

DATE

/ /

AIR TIME

DAILY TOTAL
HRS MIN
TOTAL
HOURS MINLANDINGS / CYCLES
DAILY TOTAL
TOTALCARRIED
FORWARDDETAILS OF TASK
(INSPECTION, REPAIRS & REPLACEMENT)BLUE LINE
TECHNICAL SERVICES
919-578-3728Blue Line Technical Services, LLC
3149 B Swift Creek Rd.
Smithfield NC, 27577Make: Diamond
Reg. No: N113NG

Model: DA40NG

Serial No: 40.NC021

Airframe

Tach: 2048.1

TT Adjust: 0

Total Time: 2048.1

Hobbs: 2885.7

WORK PERFORMED:
Replaced RH main tire with new (P/N: 070-449-0, S/N: 0224T00102) and new tube (P/N: 097-500-0).

Rachel Weilandt A&P 3889290

Rachel Weilandt
Signature

3/11/2021

BLUE LINE
TECHNICAL SERVICES
919-578-3728Blue Line Technical Services, LLC
3149 B Swift Creek Rd.
Smithfield NC, 27577Make: Diamond
Reg. No: N113NG

Model: DA40NG

Serial No: 40.NC021

Airframe

Tach: 2044.1

TT Adjust: 0

Total Time: 2044.1

Hobbs: 2879.2

WORK PERFORMED:

100hr and Annual inspection. Inspected E.L.T per 91.207(d), battery expires May 2025. Touched up fire paint on cowling. Ground run, ops check, and leak check good. All ADs checked for compliance. I certify this aircraft has been inspected IAW a 100hr and Annual inspection per FAR 43 App. D and Diamond AMM and was determined to be in airworthy condition.

AD C/W 16-23-03 by visual inspection. Good at this time. Next due at 2144.7TT.

Rachel Weilandt A&P/IA 3889290

Rachel Weilandt
Signature

3/9/2021

Name/ Certificate No.

Date

BLUE LINE
TECHNICAL SERVICES
919-578-3728Blue Line Technical Services, LLC
3149 B Swift Creek Rd.
Smithfield NC, 27577Make: Diamond
Reg. No: N113NG

Model: DA40NG

Serial No: 40.NC021

Airframe

Tach: 2123.1

TT Adjust: 0

Total Time: 2123.1

Hobbs: 2985.7

WORK PERFORMED:

Replaced brakes with new 4 ea (P/N: RA66-141).

Rachel Weilandt A&P 3889290

Rachel Weilandt
Signature

4/14/2021

Name/ Certificate No.

Date

PAGE
TOTALS

CARRY FORWARD to Top of Next Page

179

BLUE LINE
TECHNICAL SERVICES
919-578-3728Blue Line Technical Services, LLC
3149 B Swift Creek Rd.
Smithfield NC, 27577

Airframe

Make: Diamond
Reg. No: N113NG

Model: DA40NG

Serial No: 40.NC021

Tach: 2144.1

TT Adjust: 0

Total Time: 2144.1

Hobbs: 3014.5

WORK PERFORMED:

200hr and Annual inspection. Inspected E.L.T per 91.207(d), battery expires May 2025. Touched up fire paint on cowling. Replaced LH tire with new (P/N: 070-449-0, S/N: 0223T00009) and tube with new (P/N: 097-500-0). Replaced forward and aft "step" stickers (P/N: DA4-1123-10-11) on LH inboard wing. Replaced grip tape on LH and RH. Replaced elevator trim. Replaced RH fuel cap water seal O-ring with new (P/N: 85534). Replaced rudder hinge pin. Freed up elevator trim. Replaced RH fuel cap water seal O-ring with new (P/N: DIN125A-M6-A2) and new ring terminal. Ground run, ops check, and leak check good. All ADs checked for compliance. I certify this aircraft has been inspected IAW a 200hr and Annual inspection per FAR 43 App. D and Diamond AMM and was determined to be in airworthy condition.

AD C/W 16-23-03 by visual inspection. Good at this time. Next due at 2244.1TT.

Rachel Weilandt A&P/IA 3889290

Rachel Weilandt
Signature

4/20/2021

Name/ Certificate No.

Date

BLUE LINE
TECHNICAL SERVICES
919-578-3728Blue Line Technical Services, LLC
3149 B Swift Creek Rd.
Smithfield NC, 27577

Airframe

Make: Diamond
Reg. No: N113NG

Model: DA40NG

Serial No: 40.NC021

Tach: 2211.3

TT Adjust: 0

Total Time: 2211.3

Hobbs: 3106.3

WORK PERFORMED:

Replaced pilot's RH rudder pedal spring with new (P/N: TF1.6X14.1DEX55.8).

Rachel Weilandt A&P 3889290

Rachel Weilandt
Signature

5/10/2021

Name/ Certificate No.

Date

BLUE LINE
TECHNICAL SERVICES
919-578-3728Blue Line Technical Services, LLC
3149 B Swift Creek Rd.
Smithfield NC, 27577

Airframe

Make: Diamond
Reg. No: N113NG

Model: DA40NG

Serial No: 40.NC021

Tach: 2242.0

TT Adjust: 0

Total Time: 2242.0

Hobbs: 3152.2

WORK PERFORMED:

100hr and Annual inspection. Inspected E.L.T per 91.207(d), battery expires May 2025. Replaced RH tire with new P/N# 070-449-0, S/N# 0227T00004 and tube with new (P/N# 097-500-0). Replaced nose tire with new P/N# 070-312-0 S/N# 9317500077. Ground run, ops check, and leak check good. All ADs checked for compliance. I certify this aircraft has been inspected IAW a 100hr and Annual inspection per FAR 43 App. D and Diamond AMM and was determined to be in airworthy condition.

AD C/W 16-23-03 by visual inspection. Good at this time. Next due at 2342 TT.

Robert T Robinson III A&P/IA 4074592

Robert T Robinson III
Signature

5/20/2021

Name/ Certificate No.

Date

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							

BLUE LINE TECHNICAL SERVICES 919-578-3728		Blue Line Technical Services, LLC 3149 B Swift Creek Rd. Smithfield NC, 27577		Airframe	
Make:	Diamond	Model:	DA40NG	Serial No:	40.NC021
Reg. No:	N113NG			Tach:	2336.2
WORK PERFORMED:		Hobbs:		TT Adjust:	0
Tightened tail fairing screws.		3157.9		Total Time:	2336.2
Robert T Robinson III A&P 4074592		Signature		5/21/2021	
Name/ Certificate No.		Signature		Date	

BLUE LINE TECHNICAL SERVICES 919-578-3728		Blue Line Technical Services, LLC 3149 B Swift Creek Rd. Smithfield NC, 27577		Airframe	
Make:	Diamond	Model:	DA40NG	Serial No:	40.NC021
Reg. No:	N113NG			Tach:	2279.2
WORK PERFORMED:		Hobbs:		TT Adjust:	0
Replaced all brake linings with new PN# RA66-141.		3202.1		Total Time:	2279.2
Robert T Robinson III A&P 4074592		Signature		6/7/2021	
Name/ Certificate No.		Signature		Date	

BLUE LINE TECHNICAL SERVICES 919-578-3728		Blue Line Technical Services, LLC 3149 B Swift Creek Rd. Smithfield NC, 27577		Airframe	
Make:	Diamond	Model:	DA40NG	Serial No:	40.NC021
Reg. No:	N113NG			Tach:	2330
WORK PERFORMED:		Hobbs:		TT Adjust:	0
Replaced left main tire with new PN# 156E66B1 SN# 00195359. Installed new tube PN# 097-500-0		3274.5		Total Time:	2330
Robert T Robinson III A&P 4074592		Signature		6/30/2021	
Name/ Certificate No.		Signature		Date	

BLUE LINE TECHNICAL SERVICES 919-578-3728		Blue Line Technical Services, LLC 3149 B Swift Creek Rd. Smithfield NC, 27577		Airframe	
Make:	Diamond	Model:	DA40NG	Serial No:	40.NC021
Reg. No:	N113NG			Tach:	2336.2
WORK PERFORMED:		Hobbs:		TT Adjust:	0
100/200hr and Annual inspection. Inspected E.L.T per 91.207(d), battery expires May 2025. Serviced airframe. Ground run and ops check good. All ADs checked for compliance. I certify this aircraft has been inspected IAW a 100/200hr and Annual inspection per FAR 43 App. D and Diamond AMM and was determined to be in airworthy condition.		3283.4		Total Time:	2336.2
A/C/W 25-23-03 by visual inspection. Good at this time. Next due at 2436.2 TT.		Signature		7/2/2021	
Rachel Weindt A&P/IA 3889290		Signature		Date	
Name/ Certificate No.		Signature		Date	

BLUE LINE TECHNICAL SERVICES 919-578-3728		Blue Line Technical Services, LLC 3149 B Swift Creek Rd. Smithfield NC, 27577		Airframe	
Make:	Diamond	Model:	DA40NG	Serial No:	40.NC021
Reg. No:	N113NG			Tach:	2338.6
WORK PERFORMED:		Hobbs:		TT Adjust:	0
Replaced LH wing aft inboard inspection panel with serviceable spare.		3287		Total Time:	2338.6
Rachel Weindt A&P 3889290		Signature		7/5/2021	
Name/ Certificate No.		Signature		Date	

BLUE LINE TECHNICAL SERVICES 919-578-3728		Blue Line Technical Services, LLC 3149 B Swift Creek Rd. Smithfield NC, 27577		Airframe	
Make:	Diamond	Model:	DA40NG	Serial No:	40.NC021
Reg. No:	N113NG			Tach:	2387.5
WORK PERFORMED:		Hobbs:		TT Adjust:	0
Replaced wastegate actuator with new PN# E4A-41-120-000, installed new circlip PN# E4A-41-100-801, reused failsafe edge. Replaced wastegate controller with new PN# E4A-41-300-801. Repaired copilot overhead AC vent eye. Ground run and ops check normal.		3358		Total Time:	2387.5
Robert T Robinson III A&P 4074592		Signature		7/24/2021	
Name/ Certificate No.		Signature		Date	

Section 1: Airframe Log

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

Blue Line Technical Services, LLC
3149 B Swift Creek Rd.
Smithfield NC, 27577

Make: Diamond Model: DA40NG Serial No: 40.NC021 Tach: 2388.3
Reg. No: N113NG TT Adjust: 0
Hobbs: 3369.2 Total Time: 2388.3

WORK PERFORMED: Replaced brake linings with new PN# RA66-141

Robert T Robinson III A&P 4074592 Rachel Weilandt
Name/ Certificate No. Signature Date 7/27/2021

Blue Line Technical Services, LLC
3149 B Swift Creek Rd.
Smithfield NC, 27577

Make: Diamond Model: DA40NG Serial No: 40.NC021 Tach: 2435.8
Reg. No: N113NG TT Adjust: 0
Hobbs: 3427.7 Total Time: 2435.8

WORK PERFORMED: 100/200/300/600hr and Annual inspection. Inspected E.L.T per 91.207(d), battery expires May 2025. Serviced airframe. Ground run and ops check good. Replaced LH tire with new (P/N: 070-449-0, S/N: 1039T00120) and RH tire with new (P/N: 070-449-0, S/N: 1039T00102) and both tubes with new (P/N: 097-500-0). Replaced ECU batteries with new (P/N: NP7-12), next due 31 AUG 2022. Replaced ring terminal on LH flap push rod bonding strap. Glued baggage LH wall trim. Replaced gascolator with new (P/N: FIA375). All ADs checked for compliance. I certify this aircraft has been inspected IAW a 100/200/300/600hr and Annual inspection per FAR 43 App. D and Diamond AMM and was determined to be in airworthy condition.

AD C/W 16-23-03 by visual inspection. Good at this time. Next due at 2535.8 TT.

Rachel Weilandt A&P/IA 3889290 Rachel Weilandt
Name/ Certificate No. Signature Date 8/12/2021

Blue Line Technical Services, LLC
3149 B Swift Creek Rd.
Smithfield NC, 27577

Make: Diamond Model: DA40NG Serial No: 40.NC021 Tach: 2526.3
Reg. No: N113NG TT Adjust: 0
Hobbs: 3552 Total Time: 2526.3

WORK PERFORMED: A/C stopped working, inoped by pulling breaker and placarding A/C control panel.

Rachel Weilandt A&P/IA 3889290 Rachel Weilandt
Name/ Certificate No. Signature Date 9/7/2021

Blue Line Technical Services, LLC
3149 B Swift Creek Rd.
Smithfield NC, 27577

Make: Diamond Model: DA40NG Serial No: 40.NC021 Tach: 2535.0
Reg. No: N113NG TT Adjust: 0
Hobbs: 3564.1 Total Time: 2535.0

WORK PERFORMED: 100hr and Annual inspection. Inspected E.L.T per 91.207(d), battery expires May 2025. Reglued pilot armrest. Replaced LH "Jet A" placard near fuel tank. Ground run and ops check good. All ADs checked for compliance. I certify this aircraft has been inspected IAW a 100hr and Annual inspection per FAR 43 App. D and Diamond AMM and was determined to be in airworthy condition.

AD C/W 16-23-03 by visual inspection. Good at this time. Next due at 2635.0 TT.

Rachel Weilandt A&P/IA 3889290 Rachel Weilandt
Name/ Certificate No. Signature Date 9/13/2021

Blue Line Technical Services, LLC
3149 B Swift Creek Rd.
Smithfield NC, 27577

Make: Diamond Model: DA40NG Serial No: 40.NC021 Tach: 2608.7
Reg. No: N113NG TT Adjust: 0
Hobbs: 3664.9 Total Time: 2608.7

WORK PERFORMED: Repaired bonding strap on RH flap bellcrank to pushrod.

Rachel Weilandt A&P 3889290 Rachel Weilandt
Name/ Certificate No. Signature Date 10/6/2021

Blue Line Technical Services, LLC
3149 B Swift Creek Rd.
Smithfield NC, 27577

Make: Diamond Model: DA40NG Serial No: 40.NC021 Tach: 2608.7
Reg. No: N113NG TT Adjust: 0
Hobbs: 3664.9 Total Time: 2608.7

WORK PERFORMED: Replaced missing screw with new on LH MLG leg fairing.

Rachel Weilandt A&P 3889290 Rachel Weilandt
Name/ Certificate No. Signature Date 10/6/2021

Section 1: Airframe Log

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

Blue Line Technical Services, LLC
3149 B Swift Creek Rd.
Smithfield NC, 27577
919-578-3728

Airframe

Make: Diamond Model: DA40NG Serial No: 40.NC021 Tach: 2635.3
Reg. No: N113NG Hobbs: 3699.2 TT Adjust: 0
Total Time: 2635.3

WORK PERFORMED:
100/200hr and Annual inspection. Inspected E.L.T per 91.207(d), battery expires May 2025. Replaced LH main line with new (P/N: 070-449-0, S/N: 1093T00223) and RH main tire with new (P/N: 070-449-0, S/N: 1035T00143) and both tubes with new (P/N: 097-500-0). Replaced aux alternator brushes with new (P/N: ALU-3045B5) and repaired wire on alternator, ops check failed, resecured breaker and placarded as inop. Replaced rubber washer under RH tie down ring. Replaced LH and RH brake rotors with new 2 ea (P/N: RA164-24400) and LH and RH brake pads with new 4 ea (P/N: RA66-141). Applied more sealant around LH and RH wingtip light assemblies. Reconnected A/C drain line to drain. Ground run and ops check good. All ADs checked for compliance. I certify this aircraft has been inspected IAW a 100/200hr and Annual inspection per FAR 43 App. D and Diamond AMM and was determined to be in airworthy condition.
AD C/W 16-23-03 by visual inspection. Good at this time. Next due at 2735.5 TT.

Rachel Weilandt A&P/IA 3889290 Rachel Weilandt 10/15/2021
Name/ Certificate No. Signature Date

Blue Line Technical Services, LLC
3149 B Swift Creek Rd.
Smithfield NC, 27577
919-578-3728

Airframe

Make: Diamond Model: DA40NG Serial No: 40.NC021 Tach: 2717
Reg. No: N113NG Hobbs: 3813.6 TT Adjust: 0
Total Time: 2717

WORK PERFORMED:
Replaced pilot side rudder pedal adjust switch with serviceable spare.

Robert T Robinson III A&P 4074592 Robert T Robinson III 11/8/2021
Name/ Certificate No. Signature Date

Blue Line Technical Services, LLC
3149 B Swift Creek Rd.
Smithfield NC, 27577
919-578-3728

Airframe

Make: Diamond Model: DA40NG Serial No: 40.NC021 Tach: 2731.6
Reg. No: N113NG Hobbs: 3832.7 TT Adjust: 0
Total Time: 2731.6

WORK PERFORMED:
Good light inop. Disabled and placarded INOP

Robert T Robinson III A&P 4074592 Robert T Robinson III 11/11/2021
Name/ Certificate No. Signature Date

TOTALS CARRY FORWARD to Top of Next Page

Blue Line Technical Services, LLC
3149 B Swift Creek Rd.
Smithfield NC, 27577
919-578-3728

Airframe

Make: Diamond Model: DA40NG Serial No: 40.NC021 Tach: 2732.1
Reg. No: N113NG Hobbs: 3835.7 TT Adjust: 0
Total Time: 2732.1

WORK PERFORMED:
100/300/900hr and Annual inspection. Inspected E.L.T per 91.207(d), battery expires May 2025. Replaced flood light inverter with new (P/N: APVL328-4-1-L-SQF), enabled flood light and removed "inop" placard. Ground run and ops check good. All ADs checked for compliance. I certify this aircraft has been inspected IAW a 100/300/900hr and Annual inspection per FAR 43 App. D and Diamond AMM and was determined to be in airworthy condition.
AD C/W 16-23-03 by visual inspection. Good at this time. Next due at 2832.1 TT.

Rachel Weilandt A&P/IA 3889290 Rachel Weilandt 11/12/2021
Name/ Certificate No. Signature Date

Blue Line Technical Services, LLC
3149 B Swift Creek Rd.
Smithfield NC, 27577
919-578-3728

Airframe

Make: Diamond Model: DA40NG Serial No: 40.NC021 Tach: 2830.2
Reg. No: N113NG Hobbs: 3969.1 TT Adjust: 0
Total Time: 2830.2

WORK PERFORMED:
100/200hr and Annual inspection. Inspected E.L.T per 91.207(d), battery expires May 2025. Serviced airframe, removed tires, cleaned, inspected, and packed wheel bearings, reinstalled tires. Replaced nose wheel tire with new (P/N: 070-449-0, S/N: 1035T00147) and tube with new (P/N: 097-908-0). Replaced RH wheel tire with new (P/N: 070-449-0, S/N: 1035T00134) and tube with new (P/N: 097-500-0). Replaced A/C blower motor with new (P/N: DA1-9021-00-13) and fixed connection at A/C controller. Touched up paint on RH wing leading edge. Glued RH wing wing root area. Touched up paint on tail skid. Ground run and ops check good. All ADs checked for compliance. I certify this aircraft has been inspected IAW a 100/200hr and Annual inspection per FAR 43 App. D and Diamond AMM and was determined to be in airworthy condition.
AD C/W 16-23-03 by visual inspection. Good at this time. Next due at 2930.2 TT.

Rachel Weilandt A&P/IA 3889290 Rachel Weilandt 12/16/2021
Name/ Certificate No. Signature Date

Blue Line Technical Services, LLC
3149 B Swift Creek Rd.
Smithfield NC, 27577
919-578-3728

Airframe

Make: Diamond Model: DA40NG Serial No: 40.NC021 Tach: 2832.4
Reg. No: N113NG Hobbs: 3972.3 TT Adjust: 0
Total Time: 2832.4

WORK PERFORMED:
ECU fails on start up. Pulled codes, fuel pressure low. Replaced fuel bypass valve with new (P/N: D67-9028-00-001) and cleaned gascolator. Replaced fuel pressure sensor with new (P/N: E4A-52-100-801) and new sealing ring (P/N: DIN7603-A12X16-AL). Ground run and leak check good.

Rachel Weilandt A&P 3889290 Rachel Weilandt 12/20/2021
Name/ Certificate No. Signature Date

Section 1: Airframe Log

DATE / /	AIR TIME				LANDINGS / CYCLES	
	DAILY TOTAL		TOTAL		DAILY TOTAL	TOTAL
	HRS	MIN	HOURS	MIN		
			2845	8		

CARRIED FORWARD



Diamond AIRCRAFT INC.
D.O.T. APPROVED
MAINTENANCE
ORGANIZATION 181-83
Diamond Aircraft Work Order: SO 072867

Registration:
AC Serial Number: N113NG
Airframe Total Time: 2846.3 hrs
Engine Time (SACN): 1000.2 hrs
Propeller TTSN: 0.0 hrs

The Following Maintenance Was Performed:

- Propeller governor maximum governing speed stop adjusted
- I/W MT Propeller SL54
- LH flap pre-load adjusted

I have carried out an independent inspection of the Flight controls/Power Plant controls
(as required by the work accomplished)



Date: FEB 15 2022

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



Date: FEB 15 2022



Date: 03/28/2022
A/C TT: 2854.5
Hobbs: 4006.3
Tach.: 2854.5

N113NG
A/C Model: DA 40 NG
A/C S/N: 40.NC021

Reinstalled the L/H, the R/H, and the nose wheel fairings. Computed a new weight and balance and inserted it into the Pilot's Operation Handbook.
Work was also performed by Aaron Bradstreet.
Ronald Allen Campbell A&P C01959044

Ronald Allen Campbell

DETAILS OF TASK (INSPECTION, REPAIRS & REPLACEMENT)

FAA APPROVED
CAROLINA AVIONICS GROUP, LLC
FAA Approved Repair Station 0008398K

FAA 31.411
ALTIMETERS, ALTITUDE REPORTING EQUIPMENT AND STATIC PRESSURE SENSING EQUIPMENT INSPECTED AND MET ALL REQUIREMENTS OF APPENDIX E OF PART 43
ALTITUDE CORRECTION: 0.000 FEET
DATE: 03-28-2022 BY: [Signature]

AIRFRAME/AVIONICS

TEST	17571	0	1,000	500	1,500	2,000	3,000	4,000	5,000	6,000	8,000	10,000	12,000	14,000	16,000	18,000	20,000	22,000	24,000	26,000	28,000	30,000

NAME: SIGNATURE: LICENSE: AWEH: AMO/ACA:

DATE	AIR TIME				LANDINGS / CYCLES	
	DAILY TOTAL		TOTAL		DAILY TOTAL	TOTAL
	HRS	MIN	HOURS	MIN		
CARRIED FORWARD						

Model: DA40 NG
S/N: 40.NC021
Reg # N113NG

CRAFT
FLIGHT TRAINING & SIMULATION
890 Greyback Rd, Summerville, SC 29483

Date: 8/17/2022
Tach: 2929.4
ACTT: 2929.4

DETAILS OF TASK
(INSPECTION, REPAIRS & REPLACEMENT)

- 100hr inspection completed this date IAW Diamond Aircraft DA40 NG AMM and Diamond Aircraft Inspection Checklist
1. ELT tested IAW CFR 91.207(d) Battery replacement due 5/2025
 2. ECU Backup battery inspected Expires 8/24/24 JB
 3. Inspected and repacked wheel bearings
 4. Replaced fuel filter P/N: WK724_3
 5. Removed, cleaned, inspected, and repacked wheel bearings and reinstalled
 6. Wheels reinstalled and aircraft downjacked
 7. Checked rudder cable tensions and adjusted to spec. Lubricated all flight controls
 8. Interior reinstalled, access panels reinstalled
 9. AD's researched biweekly thru this date
 10. AD 2016-23-03 Inspection of V-Clamp completed IAW Diamond Aircraft Industries GMBH Work instruction WI-MSB 40NG-046, dated July 22, 2016. Next due in 100 flight hours TACH: 3029.4
 11. Wheel pants removed and new weight and balance form produced effective this date
- Aircraft is approved for return to service at this time.
Aircraft inspected IAW a 100hr inspection and was determined to be in airworthy condition at this time.

Zachary Braddock
Zachary Braddock 3310705 A&P

Model: DA40 NG
S/N: 40.NC021
Reg # N113NG

CRAFT
FLIGHT TRAINING & SIMULATION
890 Greyback Rd, Summerville, SC 29483

Date: 8/31/2022
Tach: 2940.4

RACC unit removed and reinstalled to facilitate replacement of ECU backup batteries. 2ea ECU Batteries replaced with Yuasa NP7-12 batteries. Next due replacement 8/30/2023. Aircraft approved for return to service at this time.

Zachary Braddock
Zachary Braddock 3310705 A&P

Model: DA40 NG
S/N: 40.NC021
Reg # N113NG

CRAFT
FLIGHT TRAINING & SIMULATION
890 Greyback Rd, Summerville, SC 29483

Date: 1/23/2023
Tach: 2990.1
ACTT: 2990.1

Performed an ANNUAL inspection IAW 14 CFR FAR 43.13 Appendix (D) using Diamond Aircraft DA40 NG AMM and Diamond Aircraft Inspection Checklist as a guide

1. ELT tested IAW CFR 91.207(d) Battery replacement due 5/2025
 2. ECU Backup battery inspected Expires 8/2023
 3. Inspected and repacked wheel bearings
 4. Replaced fuel filter P/N: WK724_3
 5. Removed, cleaned, inspected, and repacked wheel bearings and reinstalled
 6. Wheels reinstalled and aircraft downjacked
 7. Checked rudder cable tensions and adjusted to spec. Lubricated all flight controls
 8. Interior reinstalled, access panels reinstalled
 9. AD's researched biweekly thru this date, no new AD's apply at this time
 10. AD 2016-23-03 Inspection of V-Clamp completed IAW Diamond Aircraft Industries GMBH Work instruction WI-MSB 40NG-046, dated July 22, 2016. Next due in 100 flight hours TACH: 3090.1
- Aircraft is approved for return to service at this time.

Zachary Braddock
Aircraft inspected IAW an ANNUAL inspection and was determined to be in airworthy condition at this time.
Zachary Braddock 3310705 A&P/A



DATE: FEBRUARY 18, 2023 | DIAMOND DA40 NG | S/N: 40.NC021 | REG: N113NG
TACH: 2992.4 HRS. TTAF: 2992.4 HRS.

REMOVED ENGINE S/N E4-A-00131 TO FOM. REINSTALLED ENGINE S/N E4-A-00131. GROUND RAN FOR OPERATION AND LEAK CHECK. ALL ENGINE PERAMITTERS NORMAL NO LEAKS NOTED.

NEW CORE HAS A LIFE LIMIT OF 900 FLIGHT HOURS. CORE TIME IS '0' AT THIS TIME.

THIS AIRCRAFT HAS BEEN SERVICED IN ACCORDANCE WITH DIAMOND DA40 MAINTENANCE MANUAL AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.

Timothy D Jordan
TIMOTHY D JORDAN

A&P/A 3264477

Model: DA40 NG
S/N: 40.NC021
Reg # N113NG

CRAFT
FLIGHT TRAINING & SIMULATION
890 Greyback Rd, Summerville, SC 29483

Date: 3/25/2023
Tach: 3081.3
ACTT: 3081.3

Performed a 100hr inspection IAW 14 CFR FAR 43.13 Appendix (D) using Diamond Aircraft DA40 NG AMM and Diamond Aircraft Inspection Checklist as a guide

1. ELT tested IAW CFR 91.207(d) Battery replacement due 5/2025
 2. ECU Backup battery inspected Expires 8/2023
 3. Inspected and repacked wheel bearings
 4. Replaced fuel filter P/N: WK724_3
 5. Removed, cleaned, inspected, and repacked wheel bearings and reinstalled
 6. Wheels reinstalled and aircraft downjacked
 7. Checked rudder cable tensions and adjusted to spec. Lubricated all flight controls
 8. Interior reinstalled, access panels reinstalled
 9. AD's researched biweekly thru this date, no new AD's apply at this time
 10. AD 2016-23-03 Inspection of V-Clamp completed IAW Diamond Aircraft Industries GMBH Work instruction WI-MSB 40NG-046, dated July 22, 2016. Next due in 100 flight hours TACH: 3181.3
 11. Replaced broken pilot side step
- Aircraft is approved for return to service at this time.
Aircraft inspected IAW a 100hr inspection and was determined to be in airworthy condition at this time.

Zachary Braddock
Zachary Braddock 3310705 A&P

Section 1: Airframe Log

DATE	AIR TIME				LANDINGS / CYCLES	
	DAILY TOTAL		TOTAL		DAILY TOTAL	TOTAL
	HRS	MIN	HOURS	MIN	TOTAL	TOTAL

Make: Diamond Model: DA40NG S/N: 40:NC021
Registration: N113NG Date: 05/17/2023
Tech: 3177.1 Hobbs: 4997.1

Work Performed: Trouble shot left rudder pedal adjustment mechanism. Found 5A Fuse blown. R/L 5A Fuse Daw diamond 14M. Performed Functional test at left Rudder pedal adjustment. ops checked good.

Jared Haul AEP 3740133
05/17/2023

Make: Diamond Model: DA40NG S/N: 40:NC021
Registration: N113NG Date: 05/17/2023
Tech: 3177.1 Hobbs: 4997.1

Work Performed: Removed fuel transfer Pump (PIN 18002-B S/N 214427) installed new fuel transfer Pump (PIN 18002-B S/N 205330) Leak and ops check good no further defects at this time.

Phillip Dickinson AEP 4474806
05/17/2023

PAGE TOTALS

CARRY FORWARD

DETAILS OF TASK
(INSPECTION, REPAIRS & REPLACEMENT)

Make: Diamond Model: DA40NG S/N: 40:NC021
Registration: N113NG Date: 05/17/2023
Tech: 3177.1 Hobbs: 4997.1

Work Performed: Complied with 100 Hr inspection IAW FAR 43 Appendix D and referencing the Aircraft App. Reference AD 2016-25-03 inspection of V-clamp completed IAW Diamond Aircraft Industries CAMBH work instruction WI-MSB 40NG-046/2 Dated July 22-2016 Next due 100 Flight hours Tech: 3277.1 Aircraft is Approved for return to service at this time.
Phillip Dickinson AEP 4474806
05/17/2023

Model: DA40
S/N: 40:NC021
Reg #: N113NG

Replaced left MLG tire with Condar 15x6 D-6 6 ply tire S/N 2277T00131 and Aero Classic tube PIN GL-1520B. Aircraft approved for return to service at this time.
Wick Organich AEP 4216123

CRAFT
FLIGHT TRAINING & SIMULATION
890 Greyback Rd, Summerville, SC 29483

Date: 6/5/2023
Tech: 3200.2

LIFT MAINTENANCE

Registration: N113NG
AC Serial Number: 40:NC021
Airframe TT: 3276.5
WO: M195393

Maintenance performed:
Complied with a 100 inspection IAW FAR 43 appendix D and referencing the aircraft MM. Complied with AD 2016-21-03 Dated November 29, 2016 by visual inspection following the Instructions section in Diamond Aircraft Industries GmbH 1042 work instructions WI-MSB 40 NG-046/2 Dated July 14, 2016 as specified in DA mandatory Service Bulletin MSB40NG-046/2. Dated August 4, 2020 next due at ATTT: 3276.5 hrs. I certify that this aircraft has been inspected IAW a 100 Hr inspection and was found to be airworthy. The aircraft, or component(s) identified above was repaired, installed or inspected IAW regulations of Federal Aviation Administration and was determined airworthy and approved for return to service only for the work performed. Details of the work are on file at this repair station under work order M195393. Date 08/14/2023

Signature: *Jared Haul*
Jared Haul AEP 3740133

Date: 08/14/23

Section 1: Airframe Log

DATE	AIR TIME				LANDINGS / CYCLES	
	DAILY TOTAL	TOTAL		DAILY TOTAL	TOTAL	
HRS MIN	HOURS	MIN		TOTAL		

DETAILS OF TASK
(INSPECTION, REPAIRS & REPLACEMENT)

Registration: N113NG
AC Serial Number: 40 NC021
Airframe TT: 3471.10
WO: 1081



LIFT MAINTENANCE

Maintenance performed:

Complied with a 100 HR inspection IAW FAR 43.13 Appendix D and referencing the aircraft MM. Complied with AD 2016-23-03 Dated November 29, 2016 by visual inspection following the instructions section in Diamond Aircraft Industries GmbH Work Instruction WI-MSB 40NG-046. Dated July 14, 2016 as specified in DA1 mandatory SB MSB40NG-046/2. Dated August 4, 2020, next due at AFTT 3471.10. I certify that this aircraft has been inspected IAW a 100 HR inspection and was found to be airworthy. This aircraft, no component(s) identified above was repaired, installed or inspected IAW regulations of FAA and was determined airworthy and approved for return to service only for the work performed. Details of the work are as follows at this repair station under work order 3310705 A&P. Date 11/09/2023

Signature: *[Signature]*
Bryan Braddock 3310705 A&P

Date: 11/09/2023

Model: DA40 NG
S/N: 40 NC021
Reg # N113NG

CRAFT
FLIGHT TRAINING & SIMULATION

Date: 12/13/2023
Tach: 3570.7
ACTT: 3570.7

Performed a 100hr inspection IAW 14 CFR FAR 43.13 Appendix (D) using Diamond Aircraft DA40 NG AMM and Diamond

Aircraft Inspection Checklist as a guide

1. ELT tested IAW CFR 91.207(d) Battery replacement due 5/2025

2. ECU Backup battery inspected Expires 8/2024

3. Inspected and repacked wheel bearings

4. Replaced fuel filter P/N: WK724_3

5. Removed, cleaned, inspected, and repacked wheel bearings and reinstalled

6. Wheels reinstalled and aircraft downjacked

7. Checked rudder cable tensions and adjusted to spec. Lubricated all flight controls

8. Interior reinstalled, access panels reinstalled

9. AD's researched biweekly thru this date, no new AD's apply at this time

10. AD 2016-23-03 Inspection of V-Clamp completed IAW Diamond Aircraft Industries GMBH Work Instruction WI-MSB 40NG-046, dated July 22, 2016. Next due in 100 flight hours TACH: 3570.7

Aircraft is approved for return to service at this time.

Aircraft inspected IAW a 100hr inspection and was determined to be in airworthy condition at this time.

Signature: *[Signature]*
Bryan Braddock 3310705 A&P

PAGE
TOTALS

CARRY FORWARD

NAME/
SIGNATURE

LICENS
NAME OF
AMO/ACA

Date: 2/7/2024
Tach: 3651.0
ACTT: 3651.0

CRAFT
FLIGHT TRAINING & SIMULATION
FLIGHT TRAINING & SIMULATION
FLIGHT TRAINING & SIMULATION

Model: DA40 NG
S/N: 40 NC021
Reg # N113NG

Performed an ANNUAL inspection IAW 14 CFR FAR 43.13 Appendix (D) using Diamond Aircraft DA40 NG AMM and Diamond Aircraft Inspection

checklist as a guide

1. ELT tested IAW CFR 91.207(d) Battery replacement due 5/2025

2. ECU Backup battery inspected Expires 8/2024

3. Inspected and repacked wheel bearings

4. Replaced fuel filter P/N: WK724_3

5. Removed, cleaned, inspected, and repacked wheel bearings and reinstalled

6. Wheels reinstalled and aircraft downjacked

7. Checked rudder cable tensions and adjusted to spec. Lubricated all flight controls

8. Interior reinstalled, access panels reinstalled

9. AD's researched biweekly thru this date, no new AD's apply at this time

10. AD 2016-23-03 Inspection of V-Clamp completed IAW Diamond Aircraft Industries GMBH Work Instruction WI-MSB 40NG-046, dated July 22, 2016. Next due in 100 flight hours TACH: 3751.0

Aircraft is approved for return to service at this time.

Aircraft inspected IAW an ANNUAL inspection and was determined to be in airworthy condition at this time.

Signature: *[Signature]*
Bryan Braddock 3310705 A&P

Registration: N113NG
AC Serial Number: 40 NC021
Airframe TT: 3471.10
WO: 1081

LIFT MAINTENANCE

Maintenance performed:
Complied with a 100 HR inspection IAW FAR 43.13 Appendix D and referencing the aircraft MM. Complied with AD 2016-23-03 Dated November 29, 2016 by visual inspection following the instructions section in Diamond Aircraft Industries GmbH (DAI) work instructions WI-MSB 40NG-046/2. Dated August 4, 2020, next due at AFTT 3471.10. I certify that this aircraft has been inspected IAW a 100 HR inspection and was found to be airworthy. This aircraft, no component(s) identified above was repaired, installed or inspected IAW regulations of FAA and was determined airworthy and approved for return to service only for the work performed. Details of the work are as follows at this repair station under work order 3310705 A&P. Date 03/13/2024

Signature: *[Signature]*
Bryan Braddock 3310705 A&P

Date: 3/13/2024

Registration: N113NG
AC Serial Number: 40 NC021
Airframe TT: 3471.10
WO: 1081

LIFT MAINTENANCE

Maintenance performed:
Complied with a 100 HR inspection IAW FAR 43.13 Appendix D and referencing the Diamond Aircraft MM. Complied with AD 2016-23-03 Dated November 29, 2016 by visual inspection following the instructions section in Diamond Aircraft Industries GmbH (DAI) work instructions WI-MSB 40NG-046/2. Dated August 4, 2020, next due at AFTT 3471.10. I certify that this aircraft has been inspected IAW a 100 HR inspection and was found to be airworthy. This aircraft, no component(s) identified above was repaired, installed or inspected IAW regulations of FAA and was determined airworthy and approved for return to service only for the work performed.

Signature: *[Signature]*
Bryan Braddock 3310705 A&P

Date: 4/26/2024

Registration: N113NG Aircraft SN: 40 NC021
Airframe TT: 3763.3 Work Order #: 7032
Removed & Replaced the Prop. Governor with overhauled
one Per Diamond DA-40 AMM 61-20-00. Ops and
Leak check good. No further defects noted at this time.
PN off: P-853-16 SN off: 15G196 I/G
PN on: P-853-16 SN on: 21G656-K/H.
Trapped for 4087361 A&P 23 Mar 2024.

Static

DATE / /	AIR TIME				LANDINGS / CYCLES	
	DAILY TOTAL		TOTAL		DAILY TOTAL	TOTAL
	HRS	MIN	HOURS	MIN		
CARRIED FORWARD						



3330 AIRPORT LOOP
SALISBURY, NC 28147
OFFICE: 704-431-8862
INFO@SOUTHTECAVIATION.COM

THIS AIRCRAFT HAS BEEN SERVICED IN ACCORDANCE WITH THE CURRENT DIAMOND DA40CNG
AND AUSTRO E4 SERIES MAINTENANCE MANUALS AND WAS DETERMINED TO BE IN AN
AIRWORTHY CONDITION.

AP 3581287



3330 AIRPORT LOOP
SALISBURY, NC 28147
OFFICE: 704-431-8862
INFO@SOUTHTECAVIATION.COM

Glenn M. Lawler

AP 2151925 IA

PAGE
TOTALS

LIFT MAINTENANCE

[illegible]

Date 6/14/2024

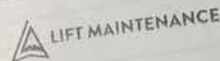


Registration: N1118G
AC Serial Number: 44-9C021
Expiry Date: 1992-20
WQ 1747

Altitude performed:
Properly fuelled fuel lines, engine harness and electrical lines for A/C and aircraft alternators.
Removed and replaced coolant line (P/N D44-2346-00-02) per Diamond DA40NG Austro AE300
SME took and ops check good.

Date: 6/19/2014

Date: 6/19/2024

[illegible]

11416-1/10/2024

ADC #1 PIN GSU75 S/N 45S000787 Tested to 20000 ft.
STBY-PIN 5934PD-3 S/N 510044 Tested to 20000 ft.
Altitude reporting sys. tested to 20000 ft.
Signed [Signature]
Date July 23, 2024 WO# 29717

Interstate Turbine Management
6070 Perimeter Rd. Charleston, SC 29406
Class 3, Radio Class 1, 2 & 3, Limited ratings
CRS# 11BR578Y

Date July 23, 2024 WO# 29717

Interstate Turbine Management
6070 Perimeter Rd. Charleston, SC 29406
Class 3, Radio Class 1, 2 & 3, Limited ratings
CRS# 11BR578Y

pitot
static

AIRFRAME TECHNICAL RECORD

Section 1: Airframe Log

This airframe log is a part of the permanent technical record for the aircraft described at the front of this log. Only information that is directly applicable to the airframe should be entered into this log. Information relating to engines, propellers, or other components having their own permanent technical records, should be maintained in separate records. Entries may be made either by writing directly in this log, or by the completion of separate printed reports, which are then pasted, stapled, or otherwise permanently attached to the applicable section of the log.

Users may adopt different date formats to conform to local convention. Upon commencing a new page, enter an example of the date format used in the space provided at the top of each date column. For example:

dd-mm-yyyy	(European format)
mmm dd,yyyy	("Microsoft" format)
yyyy.mm.dd	(military format)

Every effort must be made to remove the inherent ambiguity in dates such as "04/03/06" where the year or month is not immediately apparent. date entries on that page must then conform to the format indicated. When an entry takes up more than one row, draw a line through the cells of the affected rows to prevent the entry of unrelated information.

Maintenance may be recorded directly in this log, together with the applicable maintenance release, or it may be first recorded and entered in the aircraft journey log, and then transcribed into this log no later than thirty days following the events concerned. Where maintenance is recorded and certified in the journey log, there is no need for a second maintenance release when the details are transcribed into this log, but the name of the person making the transcription must be entered. Persons who transcribe entries are not responsible for the work described, but only for the accuracy of the transcription.

If an entry made in this technical record is **signed** and an **A&P** or **AME** licence number or an Aircraft Certifying Authority (ACA) reference and number are added adjacent to the signature, the entry constitutes a maintenance release indicating that the maintenance task described has been performed in accordance with the applicable airworthiness requirements.

On bringing this log into use, enter the appropriate volume number, the date, and other applicable information relating to the aircraft in the space provided.

Maintenance Task Entry:

For each maintenance task performed on the airframe (including the accomplishment of **Airworthiness Directives** and the removal and installation of items such as engines and propellers, that have their own permanent technical records) enter the date, total air time, total landings or cycles, and a brief description of the task, in the appropriate cells. Where information is transcribed from the aircraft journey log, the name of the person transcribing the information should be printed (not signed) in the signature cell, and a line struck through the "AME or AMO/ACA" cell.

Where the information is being recorded for the first time in this log, and relates to a task that requires a maintenance release, the person issuing the release must sign in the signature cell, and add his A&P or AME licence number, or where applicable, the ACA licence and AMO number, in the "AME or AMO/ACA" cell.

Applicable **Airworthiness Directives**, airworthiness limitations, and equivalent mandatory requirements are usually recorded in a separate volume (Aircraft Technical Record Section 2) in order to reduce the need to re-record this information each time a Section 1 volume is completed and filed.

Model: DA40 NG
S/N: 40 NC021
Reg # N113NG

CRAFT
FLIGHT TRAINING & SIMULATION

Date: 9/6/2024
Tach: 4186.9
ACTT: 4186.9

Performed a 100hr inspection IAW 14 CFR FAR 43.13 Appendix (D) using Diamond Aircraft DA40 NG AMM and Diamond

Aircraft Inspection Checklist as a guide.

1. ELT tested IAW CFR 91.207(d) Battery replacement due 5/2025

2. ECU Backup battery replaced Expires 9/2025

3. Inspected and repacked wheel bearings

4. Replaced fuel filter P/N: WK724_3

5. Removed, cleaned, inspected, and repacked wheel bearings and reinstalled

6. Wheels reinstalled and aircraft downjacked

7. Checked rudder cable tensions and adjusted to spec. Lubricated all flight controls

8. Interior reinstalled, access panels reinstalled

9. AD's researched biweekly thru this date, no new AD's apply at this time

10. AD 2016-23-03 Inspection of V-Clamp completed IAW Diamond Aircraft Industries GMBH Work instruction WI-MSB 40NG-

046, dated July 22, 2016. Next due in 100 flight hours TACH: 4286.9

Aircraft is approved for return to service at this time.

Aircraft inspected IAW a 100hr inspection and was determined to be in airworthy condition at this time.

Zachary Braddock
Zachary Braddock 3310705 A&P

Section 1: Airframe Log

DATE / /	AIR TIME				LANDINGS / CYCLES	
	DAILY TOTAL		TOTAL		DAILY TOTAL	TOTAL
	HRS	MIN	HOURS	MIN		
CARRIED FORWARD						



DATE: NOVEMBER 14, 2024 | DIAMOND DA40 NG | S/N: 40.NC021 | REG: N113NG
TACH: 4289.1 HOURS TTAF: 4289.1 HOURS

3330 AIRPORT LOOP
SALISBURY, NC 28147
OFFICE: 704-431-9862
INFO@SOUTHTECAVIATION.COM

100 HR INSPECTION COMPLETED THIS DATE USING DIAMOND AIRCRAFT DA40 NG INSPECTION CHECKLIST AND AIRPLANE MAINTENANCE MANUAL.
CHECKED AD'S THROUGH LATEST DATE.

AD2016-23-03 TURBOCHARGER V-CLAMP INSPECTION: COMPLIED WITH BY INSPECTION IN ACCORDANCE WITH DIAMOND MSB40NG-046/2 AND DIAMOND WI-MSB40NG-046 DATED FEBRUARY 01, 2017. NO DEFECTS FOUND. NEXT DUE AT AIRCRAFT TOTAL TIME 4389.1 HOURS
AD 22-13-06 BAGGAGE NET INSPECTION COMPLETED BY INSPECTED

ELT TESTED IN ACCORDANCE WITH CFR 91.207(D), BATTERY EXPIRES MAY 2025
REPLACED FUEL FILTER ELEMENT.
REPLACED NOSE GEAR FORK PIVOT BUSHINGS.
REPLACED CANOPY HANDLE GAS STRUT.
REPLACED PASSENGER DOOR GAS STRUT.
COMPLETED ATA CHAP 51 ELECTRICAL BONDING TEST. DUE IN 2028 OR AT 5289.1 HRS.
REPLACED 3 STATIC WICKS.
COMPLETED ESSENCIALS BUSS INSPECTION, NEXT DUE 4 YEARS OS 5289.1 HRS
CLEANED ELEVATOR TROM WHEEL, SET TO CORRECT PRESSIRE.
REPLACED GASCOLATOR FILTER WITH NEW ELEMENT.
REPLACED BROKEN FUEL PUMP SWITCH. INSTALLED NEW SWITCH P/N 7101K2A2QE.
REPLACED BRAKE PADS BOTH LH AND RH PADS. P/N RA066-141.
REPLACED BREAK DISK BOTH LH AND RH. P/N 164-24400
INSTALLED NEW O-RINGS ON PUCKS AND FILLED WITH NEW 56-06 FLUID.
INSPECTED NLG FOR CRACKS AND NONE FOUND AT THIS TIME.
REBUILT NOSE GEAR ELASTOMER PACK, INSTALLED ALL NEW RUBBER PUCKS.
REPLACED NOSE GEAR FORK BUSHINGS AND ADJUSRED FOR CORRECT FRICTION.
REPLACED ENGINE AIR FILTER ITH NEW K&N RU-1620 DUE AGAIN IN NOVEMBER 2026.
REPAIRED FUEL FILTER COVER.
RESEALED TAIL FIN WITH MAIRINE 4000 SEALANT.
RE APPLIED HEAD LINEW WITH NEW VELCRO AND 1300 ADHESIVE.

I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A 100HR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

Glenn M. Lawler
GLENN M. LAWLER

TOTALS A&P 2151929 IA
CAPTY FORWARD TO TOP OF NEXT PAGE

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
20,000		20,000	
458000287		S/N: 510044	
INSPECTOR: N113NG		INSPECTOR: Richard Ellington	
DATE: 11-14-2024		W/O: 12103	
		MODEL: 6724SR	
		S/N: 3EHO2058	
		W/O: 12103	
		INSPECTOR: Richard Ellington	
		W/O: 12103	
		MODEL: 6724SR	
		S/N: 3EHO2058	
		W/O: 12103	
		INSPECTOR: Richard Ellington	
		W/O: 12103	
		MODEL: 6724SR	
		S/N: 3EHO2058	
		W/O: 12103	
		INSPECTOR: Richard Ellington	
		W/O: 12103	
		MODEL: 6724SR	
		S/N: 3EHO2058	
		W/O: 12103	
		INSPECTOR: Richard Ellington	
		W/O: 12103	
		MODEL: 6724SR	
		S/N: 3EHO2058	
		W/O: 12103	
		INSPECTOR: Richard Ellington	
		W/O: 12103	
		MODEL: 6724SR	
		S/N: 3EHO2058	
		W/O: 12103	
		INSPECTOR: Richard Ellington	
		W/O: 12103	
		MODEL: 6724SR	
		S/N: 3EHO2058	
		W/O: 12103	
		INSPECTOR: Richard Ellington	
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		MODEL: 6724SR	
		S/N: 3EHO2058	
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		INSPECTOR: Richard Ellington	
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		S/N: 3EHO2058	
		W/O: 12103	
		INSPECTOR: Richard Ellington	
		W/O: 12103	
		MODEL: 6724SR	
		S/N: 3EHO2058	
		W/O: 12103	
		INSPECTOR: Richard Ellington	
		W/O: 12103	
		MODEL: 6724SR	
		S/N: 3EHO2058	
		W/O: 12103	
		INSPECTOR: Richard Ellington	
		W/O: 12103	
		MODEL: 6724SR	
		S/N: 3EHO2058	
		W/O: 12103	
		INSPECTOR: Richard Ellington	
		W/O: 12103	
		MODEL: 6724SR	
		S/N: 3EHO2058	
		W/O: 12103	
		INSPECTOR: Richard Ellington	
		W/O: 12103	
		MODEL: 6724SR	
		S/N: 3EHO2058	
		W/O: 12103	
		INSPECTOR: Richard Ellington	
		W/O: 12103	
		MODEL: 6724SR	
		S/N: 3EHO2058	
		W/O: 12103	
		INSPECTOR: Richard Ellington	
		W/O: 12103	
		MODEL: 6724SR	
		S/N: 3EHO2058	
		W/O: 12103	
		INSPECTOR: Richard Ellington	
		W/O: 12103	
		MODEL: 6724SR	
		S/N: 3EHO2058	
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		MODEL: 6724SR	
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		INSPECTOR: Richard Ellington	
		W/O: 12103	
		MODEL: 6724SR	
		S/N: 3EHO2058	
		W/O: 12103	
		INSPECTOR: Richard Ellington	
		W/O: 12103	
		MODEL: 6724SR	
		S/N: 3EHO2058	
		W/O: 12103	
		INSPECTOR: Richard Ellington	
		W/O: 12103	
		MODEL: 6724SR	
		S/N: 3EHO2058	
		W/O: 12103	
		INSPECTOR: Richard Ellington	
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		MODEL: 6724SR	
		S/N: 3EHO2058	
		W/O: 12103	
		INSPECTOR: Richard Ellington	
		W/O: 12103	
		MODEL: 6724SR	
		S/N: 3EHO2058	
		W/O: 12103	
		INSPECTOR: Richard Ellington	
		W/O: 12103	
		MODEL: 6724SR	
		S/N: 3EHO2058	
		W/O: 12103	
		INSPECTOR: Richard Ellington	
		W/O: 12103	
		MODEL: 6724SR	
		S/N: 3EHO2058	
		W/O: 12103	
		INSPECTOR: Richard Ellington	
		W/O: 12103	
		MODEL: 6724SR	
		S/N: 3EHO2058	
		W/O: 12103	
		INSPECTOR: Richard Ellington	
		W/O: 12103	
		MODEL: 6724SR	
		S/N: 3EHO2058	
		W/O: 12103	
		INSPECTOR: Richard Ellington	
		W/O: 12103	
		MODEL: 6724SR	
		S/N: 3EHO2058	
		W/O: 12103	
		INSPECTOR: Richard Ellington	
		W/O: 12103	
		MODEL: 6724SR	
		S/N: 3EHO2058	
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		W/O: 12103	
		INSPECTOR: Richard Ellington	
		W/O: 12103	
		MODEL: 6724SR	
		S/N: 3EHO2058	
		W/O: 12103	
		INSPECTOR: Richard Ellington	
		W/O: 12103	
		MODEL: 6724SR	
		S/N: 3EHO2058	
		W/O: 12103	
		INSPECTOR: Richard Ellington	
		W/O: 12103	
		MODEL: 6724SR	
		S/N: 3EHO2058	
		W/O: 12103	
		INSPECTOR: Richard Ellington	
		W/O: 12103	
		MODEL: 6724SR	
		S/N: 3EHO2058	
		W/O: 12103	
		INSPECTOR: Richard Ellington	
		W/O: 12103	
		MODEL: 6724SR	
		S/N: 3EHO2058	
		W/O: 12103	
		INSPECTOR: Richard Ellington	
		W/O: 12103	
		MODEL: 6724SR	
		S/N: 3EHO2058	
		W/O: 12103	
		INSPECTOR: Richard Ellington	
		W/O: 12103	
		MODEL: 6724SR	
		S/N: 3EHO2058	
		W/O: 12103	
		INSPECTOR: Richard Ellington	
		W/O: 12103	
		MODEL: 6724SR	
		S/N: 3EHO2058	
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		W/O: 12103	
		INSPECTOR: Richard Ellington	
		W/O: 12103	
		MODEL: 6724SR	
		S/N: 3EHO2058	
		W/O: 12103	
		INSPECTOR: Richard Ellington	
		W/O: 12103	
		MODEL: 6724SR	
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		INSPECTOR: Richard Ellington	
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		INSPECTOR: Richard Ellington	
		W/O: 12103	
		MODEL: 6724SR	
		S/N: 3EHO2058	
		W/O: 12103	
		INSPECTOR: Richard Ellington	
		W/O: 12103	
		MODEL: 6724SR	
		S/N: 3EHO2058	
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[illegible]

Cleaned, lubed and serviced aircraft as per FAR 43 app D, with AC43.13 and Diamond DA 40 NG AMM FAR 91.207 - ELT test and inspection per. ELT battery due MAY/2025.
FAR 91.411 - (IFR) Altimeter and altitude reporting system 24 month check due NOV/2026.
FAR 91.411 - (IFR) Altimeter and altitude reporting system 24 month check due NOV/2026.
FAR 91.413 - ATC transponder test and inspection 24 month check due NOV/2026.
Cleaned gapped and rotated spark plugs. Cleaned and repacked all wheel bearings.

Recurrent ADs have been complied with as indicated below.

AD number	RE	Description	Method of compliance	Compliance/ Next due
2016-23-03	Y	Turbo Charger V clamp inspection	Visual Insp	4488.3 / Annual
22-13-08	Y	Baggage net inspection	Visual Insp	4488.3/Annual
2013-08-21	Y	Turbo Charged Air tubing	Visual Insp	4488.3/Annual
Airframe	TT	4388.3	Tach	4388.3
Eng	TT	494.5	SMOH	494.5
Propeller	TT	1369.8	SMOH	1542.5

I certify that this aircraft has been inspected in accordance with a 100 HR inspection and has been found to be in an airworthy condition

Harry Ketchel - A&P# 2790864

PAGE
TOTALS

CARRY FORWARD to Top of Next Page

DIAMOND DATA
N113NG - MARCH 03, 2025
Electric standby attitude indicator Inop. Rem/Rep Standby Attitude Indicator as required. Ops check good.
All work Per DA40NG MM
PIN REM INST: 4300-206
S/N REM: B18-10893
S/N INST: E2212166
Harry Ketschel - A&P# 2790864

NIIG- MAR 8, 2014 43 appx D, with
 Cleaned, labeled and serviced aircraft as per ELT battery due NOV/2026.
 PAR 91.207 - ELT test and inspection per ELT battery due MAY/2025.
 PAR 91.411 - (IFR) Altimeter and altitude reporting system 24 month check due NOV/2026.
 PAR 91.413 - ATC transponder test and inspection 24 month check due NOV/2026.
 Cleaned and repacked all wheel bearings.
EMERGENCY BATTERY DUE:
 Complied with as indicated below.

	Method of compliance	Com
Complied with as indicated below.		

Description	Inspection
ADs have been complied with as indicated below.	

Accident ADs	RE	Description	Method of compliance	Compliance/ Next due
2016-24-03	Y	Turbo Charger V clamp inspection	Visual Insp	4488.3 / Annual
22-13-48	Y	Baggage net inspection	Visual Insp	4488.3/Annual
2013-08-21	Y	Turbo Charged Air tubing	Visual Insp	4488.3/Annual
Airframe	TT	4403.3	Tach	4403.3
Eng	TT	559.5	SMOH	559.5
Propeller	TT	1434.8	SMOH	1607.5

Airframe	TT	559.5	SMOH	1607.5
Eng	TT	1434.8		
Propeller				

I certify that this aircraft has been inspected in accordance with a 100 HR/ANNUAL inspection and has been found to be in an airworthy condition

[Signature]

found to be in an all-way
Harry Ketchel - A&P# 2790864

Model: DA40NG
S/N: 40-NL021
Req# N113NG

2440NH
40-NC021
NHSNG
Installed new airhawk tire and 15x6 tire and Acculastic
tube p/n 66-152013 on right MG wheel. Removed, cleaned, and lubricate
RMG wheel bearings. Aircraft approved for RTE AT.
William Tankersley ARP-6742427 William Tankersley

DATE / /	AIR TIME				LANDINGS / CYCLES	
	DAILY TOTAL		TOTAL		DAILY TOTAL	TOTAL
	HRS	MIN	HOURS	MIN		
CARRIED FORWARD						

DETAILS OF TASK
(INSPECTION, REPAIRS & ...)

REG: N113NG AC/S/N: 40.NC021 TACH: 4453.2
WO: N/A Date: 1/24/2003

inspected left MLO wheel
installed new Goodyear F140
6.5-6 tire P/N 156F61-3 with new
left MLO wheel assembly. All
reference to Diamond DA40C
(2.

Authorized Release Certificate
FAA Form 8130-3, Airworthiness Approval Tag

IR TIRE & RUBBER CO.
SINESS CENTER DRIVE
IDGE CA 92081

GOODYEAR TIRE & RUBBER CO.
1901 GOODYEAR BLVD

NI13NG-MAY 23, 2025 DIAMOND DA40 S/N-40.NC021

Cleaned, lubed and serviced aircraft as per FAR 43 appx D, with AC43.13 and Diamond DA 40 NG AMM
FAR 91.207 - ELT test and inspection perf. ELT battery due MAY/2025.
FAR 91.411 - (IFR) Altimeter and altitude reporting system 24 month check due NOV/2026.
FAR 91.413 - ATC transponder test and inspection 24 month check due NOV/2026.
Cleaned and repacked all wheel bearings.

Recurrent ADs have been complied with as indicated below.

Recurrent ADs have been implied with as indicated below:				Method of compliance	Compliance/Next due
AD number	RE	Description		Visual Insp	4602.7 / Annual
2016-23-03	Y	Turbo Charger V clamp inspection		Visual Insp	4602.7/Annual
22-13-08	Y	Baggage net inspection			
Airframe	TT	4502.7	Tach	4502.7	
Eng	TT	658.9	SMOH	658.9	
Propeller	TT	1534.2	SMOH	1706.9	

I certify that this aircraft has been inspected in accordance with a 100 HR inspection and has been found to be in an airworthy condition

Harry Ketchel - A&P# 2790864

AC: Diamond DA40NG HOBBS: 6251.1	REG: N113NG Cycles: N/A	AC S/N: 40 NC201 WO: N/A	TACH: 4521.4 Date: 6/2/2025
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Controlled with the following inspections / Tasks:
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Replaced ELT battery.

The article identified above was repaired and inspected in accordance with current FAA regulations and was found to be airworthy and is approved for return to service. I certify this airframe has been inspected in accordance with the above listed inspection and found to be airworthy.

PA
TOT William J. Tankersley
A&P 4742427

REG: NIJ/DNG
Cyclist: N/A

AC S/N: 40 NC251
 2/0/2/1/1TACH: 45142
 7-11-68 45780

Maintenance items:
Removed Midcontinent attitude indicator P/N 4300-206
S/N E22-12166 and installed Midcontinent attitude
indicator P/N 4300-206 S/N E17-100R2 removed from
N970DA at tach time 1875.3.

AC: Diamond DA40 NG
HOURS: REAG: Cycles: N/A

Complied with the following inspections / Tasks:

Removed standby attitude indicator and installed serviceable
from N9790A

The article identified above was repaired and inspected in accordance with current FAA regulations and was found to be airworthy and is approved for return to service. I certify this inspection was conducted in accordance with the above regulations and is airworthy.

William J. Tankersley
407-4742427

WO 113NG-53

Special Services Corporation - 10 Opportunity Place, Suite A - Greenville, SC 29607 - 864-242-3383

March 02, 2025

N113NG 4601.8

Article 11-400

- [illegible]

[illegible]

Work was also performed by Dan Ebersole, Mark Springer, and Travis Thompson.

With respect to the work performed, this aircraft is approved for return to
Corporation under work order: WO_113NG-53

Christopher L. Nelson I.A. 3599098

Wo: WO_113NG-189

Special Services Corporation - 10 Opportunity Place, Suite A - Greenville, SC 29607 - 864-242-3383

N113NG
HOBBS: 6471.7
PROPELLER TT: 1845.6

DIAMOND AIRCRAFT IND INC, DA 40 NG, S/N: 40.NC021
TACH: 4691.4
Airframe TT: 4691.4

ENGINE TT: 797.6

- Airframe TT: 4691.4
ENGINE TT: 787.6
June 01, 2005
1. Performed 100 hour inspection on scope and detail of 14 CFR 43 FAR appendix D. IAW D440 NG AM 28-20-00. Leak check good.
 2. Complied with recurring inspection of turbocharger clamp IAW AD 2016-23-03; no discrepancies noted. Inspection next due in 180 hours (Tach: 4781.4).
 3. Installed a new tire PN 158E61-3 S/N 534402196 on the LH landing gear. Installed (2 EA) P/N 097-500-0 - Tube, 15x6.0-6, Michelin.
 4. Installed a new tire PN 158E61-3 S/N 534402112 on the RH landing gear. Installed (2 EA) P/N 097-500-0 - Tube, 15x6.0-6, Michelin.
 5. Turbocharger rudder pedal adjustment circuit: found rocker switch defective; removed and replaced switch with new PN: 15891407. Ops check good.
 6. Inspected additional alternator output system; found alternator output stud loose. Removed alternator, secured stud and reinstalled alternator.
 7. IAW D40 NG AM 61-10-00.
 8. Checked air conditioner flapper. No further action at this time.
 9. Removed and replaced coolant pipe clamp at upper gear box bracket with new PN: MS21919WDG22.
 10. Removed and replaced grip tape on pilot's and copilot's rudder pedals as required.
 11. Removed and replaced alternator intake hose with new during PN: HTD-12.
- Work was also performed by Dan Smith

Work was also performed by Dan Ebersole, Travis Thompson, and Mark Springer. I certify that this aircraft has been inspected and has been found to be in compliance with the applicable FARs.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Special Services Corporation under work order: WO_113NG-189.

Christopher L. Nelson A&P 3599098

PAGE
TOTALS

CARRY FORWARD to Top of Next Page

Airframe - page 1 of 1

APR 1973 11 2943-250

Special Services Corporation 10 Opportunity Place, Suite A - Greenville, SC 29607 864-242-3383

August 04, 2026

REF: 5003
DATE: 04/20/01
TIME: 10:47

Replaced main battery pr. RG24-15 sn off: 40915674 sn on: 41520942 IAW G4A0NG MM.

work performed, this airframe
WO 113NG-250

Wilson AAP 3599096

NO. WO 113NG-255

Special Services Corporation | 10 Opportunity Place, Suite A - Greenville, SC 29607 - 864-242-3383

August 07, 2026

NIJING

DIAMOND AIRCRAFT IND INC, DA 40 NG, S/N: 40.NC021
TACH: 4694.6 Airframe TT: 4694.6

- NTING
HOBBS: 6477.4

Work performed by Mark Springer, and Dan Ebersole.
With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Special Services Corporation under work order: WO_113NG-255.

Christopher L. Nelson A&P 3599098