assemblies for inspection.
5. Inspected and reinstalled wheel bearing.
6. ELT inspected and tested I/A/W FAR 91.207 (d). Battery Pack P/N: 425-6504 S/N: 001106-017J Exp: 07/2029.
7. Main battery removed, serviced, charged, and reinstalled. Inspected ECU backup batteries as required.
8. All routine service items performed.
9. Complied with Beringer brake STC ICAs as required.
10. All applicable ADs checked bi-weekly thru this date.
11. Removed and replaced air conditioning voltage regulator with new as required. Installed S/N: 89752609
12. Installed P/N VR2000-28-2 - Voltage regulator 28v.
13. Performed a compass swing and updated compass card as required.
14. AD2016-23-03 V-band clamp does not apply to aircraft by build date of aircraft and improved V-band clamp installed at manufacture.
15. AD2016-22-08 Auto pilot bridle cable does not apply by aircraft S/N.
16. AD2013-08-21 Turbo charged air pipe does not apply by aircraft S/N.
17. AD2020-22-14 Turbocharger waste gate control rod does not apply by installation of waste gate control rod bridge at date of build.
18. AD2025-02-12 Piston manufacturing deviation does not apply by engine S/N

I certify that this airframe was inspected in accordance with an Annual Inspection at Take Flight Aviation, LLC., and that this airframe has been determined airworthy and approved for return to service.

James T. Markey
James T. Markey A&P31668721A

AIRFRAME



Take Flight Aviation
49 Hangar Rd Montgomery NY 12549
845 -4

N627PS

Diamond DA40NG S/N: 40.NC257

10/6/25

Hobbs: 1233.5

Tach: 865.7

1. Removed and replaced LH main tire with new. Installed P/N 025-501-1 - MICHELIN 15X6.0-6 TL/TT 6 PLY 160 025-501-1.
2. Removed and replaced RH tire with new. Installed P/N 025-501-1 - MICHELIN 15X6.0-6 TL/TT 6 PLY 160 025-501-1.

Functional check completed satisfactory.

Bryce Hetherly A&P 3959164

Bryce Hetherly

9/12/25

9/21/25

8/21/25

AIRFRAME (ANNUAL)



Take Flight Aviation
49 Hangar Rd Montgomery NY, 12549
845 -457-4188

N627PS

Diamond DA40NG S/N: 40.NC257

09/12/2025

Hobbs: 1141.5

Tach: 801.1

ACTT: 801.1

1. Performed Annual inspection checklist I/A/W 14 CFR, part 43, Appendix D, using Diamond DA40-NG Aircraft Maintenance Manual. Installed P/N E4A-52-000 - kit-100 hour.
2. All access panels opened, aircraft placed on jacks.
3. Lubricated all flight controls, and checked control cable tensions.
4. Removed wheel assemblies for inspection.
5. Inspected and reinstalled wheel bearing.
6. ELT inspected and tested I/A/W FAR 91.207 (d). Battery Pack P/N: 425-6504 S/N: 001106-017J Exp: 07/2029.
7. Main battery removed, serviced, charged, and reinstalled. Inspected ECU backup batteries as required.
8. All routine service items performed.
9. Complied with Beringer brake STC ICAs as required.
10. All applicable ADs checked bi-weekly thru this date.
11. Removed and replaced air conditioning voltage regulator with new as required. Installed S/N: 89752609 Installed P/N VR2000-28-2 - Voltage regulator 28v.
12. Performed a compass swing and updated compass card as required.
13. AD2016-23-03 V-band clamp does not apply to aircraft by build date of aircraft and improved V-band clamp installed at manufacture.
14. AD2016-22-08 Auto pilot bridal cable does not apply by aircraft S/N.
15. AD2013-08-21 Turbo charged air pipe does not apply by aircraft S/N.
16. AD2020-22-14 Turbocharger waste gate control rod does not apply by installation of waste gate control rod bridge at date of build.
17. AD2025-02-12 Piston manufacturing deviation does not apply by engine S/N

I certify that this airframe was inspected in accordance with an Annual Inspection at Take Flight Aviation, LLC., and that this airframe has been determined airworthy and approved for return to service.

James T. Markey
James T. Markey A&P31668721A

AIRFRAME



Take Flight Aviation
49 Hangar Rd Montgomery NY 12549
845 -4

N627PS

Diamond DA40NG S/N: 40.NC257

10/6/25

Hobbs: 1233.5

Tach: 865.7

1. Removed and replaced LH main tire with new. Installed P/N 025-501-1 - MICHELIN 15X6.0-6 TL/TT 6 PLY 160 025-501-1.
2. Removed and replaced RH tire with new. Installed P/N 025-501-1 - MICHELIN 15X6.0-6 TL/TT 6 PLY 160 025-501-1.

Functional check completed satisfactory.

Bryce Hetherly A&P 3959164

Bryce Hetherly

9/12/25

8/21/25

8/21/25

Section 1: Airframe Log

AIRFRAME



Take Flight Aviation
49 Hangar Rd Montgomery NY, 12549
845-457-4188

N627PS

Diamond DA40NG S/N: 40.NC257

11/04/2025

Hobbs: 1274.8

Tach: 896.2

1. Performed 100hr inspection checklist I/A/W 14 CFR, part 43, Appendix D, using Diamond DA40-NG Aircraft Maintenance Manual. Installed P/N E4A-52-000 - kit-100 hour.
2. All access panels opened, aircraft placed on jacks.
3. Lubricated all flight controls, and checked control cable tensions.
4. Removed wheel assemblies for inspection.
5. Inspected and reinstalled wheel bearing.
6. ELT inspected and tested I/A/W FAR 91.207 (d). P/N: A3-06-2749 S/N: 323-05827 Battery P/N:452-6504-1 S/N: 1001106-017 Exp: 07/2029.
7. Main battery removed, serviced, charged, and reinstalled. Inspected ECU backup batteries as required.
8. All routine service items performed.
9. Complied with Beringer brake STC ICAs as required.
10. All applicable ADs checked bi-weekly thru this date.
11. Removed and replaced LH main gear tire with new as required.
12. Bled co-pilots brakes and serviced with fluid as required.

I certify that this airframe was inspected in accordance with a 100hr Inspection, has been determined airworthy and is approved for return to service.

Bryce Hetherly A&P3959164

AIRFRAME



Take Flight Aviation
49 Hangar Rd Montgomery NY, 12549
845-457-4188

N627PS

Diamond DA40NG S/N: 40.NC257

12/23/2025

Hobbs: 1424.6

Tach: 996.4

1. Performed 100hr inspection checklist I/A/W 14 CFR, part 43, Appendix D, using Diamond DA40-NG Aircraft Maintenance Manual. Installed P/N E4A-52-000 - kit-100 hour.
2. All access panels opened, aircraft placed on jacks.
3. Lubricated all flight controls, and checked control cable tensions.
4. Removed wheel assemblies for inspection.
5. Inspected and reinstalled wheel bearing.
6. ELT inspected and tested I/A/W FAR 91.207 (d). ELT P/N: A3-06-2749-1 S/N: 323-05827 Battery P/N: 452-6504-1 S/N: 1001106-017 Exp: 07/2029.
7. Main battery removed, serviced, charged, and reinstalled. Inspected ECU backup batteries as required.
8. All routine service items performed.
9. Complied with Beringer brake STC ICAs as required.
10. All applicable ADs checked bi-weekly thru this date.
11. Completed a 1000hr Inspection with bonding check IAW Diamond aircraft maintenance manual and put the bonding check paperwork in aircraft records.

I certify that this airframe was inspected in accordance with a 100hr Inspection and approved for return to service.

Bryce Hetherly A&P3959164

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TOTALS

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NAME/
SIGNATURELICENCE:
AME or
AMO/ACA

MAKE: Diamond
MODEL: DA40NG
S/N: 40.NC257
REG. NO: N627PS



**Premier Aircraft Service,
Inc.**
CRS: # 9PRR402B
5540 NW 23rd Avenue Hangar 14
Fort Lauderdale, FL 33309

W/O #: 11389-03-2026
DATE: 04-02-2026
Airframe TT: 1085.1
Tach: 1085.1

Airframe Entries

- 2 INSTALLED ALL WHEEL FAIRINGS IAW DA-40NG MM CH 32-10 AND 32-20. WEIGHT AND BALANCE
REVISED.

DATE: 04-02-2026

SIGNED: 
Dennis Allard
CRS: # 9PRR402B

WORK ORDER: 11389-03-2026
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