

# AIRFRAME LOG SCAN

N2287A (formerly N500DH)

Diamond DA40

Airframe SN 40.226

# **AIRCRAFT TECHNICAL LOGS**

**Section 1. AIRFRAME**

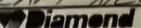
**AIRCRAFT**

1. Nationality and Registration AV500DH N2287A
2. Manufacturer's Designation DA40
3. Manufacturer's Serial Number 40.226
4. Type Approval or Specification Number A-224/A47CE
5. Date of Manufacture 2002
6. Aircraft Inspection Cycle \_\_\_\_\_

## AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.	
	HRS.	MIN.	HRS.	MIN.
BROUGHT FORWARD	0	0	0	0

ENGINEERING RECORD  
NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETION

AIRCRAFT NEW  


 Diamond

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

SERIAL NUMBER

REGISTRATION MARK

40.226

N500DH

02 AUGUST 2002 S/N 40.226  
COMPASS DEVIATION, ALL ELECTRICS ON

FOR	N	30	60	E	120	150
STEER	356	028	057	090	119	150
FOR	S	210	240	W	300	330
STEER	177	208	240	270	300	329



## INDEPENDENT CHECK OF FLIGHT AND POWERPLANT CONTROLS

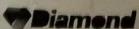
DATE

02 August, 2002

INSPECTOR

DA  
Q5

02 AUG 2002	0	0	0	AIRCRAFT SERVICABLE FOR FLIGHT
02 AUG 2002			0.5	
03 AUG 2002			0.5	AIRCRAFT IS SERVICEABLE
03 AUG 2002			1.9	
06 AUG 2002			1.9	AIRCRAFT IS SERVICEABLE
06 AUG 2002			3.2	
06 AUG 2002			4.0	
06 AUG 2002			4.4	
09 AUG 2002			4.4	ALL SNAKS RECTIFIED



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

I HEREBY CERTIFY THAT THIS AIRCRAFT CONFORMS TO THE  
APPROVED TYPE DESIGN DATA AND IS IN A FIT AND SAFE STATE  
FOR FLIGHT.

DATE

09 August, 2002

INSPECTOR

DA  
Q13

44

CARRIED FORWARD



## AIR TIME AND



DAILY TOTAL	TOTAL AIR TIME SINCE MFG.
MIN.	HR.

NOTE: USE BOTH PAGES AND AS MANY LINES  
AS REQUIRED FOR COMPLETION

RECORD

Sierra Mountain Aviation, Inc.  
13308 Nevada City Ave  
Grass Valley, Ca 95945

N500DH Airframe  
Tach: 1288.8 H038518.9  
Date: 5/04/07 Work Order: 12831

Compiled with Mandatory Service Bulletin 40-030/3 by installation of fuel shaft, P.N. D41-2823-20-00CS, Rev. A.

Signature: *D.L. Grass*  
Daniel L. Grass A/P I.A. 561979220  
Sierra Mountain Aviation, Inc. 530.273.5273



Sierra Mountain Aviation, Inc.  
13308 Nevada City Ave  
Grass Valley, Ca 95945

N500DH Airframe  
Tach: 355.1 Total Time: 355.1  
Date: 9/10/2007 Work Order: 12935

Performed a Annual/100 Inspection and service per SMA checklist and Diamond 100 Hr checklist  
Inspected and tested ELT unit tested in accordance with FAR 91-207 (d), battery due again 08/2011  
Loosened fuel line fitting at right main gear, cleaned and retightened  
Installed a new tube in the nose tire, 5.00X5  
Rotated main tires

I certify this aircraft has been inspected in accordance with an Annual/100 HR inspection and was determined to be in airworthy condition

Signature: *G.W. Rose*  
Gerald W. Rose A/P I.A. 567495144  
Sierra Mountain Aviation, Inc. 530.273.5273



Sierra Mountain Aviation, Inc.  
13308 Nevada City Ave  
Grass Valley, Ca 95945

N500DH Airframe  
Tach: 376.8 Work Order: 13031  
Date: 3/18/08

Installed a new aircraft battery, P.N. CB24-11M, S.N. 40201697

Signature: *G.W. Rose*  
Gerald W. Rose 567495144  
Sierra Mountain Aviation, Inc. 530.273.5273

I certify that the Altimeter, Static System, & Altitude Reporting tests required by FAR 91.411, and the Transponder tests required by FAR 91.413 have been performed IAW FAR 43 App E & H

Altimeter tested to 20000 ft. N 500DH

IAW FAR 43 App. E on 5 JUN 08

Signed G.W. Rose Date 5 JUN 08  
Northeast Services Inc WR3R955L Time 97.9

Dated 5 JUN 08  
*G.W. Rose*

Reads	Act
-1000	-
0	-
500	-
1000	-
1500	-
2000	-
3000	-
4000	-
6000	-
8000	-
+2	-
+1	-
+5	-
-1	-
-5	-
-2	-

Scal

Alt

## UNITED INSTRUMENTS, INC.

## SCALE CORRECTIONS

Alt. Reads	Add Algebraically	
	Room Temp. °C	Low Temp. °C
-1000	-12	
0	-15	
500	-15	
1000	-18	
1500	-20	
2000	-15	
3000	-10	
4000	-12	
6000	-25	
8000	-40	
10000	-45	
12000	-40	
14000	-42	
16000	-35	
18000	-25	
20000	-15	
22000		

ALTIMETER SER. NO. 425588

Alt. Reads	Add Algebraically	
	Room Temp. °C	Low Temp. °C
25000		
30000		
35000		
40000		
45000		
50000		

NTRI

Dial  
I certify t  
System(s  
571,

02 Aug

Dial

DATE: 02 AUG 2002  
TESTED BY: SM

INSPECTED BY: Th

Form No. 0017

I certify that the Static Pressure System has been  
inspected and tested in accordance with Chapter 571,  
Appendix B of the Airworthiness Manual, and F.A.R.  
91:411

DATE

INSPECTOR

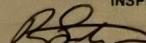
02 August, 2002

(DA  
013)

DATE

02 August, 2002

INSPECTOR

(DA  
013)(DA  
013)U.S. STANDARD AIRWORTHINESS CERTIFICATE  
ISSUED

DATE: 12 Aug 2002 AND INSTALLED IN THE

AIRCRAFT ON BEHALF OF THE F.A.A. ON:

DATE: 12 Aug 2002

NR-M100-46



SIGNATURE	LICENCE NUMBER

Tested in Accordance with Chapter 571,  
Airworthiness Manual and F.A.R. 91:207(d)

EXPIRATION DUE: JULY 2003

RETEST DUE: JANUARY 2008

INSPECTOR

(DA  
013)

## ENGINEERING RECORD

INSPECTION, REPAIRS &amp; REPLACEMENT

NTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE  
NUMBER

## Diamond

I certify that the ATC Transponder & Altitude Reporting System(s) have been tested in Accordance with Chapter 571, Appendix F F.A.R. 91:217; & F.A.R. 91:413.

DATE

INSPECTOR

02 August, 2002

*RSD*DA  
Q 13

## Diamond

The ELT was tested and inspected in Accordance with Chapter 571, Appendix G of the Airworthiness Manual and F.A.R. 91:207(d)

ANNUAL INSPECTION DUE: JULY 2003

BATTERY DUE: JANUARY 2008

DATE

INSPECTOR

02 August, 2002

*RSD*DA  
Q 13

## Diamond

I certify that the Static Pressure system has been inspected and tested in accordance with Chapter 571, Appendix B of the Airworthiness Manual, and F.A.R. 91:411

DATE

INSPECTOR

02 August, 2002

*RSD*DA  
Q 13

## Diamond

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

THIS AIRCRAFT WAS INSPECTED FOR CONFORMITY TO APPLICABLE COMPANY RELEASED DOCUMENTS (DRAWINGS, SPECIFICATIONS, CONCESSIONS) AND IS SERVICEABLE.

DATE

INSPECTOR

02 August, 2002

*RSD*DA  
Q 13DA  
Q 13

CL274363

DA  
Q 13

## Diamond

U.S. STANDARD AIRWORTHINESS CERTIFICATE  
ISSUEDDATE: 12 Aug 2002 AND INSTALLED IN THE

AIRCRAFT ON BEHALF OF THE F.A.A. ON:

DATE: 12 Aug 2002

NR-M100-46



## AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETION
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD			41	4	
* * * * *					
					LOGBOOK ENTRY Dated 8/20/02 Diamond Model DA-40 Reg #N500DH Installed Goodrich Skywatch Traffic Advisory System model Sky497 per 337 this date. WT & Bal and equipment list amended. <i>Chris Jamer</i>
					Signed <i>Chris Jamer</i> For Denver Avionics Inc.
					* * * * *
9-13-2002	43	3	43	3	PERFORMED FIRST 25 HR COMPLETED 25/50/100 HR CHECK LIST. AIRED UP TIRES, CHECKED ADJUSTED TURN COORDINATOR RESEALED GAS CAGULATOR BOWL RIGHT HAND SIDE DOOR OUTBD WORK DONE IN REFEARCE
9-19-2002	44	3	44	3	REPLACED DEFECTIVE FULL TESTED SYSTEM VMIU00 FOR
					CARRIED FORWARD

**CARRIED FORWARD**

## INSPECTION, REPAIRS &amp; REPLACEMENT

NOTES: DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE  
NUMBER

D. Stu

DA  
9-13

## 100HR INSPECTION.

## ITEMS PER DA 40 MAINTENANCE

LIGHTS, BATTERY AND SERVICED BRAKE RESERVOIR  
FOR LEVEL., CHECKED TORQUE ON FUEL HOSE FITTING  
OF LANDING GEAR LEG.

TO DIAMOND DA-40 MAINTENANCE MANAGER

DATE 9-13-2002  
I CERTIFY THAT THIS ~~100HR~~  
HAS BEEN INSPECTED IN ACCORDANCE  
WITH ~~100HR~~ INSPECTION  
AND WAS DETERMINED TO BE IN  
AIRWORTHY CONDITION.  
W.O. 11346 TT 47.3  
SIERRA MOUNTAIN AVIATION, INC.

L. Stu AHS07495144

PRESSURE TRANSDUCER P/N3010017  
FUEL PRESSURE OK NO LEAKS (S/N 80382)

L. Stu AHS07495144

## ENGINEERING RECORD 3

INSPECTION, REPAIRS & REPLACEMENT  
DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE  
NUMBER

COMPLETED 25/50/100 HR ITEMS  
 SERVICED BATTERY, & BRAKE FLUIDS  
 RIGHT MAIN TIRE REPLACED LTH.  
 RESET SHIM TO CORRECT TO MACH TO 8115  
 COOL HEAT SHIELD

INSPECTED AND TESTED EL12  
 UNIT IN ACCORDANCE WITH  
 FAR 91.207 (b) BATTERY DUE 8-09

MAGNETIC.  
 MAIN FAIRING.  
 WITH FACTORY NEW PART. SN 75516  
 OK

DA 40 MAINTINANCE MANUAL  
 BEARING PUSHING (WASHER PER INSTRUCTIONS) *OK*

DATE 8-12-2003  
 I CERTIFY THAT THIS AIRCRAFT  
 HAS BEEN INSPECTED IN ACCORDANCE WITH FAR 91.207  
 INSPECTION  
 AND WAS DETERMINED TO BE IN  
 AIRWORTHY CONDITION  
 W.O. 11/1999 AT 188.3  
 SIERRA MOUNTAIN AVIATION, INC.  
 A&P, I.A. 562495144

TANKS AND FUEL  
 2817-22-00 SN L150A  
 AIR RS # ZUVR020  
 PN 3010011-W1P SN  
 REINSTALLED IN  
 AND GANGLS (ON)  
 HANVOL OK

LOREE AIR  
 3822 DOGWOOD LANE  
 PLACERVILLE, CA 95667  
 (530) 626-0691

SERVICEABLE  
 FAA #ZUVR061J

CUSTOMER SIERRA MOUNTAIN AVIATION  
 UNIT NAME FUEL TANK KIT INBO.  
 P/N. TYPE 2817-22-00 SER # L150A  
 TYPE OF SERVICE  
 SERVICE  
 MECHANIC *John Doe* DATE 7-1-04

## AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETION
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD					

Registration	N500DH	Date	May 15, 2003
Make	Diamond	Hobbs	166.0
Model	DA40	Tach	132.0
Serial No.	40.226	TTAF	132.0
Work Order No.	790		

13310 Nevada City Ave.  
Grass Valley, CA 95945  
(530) 477-7701

## Description of Inspections, Tests, Repairs, and Alterations.

- 1 Replaced both main tires w/ new p/n 30844 and tube w/ new p/n 6.00-6.
- 2 Replaced both sets of brake pads w/ new p/n 066-14100.

Approved for return to service.

Signature *Serge Baileus*

Certificate No. 561795804 A&amp;P

8-12-2003 188.3 188.3

ANNUAL INSPECTION 8C919  
PER DA 40 MAINTINANCE MANUAL  
GREASED WHEEL BEARINGS, BOTH  
CHISELED MAIN GEAR TOE & CAMELL  
REPLACED LOOSE RIVETS ON LT  
SWING & ADJUSTED COMPASS  
REPAIRED SMALL CRACK IN LH  
REPLACED FUEL PRESSURE TRANSMITTER  
REMOVED SN 80382 LEAK CHECKED  
WORK DONE IN REFERENCE TO  
INSTALLED DA40-180 RUDDER PIV

7-2-04 228.7 228.7

REMOVED LIGHT WING, FUEL  
INBOARD FUEL TANK PN DHL  
SMALL PIN HOLE'S BY LOSE  
INSTALLED NEW FUEL PUMP  
REINSTALLED TANKS IN WING  
FUELED, CHECK FOR LEAKS  
C/N (MSR 40-030) FUEL SELECTOR

CARRIED FORWARD



Sierra Mountain Aviation, Inc.  
13308 Nevada City Ave  
Grass Valley, Ca 95945

## N500DH Airframe

Tach: 267.0 Total Time: 267.0

Date: 7/25/2005 Work Order: 12422

Performed an Annual/100 Inspection and service items per SMA checklist

Inspected and tested ELT unit in accordance with FAR 91-207 (d) battery due again (08/09)

Changed out right head set resistor with owner supplied resistor

Replaced (1) AA battery in clock

I certify this aircraft has been ins.

I certify this aircraft has been inspected in accordance with FAR 21.130 and  
was determined to be in airworthy condition

Signature

~~Gerald W. Rose A&P/I.A. 567495144~~

Sierra Mountain Aviation, Inc. 530.273.5273

Scale	Altitude	Reads	Add	1000	5	-1000	0	-10	500	-5	1000	-10	1500	-5	2000	-5	3000	-5	4000	1	6000	+5	8000	+5	
ENTRIES. DRAW A C																									

ORD

4

Scale C

Altitude

Reads

Add

1000 5 -1000 0 -10 500 -5 1000 -10 1500 -5 2000 -5 3000 -5 4000 1 6000 +5 8000 +5

Date 12 JUN 06  
Tested by *Gerry*

COLUMNS. SIGNATURE LICENCE NUMBER

SERVICE, 25/50/100 HR ITEMS COMPLETED  
SERVICED BRAKS AND BATTERY FLUIDS.

CE MANUAL AND CHECK LIST  
— END —

*Gerald W. Rose*  
A.P. I.A. 567495144

DATE 7-22-2004  
I CERTIFY THAT THIS AIRCRAFT  
HAS BEEN INSPECTED IN ACCORDANCE  
WITH ANNUAL INSPECTION  
AND WAS DETERMINED TO BE IN  
AIRWORTHY CONDITION.  
W.O. 12137 T.T. 229.1  
SIERRA MOUNTAIN AVIATION, INC.

INSPECTED AND TESTED FIT  
UNIT IN ACCORDANCE WITH  
FAR 91.207 (b) BATTERY DUE 8-00

I certify that the Altimeter, Static System, & Altitude Reporting tests required by FAR 91.411, and the Transponder tests required by FAR 91.413 have been performed IAW FAR 43 App E & F.  
Altimeter tested to 20000 FT N 500DH  
IAW FAR 43 App. E on 12 JUN 06  
Signed *Gerry* Date 12 JUN 06  
Northcoast Services crs 4VR3R955L Time 237.6

Sierra Mountain Aviation, Inc.  
13308 Nevada City Ave  
Grass Valley, Ca 95945

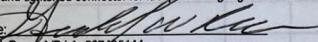
N500DH Airframe  
Tach: 283.2 Total Time: 283.2  
Date: 08/11/2006 Work Order: 12676  
Performed an Annual/100 Inspection and service items per SMA and Diamond checklist  
ELT unit tested in accordance with FAR 91-207 (d) battery due again 08/09  
Re-torqued all headset jacks  
Installed new brake pads on left/right brake assemblies  
Installed new cups and cones on left/right main landing gear inboard wheel halves  
Installed new nose tire, Michelin 5.00-5X6 ply and re-packed wheel bearings  
Installed (2) new tires main landing gear, Michelin Airs 6.00-6X6 ply  
Installed 28 new MN1500 Duracell batteries in Aux bus

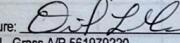
I certify this aircraft has been inspected in accordance with an Annual/100HR inspection  
and was determined to be in airworthy condition.

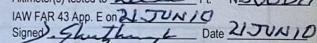
Signature: *Gerald W. Rose*  
Gerald W. Rose A.P.I.A. 567495144  
Sierra Mountain Aviation, Inc. 530.273.5273

## AIR TIME AND

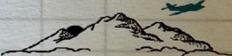
Altimete

		TOTAL AIR TIME SINCE NOS.	
		MIN.	SEC.
Sierra Mountain Aviation, Inc.		N500DH Airframe	
13308 Nevada City Ave		Tach: 313.1	NOTE: USE BOTH PAGES
Grass Valley, Ca 95945		Date: 3/13/07	WOF ID A
Work Order: 12789			
Removed, cleaned and reinstalled pilots overhead light assembly			
Installed new Hobbs meter, new Hobbs reads 0 time, old Hobbs reads 237.6			
Reinstalled Attitude Gyro, P.N. 504-0111-938 after overhaul by Weco Aerospace, Inc, under W/O L30077			
Cleaned and tightened connector for fuel pressure gauge at fuel servo			
Signature: 		Gerald W. Rose A/P I.A. 567495144	

		TOTAL AIR TIME SINCE NOS.	
		MIN.	SEC.
Sierra Mountain Aviation, Inc.		N500DH Airframe	
13308 Nevada City Ave		Tach: 403.1	Work Order: 13611
Grass Valley, Ca 95945		Date: 5/12/2010	
Installed new rubber cables per maintenance manual, replacement due again in 05/2015 or 3403-1, WOF			
Signature: 		Daniel L. Grass A/P 561979220	
Sierra Mountain Aviation, Inc. 530.273.5273			

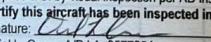
I certify that the Altimeter, Static System, & Altitude Reporting tests required by FAR 91.411, and the Transponder tests required by FAR 91.413 have been performed IAW FAR 43 App E & F.			
Altimeter(s) tested to 20000 ft. N500DH			
IAW FAR 43 App. E on 21 JUN 10			
Signed  Date 21JUN10			
Northeast Services crs WR3R955L Time 123.8			

Registration N500DH  
 Make Diamond  
 Model DA40  
 Serial # 40.226

  
 Sierra Mountain Aviation, Inc.  
 13308 Nevada City Ave, Grass Valley, CA 95945

Date 03/22/12  
 TTAF 412.7  
 Hobbs: 135.2  
 Work Order 21123

Performed a Annual/100 HR inspection service per SMA checklist  
 ELT unit tested in accordance with FAR 91.207, (d), due again 03/2013  
 Installed new ELT remote battery, P.N. 28L, battery expires 03/2021  
 Inspected engine air filter, no defects noted  
 Installed 26 new "AA" batteries for emergency power  
 Installed new "AA" battery in clock  
 Removed and reinstalled right-hand fuel tank feed line above gear, cleaned and leak checked good  
 AD# 2011-21-10, To Address Damage around the VCS Compressor Mounting Areas  
 Complied with Non-Applicable, aircraft does not have air-conditioning  
 AD# 2010-13-10, To Prevent Loss of Propeller Pitch Control, Damage to the Propeller Governor  
 Complied with Non-Applicable S/N 00006 installed  
 AD# 2009-10-04, The NLG Leg of a DA-40 Aircraft failed in the Area of the Nose Gear Leg Pivot Axle  
 Complied with visual inspection per AD instructions, Diamond Aircraft MSBA0-0463, MSBD4-0463, OK, due again 03/2013 or 612.7 Tach, WOF

I certify this aircraft has been inspected in accordance with an Annual/100 HR inspection and was determined to be in airworthy condition  
 Signature:   
 Daniel L. Grass A/P I.A. 3577254  
 Sierra Mountain Aviation, Inc. 530.273.5273

Altimeter S/N: 	Date: 
Phone: 623-687-1805	Work Order No: 

Express Avionics LLC  
 Phone: 623-687-1805

Aircraft: N500DH

Date: 04 AUG 12

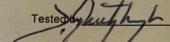
I certify that the altimeter(s) and static system(s) tests required by 14 CFR 91.411 and transponder tests, including data correspondence, required by 91.413 have been performed and found to comply with 14 CFR Part 43, Appendix E and F. Altimeter S/N(s): Left: INSTALLED Right: N/A. Transponder S/N(s): Left: 83709705 Right: N/A. System(s) inspected to 20,000 feet MSL. Express Avionics work order: 3752.

Express Avionics LLC  
 Phone: 623-687-1805

CRS# XXZR035Y

Reads	Add
-1000	+5
0	-
500	-
1000	-
1500	-5
2000	-
3000	-
4000	-
6000	-
8000	-
10000	+10
12000	+15

Date 21 JUN 10

Tested 



## ENGINEERING RECORD

Sierra Mountain Aviation, Inc.

13308 Nevada City Ave  
Grass Valley, Ca 95945

N500DH Airframe

Tach Time: 383.8 Total Time: 383.8  
Date: 10/10/2008 Work Order: 13152

Performed a Annual/100 HR inspection per SMA checklist

ELT unit tested in accordance with FAR 97-207, (d), due again 1/2009

Rotated left/right main landing gear tires and repacked all wheel bearings

Retorqued fuel line above right-hand main landing gear

Installed new throttle spring, P.N. R2-0636-12X

Installed two new heating elements in pilot probe, P.N. 13A7026-02 and 13A7025-02

Installed (2) new instrument light dimming knobs, P.N. PKX6081-4

Installed new fuel pressure switch, P.N. 3010017, ops checked normal

Complied with MSB-40-044/1, by installation of service kit listed in service bulletin

AD# 2007-17-06, A Nose Landing Gear Leg Failed in the Area of the Nose Gear Leg Pivot Axle

Complied with by visual inspection per AD PAR (f) (2) and pr MSB40-046/1, due again 10/2009

I certify this aircraft has been inspected in accordance with an Annual/100 HR inspection and was determined to be in airworthy condition

Signature:

Gerald W. Rose A/P I.A. 567495144

Sierra Mountain Aviation, Inc. 530.273.5273



Sierra Mountain Aviation, Inc.

13308 Nevada City Ave  
Grass Valley, Ca 95945

N500DH Airframe

Tach: Work Order: 13391  
Date: 05/05/2009

Reinstalled 530 after repair by Executive Auto Pilot, under W/O 9199

Verified S.N. and reinstalled, P.N. 011-00550-10, S.N. 78405081

Reinstalled 430 after repair by Executive Auto Pilot, under W/O 9199

Verified S.N. and reinstalled, P.N. 011-00280-10, S.N. 97110496

Operationally tested both units on ground, OK

Signature:

Gerald W. Rose A/P 567495144

Sierra Mountain Aviation, Inc. 530.273.5273



Sierra Mountain Aviation, Inc.

13308 Nevada City Ave  
Grass Valley, Ca 95945

N500DH Airframe

Tach Time: 400.9 Total Time: 400.9  
Date: 11/02/2009 Work Order: 13581

Performed a Annual/100 HR inspection per SMA checklist

ELT unit tested in accordance with FAR 97-207, (d), installed (8) new Duracell "D" batteries, due again 03/2016

Installed new Concorde battery, P.N. CB24-11M

Rotated right-hand main landing gear tire

Changed emergency "AA" batteries and Davtron "AA" battery

AD# 2009-10-04, Nose Landing gear Inspection

AD# 2009-10-04, due at 10/2009 or 583.8 whichever occurs first

Installed new left-hand main landing gear wheel inboard cups and cones, P.N. 13836 and 13889

I certify this aircraft has been inspected in accordance with an Annual/100 HR inspection and was determined to be in airworthy condition

Signature:

Gerald W. Rose A/P I.A. 567495144

Sierra Mountain Aviation, Inc. 530.273.5273

## ENGINEERING RECORD

6

INSPECTION, REPAIRS &amp; REPLACEMENT

ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE NUMBER



Sierra Mountain Aviation, Inc.  
13308 Nevada City Ave  
Grass Valley, Ca 95945

N500DH Airframe

Total Time: 4113.1 Tach Time: 411.3  
Date: 2/04/11 Work Order: 13743

Performed a Annual/100 HR inspection service per SMA checklist

ELT unit tested in accordance with FAR 97-207 (d), batteries due 03/2016

AD# 2010-25-01, To Change the Emergency Open Doors Procedures and Retrofit Passenger door

Compiled with per AD and installation of new retaining bracket retrofit kit, P.N. MSB-42-083 kit, per MSB40-070, MSB40-079 and MSBF4-024, no further action required

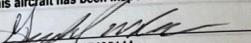
AD# 2009-10-04, Nose Landing Gear Leg Axle

Compiled with per AD instructions Diamond Aircraft MSB40-046/3, MSBD4-046/3, IK, due again 02/2012 or 611.3 Tach WOF

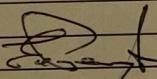
Complied with MSB40-033, Exhaust

Complied with Diamond Service Bulletin, MSB40-033, by PAR 1.8.1, visual inspection, no defects noted at this time, due again 561.3 Tach or each 50 hrs

I certify this aircraft has been inspected in accordance with an Annual/100 HR inspection and was determined to be in airworthy condition

Signature:   
Gerald W. Rose A/P I.A. 567495144  
Sierra Mountain Aviation, Inc. 530.273.5273

4/15/13 OPENED ALL INSPECTION PANELS /  
REMOVED LANDING GEAR SKIRT / PROPELOR  
SPINNER / DASH BOARD FOR VISUAL INSPECTION  
BY DAN GRASS



5/16/13 Replaced All Inspection Panels, Landing  
GEAR SKIRT, PROPELOR SPINNER AND DASH  
BOARD COVER



Registration N500DH  
Make Diamond  
Model DA40  
Serial # 40.226



Sierra Mountain Aviation, Inc.  
13308 Nevada City Ave, Grass Valley, CA 95945

Date 05/01/2013  
Engine T/T 450.1  
SMOH N/A  
Tach Time 450.1  
Work Order 21372

## Engine

Performed a Owner Assist Annual inspection service per SMA checklist  
Performed compression test on #1 78/80, #2 70/80, #3 77/80, #4 79/80

Retorqued left/right rocker cover screws

Retorqued engine fuel pump hardware

Readjusted #3 injector line

Cleaned, gapped and rotated sparkplugs

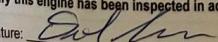
AD #2012-19-01 To prevent failure of the crankshaft

N/A by engine serial number

AD #2011-26-04 To prevent failure of the fuel injector lines

Complied with by visual inspection of fuel lines and clamps per MSB # 342F, no defects noted

I certify this engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition

Signature:   
Daniel L. Grass A/P I.A. 3577254  
Sierra Mountain Aviation, Inc. 530.273.5273

## AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETION
	HR.S.	MIN.	HR.S.	MIN.	
BROUGHT FORWARD					

Registration N500DH  
 Make Diamond  
 Model DA40  
 Serial # 40.226



Date 05/01/2013  
 TTAF 450.1  
 Tach 450.1  
 Work Order 21372

Performed a Owner Assist Annual inspection per SMA checklist.  
 ELT unit tested in accordance with FAR 91.207, (d) battery expires 03/2016

Readjusted nose steering tension to factory specifications

I certify this aircraft has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition

Signature: *Daniel L. Grass*  
 Daniel L. Grass A/P I.A. 3577254  
 Sierra Mountain Aviation, Inc. 530.273.5273

6-12-14

June 12, 2014 478.8 TT

AD 2009-10-04 Nose land gear C/W by insp. Next due  
 678.8 TT

I inspected the Make / Model AC1C E-01  
 ELT system in this aircraft according to applicable Aircraft and ELT  
 manufacturer's instructions and applicable FAA guidance and found  
 that it meets the requirements of section 91.207 (d).

Battery due 4 MAR 2016

Patrick H. Moore I.A. 1550834

I certify that this aircraft and power plant and propeller have been inspected  
 in accordance with an annual inspection and was found airworthy.

Tac. 478.8 Total Time Aircraft 478.8

Total Time Power Plant 478.8

Total Time Propeller 478.8

Power Plant Time Since Major Overhaul 478.8

Propeller Time Since Overhaul 478.8

Ad Check to 2014-11

Patrick H. Moore I.A. 1550834

August 23, 2014

Replaced Concord Battery CB 24-11M

S/N 40317956 OFF - RG24-15M  
*Daniel L. Grass*  
 1550834  
 S/N 40677809 ON.

7-1-15

I inspected the Make / Model AC1C E-01  
 ELT system in this aircraft according to applicable Aircraft and  
 manufacturer's instructions and applicable FAA guidance and found  
 that it meets the requirements of section 91.207 (d).

Battery due 9-19  
 Patrick H. Moore I.A. 1550834

## ENGINEERING RECORD

7

INSPECTION, REPAIRS &amp; REPLACEMENT

ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE NUMBER

July 1, 2015 490.7 TT  
 AD 2009-10-04 C/W nose landing gear leg by insp.  
 Next due 690.7 TT  
 Replaced 28 AA Batteries for emergency power  
 Replaced ELT batteries

This is to certify that this aircraft and power plant and propeller have been inspected in accordance with an annual inspection and was found airworthy.

Tac 253,1 Total Time Aircraft 490.7

Total Time Power Plant 490.7

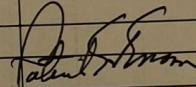
Total Time Propeller 490.7

Power Plant Time Since Major Overhaul 490.7

Propeller Time Since Overhaul 490.7

Ad Check to 6-30-15

Patrick H. Moore IA 1550834



Granite Mountain Aviation, L.L.C  
 6543 Crystal Lane  
 Prescott, Arizona 86301  
 928-443-8509

Date: 11-24-15

Tach Time: 507.20

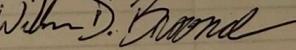
Total Time: 507.20

SMOH: N/A

Cleaned left and right brake wheel cylinder pins and mounting plate holes.  
 Cleaned and resealed left and right brake wheel cylinders. Replaced all brake linings and bled brakes. Reinstalled right wheel part nutplate in axle nut.

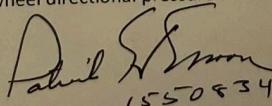
William D. Broome

A&P3815339



December 2, 2015 509.8 Total Time

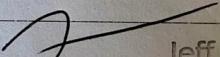
Replaced N.L.G. damper assy. P/N D41-3223-20-00-1  
 Revision; B. Lubed AFT fuselage elev. cable micarta plate.  
 Re-torqued N.L.G. wheel directional pressure



1550834

## AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETION
	HRS.	MIN.	HRS.	MIN.	
	The Altimeter, Automatic Pressure Altitude Reporting, and Static System tests and inspections required by FAR 91.411(a)(1) have been performed and found to comply with FAR Part 43, Appendix E. Altimeter(s) tested to 20000 feet.				
	Pilot Altim S/N 425588 Co-pilot Altim S/N ~				
	Aircraft Make Diamond Model DA40 Reg. N550DH				
	Date 3-16-16 WO No 32677 Sig Don Darde CRS VT3R931U				
	Gibbs Service Center Inc. 8906 Aero Drive San Diego CA 92123				
	The ATC Transponder tests and inspections required by FAR 91.413(a) have been performed and found to comply with FAR Part 43, Appendix F. Transponder No 1 S/N 83709705 Transponder No 2 S/N ~				
	Aircraft Make Diamond Model DA40 Reg. N550DH				
	Date 3-16-16 WO No 32677 Sig Don Darde CRS VT3R931U				
	Gibbs Service Center Inc. 8906 Aero Drive San Diego CA 92123				

ACFT Model:	Diamond DA 40	GIBBS SERVICE CENTER		Date: 6-9-2016
Serial No.:	40.226	Montgomery Field, San Diego, CA 92123		W.O. No.: 16-146
Reg. No.:	N550DH	FAA Approved Repair Station VT3R931L		
Tach. Time:	555.3	Hobbs:	N/A	Airframe: 555.3
Annual inspection completed per the DA 40 AMM, document 6.02.01, rev.7. C/W 100hr drain hole inspection. Shimmed alternate air inner sleeve valve to prevent wear. Set cable tension on rudder control cables, safited turnbuckles. Replaced flap up light. Secured both flap seals and access openings under backseat. Secured canopy seal. Resealed wire passthrough tube under pilot's seat. Installed new brake discs on both wheels. Packed all wheel bearings. C/W Slick Start modification per Slick SB1-06. Functional check OK. C/W FAR 91-207(d), ELT inspection and functional checks. Next due 6-2017. ELT battery due 9-2019. C/W AD2009-10-04 NLG strut inspection per MSB40-046/3. No defects noted. Next due 755.3 or 6-2017, whichever is later. AD notes checked and are current 6-9-2016. ATP Navigator Content Revision: 5-27-2016.				
The aircraft and/or component identified above repaired/replaced and inspected in accordance with current federal aviation regulations and was found airworthy for return to service. Pertinent details of the repair/replacement are on file at this agency under Order No. 16-146				
Date: 6-9-2016	Signed:	Jeff Runyon  		

March 13, 2017 611.8 Total Time  
 AD 2009-10-04 C/W nose landing gear by dye check  
 Next due 711.8 total time.  
 Replaced L.M. tire & tube Goodyear P/N 606CG1B1,  
 S/N 51605802 Tire, Dresser tube P/N GL-6020B

I inspected the Make / Model ACK E-01  
 ELT system in this aircraft according to applicable Aircraft and  
 manufacturer's instructions and applicable FAA guidance and  
 that it meets the requirements of section 91.207 (d).

Battery due 9-19

Patrick H. Moore IA 1550834

CARRIED FORWARD

## ENGINEERING RECORD

8

INSPECTION, REPAIRS & REPLACEMENT  
ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE  
NUMBER

3-11-17

This is to certify that this aircraft and power plant and propeller have been inspected in accordance with an annual inspection and was found airworthy.

Tac 611.8 Total Time Aircraft 611.8

Total Time Power Plant 611.8

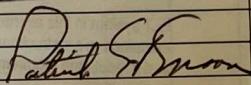
Total Time Propeller 611.8

Power Plant Time Since Major Overhaul 611.8

Propeller Time Since Overhaul 611.8 133.4

Ad Check to 3-13-17

Patrick H. Moore IA 1550834



March 14, 2018

641.8 Total Time

AD 2009-10-04 C/W nose landing gear by inspection

Next due 741.8.

Replaced emergency power supply batteries.

I inspected the Make / Model ACK E-01  
ELT system in this aircraft according to applicable Aircraft and ELT  
manufacturer's instructions and applicable FAA guidance and found  
that it meets the requirements of section 91.207 (d).

Battery due Sept 2019

Patrick H. Moore IA 1550834

This is to certify that this aircraft and power plant and propeller have been inspected in accordance with an annual inspection and was found airworthy.

Tac 641.8 Total Time Aircraft 641.8

Total Time Power Plant 641.8

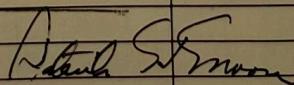
Total Time Propeller 641.8

Power Plant Time Since Major Overhaul 641.8

Propeller Time Since Overhaul 641.8 163.8

Ad Check to 2018-4

Patrick H. Moore IA 1550834



## AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETION
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD					
March 26, 2019 N500DH					Total Time 668.9
AD 2007-17-06 C/W Nose landing gear leg failure Next due 3/31/20 or 668.9 Total Time. Replaced Emergency power batteries, Replaced ELT batteries expire 10/23.					
<p>Inspected the Make / Model <u>ACK E-01</u>          in accordance with applicable Aircraft and          manufacturer's instructions and applicable FAA guidance and it          that it meets the requirements of section 91.207 (b).</p> <p>Battery due <u>10 2023</u></p> <p>Patrick H. Moore IA 1550834</p>					
<p>This is to certify that this aircraft and power plant and propeller have been inspected          in accordance with an annual inspection and was found airworthy.</p> <p>Ac <u>668.9</u> Total Time Aircraft <u>668.9</u></p> <p>Total Time Power Plant <u>668.9</u></p> <p>Total Time Propeller <u>668.9</u></p> <p>Power Plant Time Since Major Overhaul <u>668.9</u></p> <p>Propeller Time Since Overhaul <u>668.9</u> <u>206.9</u></p> <p>AD Check to <u>2019-6</u></p> <p>Patrick H. Moore IA 1550834</p> <p><i>Patrick H. Moore</i></p> <p>1550834 AIA 1550834 H-100</p>					
5-31-19	TACH	674.6	Replace fuel flow transducer PN 3010032 SN 04122837 SN on 60208. Check for leaks. O/C o.k.		
6-28-19	CHANGED N NUMBER To N2287A				
CARRIED FORWARD					

**CARRIED FORWARD**

## ENGINEERING RECORD

9

N# 2287A

I CERTIFY THAT THE TRANSPONDER TEST PER CFR  
91.413, I.A.W CFR 43 APPENDIX F. HAS BEEN  
COMPLETED.

FILED UNDER W/9 2019 11.0

INSPECTOR

REPAIR STATION 12KR160C 928-978-0745

AV8TOR AVIONICS Form AA10, Rev. 1, 9/17/2018

ND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER



Date: 1/14/20 N2287A S/N: 40.226  
Total Time: 696.4 Hobbs: 511.8

French Field Aviation Inc.  
38500 French Field Way  
Crawford, CO 81415  
970.424.2810

1. STC #SA02573SE Installed GDL82. See Form 337 this date.
2. Installed TrueBlue TA102 USB charging port on instrument panel.
3. Replaced GNS430 internal battery.
4. Removed and reinstalled turn coordinator after overhaul by Berkshire Instrument CRS #VV5R289N.

Authorized Signature

David Seastead AP3492477 IA

4/22/2020 This aircraft has been inspected and found safe for intended flight

D. A. Supra N# P523848359

5-3-20 TACK 703. HES ANNUAL INSPECTION  
COMPLETED USING DIAMOND CHECK LIST  
REMOVED ALL WHEELS OR TIRES, BEARING  
CLEANED & PACKED BEARINGS SERVICES  
5606 OIL E.L.T CHECKED GOOD, ALL LIGHTS  
CHECKED GOOD, SERVICES FUEL SUMP  
& LOCKED W/DOOR, C/W AD 2009-10-04 NLS-  
FOR CRACKS, C/W 2015-19-07 INTAKE PADS,  
C/W 93-05-06 TO BE OK. & 2000 HDS,  
2004-10-14 C/N/A NO PROB STRICK

I CERTIFY THIS AIRCRAFT HAS BEEN  
INSPECTED IN ACCORDANCE WITH  
ANNUAL INSPECTION AND DETERMINED  
AIRWORTHY

James Carter AFO 1582995

## AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLET
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD					Precision Static Testing Livermore, CA FAA Certified Repair Station #QJAR856X PHONE: (925) 449-5904 FAX (925) 449-6081
					I certify that the altimeter(s) and static system(s) tests required by 14 CFR § 91.411 and transponder tests as required by § 91.413, including data correspondence, required by § 91.217, have been performed and found to comply with 14 CFR Part 43, Appendix E and F.
					Tested to <u>20,000</u> feet. Time: <u>612.4</u> W/O# <u>19152</u> N <u>22874</u> Inspected by <u>      </u> Date <u>4/6/2021</u>
06-01-2021	796	9	796	9	C/I/O Scope + Detail of Part 43 APP. D for Annual Inspect labeled moving control surfaces, rod ends, bearing pulleys, checked brakes, wheel bearings & fits. FAR 91.207 D ELT ops + Visual inspection No defects found. B/H Expire 3/2028 AD 93-05 -06 ACS ignition switch Due 2000+12m. C/W AD 10-04 inc/pu Nose Landing Gear Due Next 998.9 per Defects Found. I certify that this Aircraft has been inspected IAW an Annual inspection and is in Condition & in Adm. Ac#3233776IA.
07-14-2021	218	8	218	8	Installed new tires on Main Landing gear IAW S/m instructions brake pads are in Good Condition. Ops C/L. No defects Found in between Ac#3233776.
07-30-2022	894	0	894	0	c/w Scope + Detail of Part 43 APP. D labeled All controls, flight controls, pulleys, checked brakes, pads, fluid levels, FAR 91.207 3/2029. I certify that this Aircraft has been insp. IAW an Annual insp. and is in Condition. & in Adm. Ac#3233776IA.
A) 43-DJ-06	Next Due 2020 TACI +D 2009-10-04 Next Due 998.9 TACI				

**CARRIED FORWARD**

## ENGINEERING RECORD

10

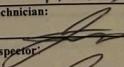
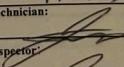
INSPECTION, REPAIRS & REPLACEMENT  
ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE  
NUMBERPrecision Static Testing Livermore, CA  
FAA Certified Repair Station #QJAR856X  
PHONE: (925) 449-5904

I certify that the altimeter(s) and static system(s) tests required by 14 CFR § 91.411 and transponder tests as required by § 91.413, including data correspondence, required by § 91.217, have been performed and found to comply with 14 CFR Part 43, Appendix E and F.

Tested to 204 feet. Time: 506.6  
W/O# 21726 N 2287A  
Inspected by J Date 4/6/27

Test Altitude	Scale Error	Friction Error	Encoder	Leak Acf/Case	84 ± 11000
-1000	0		-1.7		
0	-17		0		
500	-17		-1		
1000	-17	21	1.2		
1500	0		1.5		
2000	-17	21	7.1		
3000	0	71	7		
4000	-20		41		
5000	-20		3.0		
6000	-70		6.2		
8000	-70		6.2		
10000	-40	30	10.1		
12000	-50		11.0		
14000	-40		14.1		
15000	-40	71	15.1		
16000	-70		16.1		
18000	-21		17.1		
20000	-10	71	17.0		
22000				Aircraft #	N2287A
25000				Date Tested:	4/6/23
30000				Technician:	
35000				Inspector:	
40000					
45000					
50000					

Tested in compliance with Appendix E, Part 43, F.A.R 91.411  
Tested to: 204 ft. W.O. #: 22727

Precision Static Testing FAA CRS# QJAR856X

PILOT / FIRST OFFICER / STAND-BY

Form 1A

AID / 08 Jan 2007

8-1-2023 901.5 TACH + total time.

C/L Scope & Detail of Part 43 APP D Annual inspection

Lubed Controls & Linkage, Brakes, Ropes. Removed Covers, Cowling.

inspected, brakes, fluids levels, Changed 4/H Main tire/tube.

Changed batteries in ELT, ELT Remote, & Emergency <sup>AI</sup> ~~RT~~ - power

I Certify that this Aircraft has been Inspected <sup>AI</sup> ~~RT~~ -

an Annual inspection and is in Airworthy Condition.

EA Captain A+D3233776IA.

**N2287A Make: Diamond Model: DA40-180 S/N: 40.226 TT: 901.6**

Removed and replaced back up battery pack cells with new P/N Duracell AA X24. Battery replacement next due 1/2026. Removed cleaned and regaped spark plugs, reinstalled using new gaskets. Removed and replaced induction air filter with new P/N FR-08504, replaced various scat hoses in engine compartment.

**C/W AD 09/10/04 (nose gear leg cracks) by visual and dye penetrant inspection. Inspection next Due 12 month or 200H whichever occurs later.**

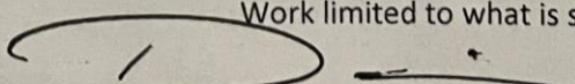
**C/W AD 14/13/08 (aft cabin area wing spar reinforcement) IAW Diamond WI-MSB-F4-028 and DA40 MM as terminating action no further inspection required.**

**C/W AD 09/02/03 (fuel servo plug gasket) by replacement with P/N 2577258 gasket as terminating action no further inspection required.**

**C/W AD 15/19/07 (fuel injector line) by inspection in accordance with SB 342G replaced 1 clamp no other discrepancies noted. Inspection next due Tach 1011.6**

Work performed in accordance with applicable maintenance manuals. Operations and/or leak check performed for work performed.

Work limited to what is stated above



**Daniel Umanzor AP3776498**

HRS.

MIN.

HRS.

MIN.

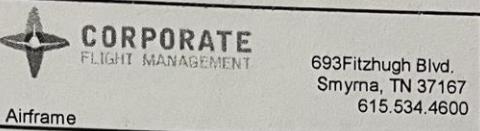
NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COM

BROUGHT  
FORWARD

Model: DA40

S/N: 40.226

Reg. No: N2287A



Date: 02/16/2024

Tach: 927.0

693Fitzhugh Blvd.  
Smyrna, TN 37167  
615.534.4600**Maintenance Accomplished:**

- Complied with Tire pressure servicing set to recommended placard psi. All Tire pressures are good at this time. REF. DA40 AMM 12-10-00.

I Certify This Aircraft Has Been Inspected and Repaired In Accordance With current Diamond aircraft maintenance manuals and Is Approved For Return To Service with respect to the work performed. Pertinent details of the work performed are on file at this repair station Under Work Package DIA187

Signed:

For: **Corporate Flight Management Inc.**

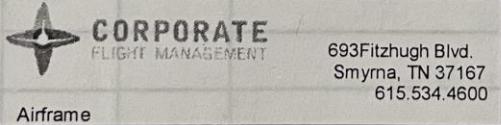
Certified Repair Station № FJTR920D

Form CFM 023

Model: DA40

S/N: 40.226

Reg. No: N2287A



Date: 02/27/2024

Hobbs: 927.0

**Maintenance Accomplished:**

- Complied with Tire pressure servicing set to recommended placard psi. All Tire pressures are good at this time. REF. DA40 AMM 12-10-00.
- Sent GNS530 comm/Nav unit to Garmin for repair, p/n 011-00550-10 s/n 78405081, Received repaired unit from Garmin, reinstalled same s/n and p/n. ops checked good at this time. ref Garmin GNS530 MM 190-00181-05

I Certify This Aircraft Has Been Inspected and Repaired In Accordance With current Diamond aircraft maintenance manuals and Is Approved For Return To Service with respect to the work performed. Pertinent details of the work performed are on file at this repair station Under Work Package DIA187

Signed:

For: **Corporate Flight Management Inc.**

Certified Repair Station № FJTR920D

Form CFM 023

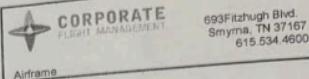
## AIR TIME AND

## ENGINEERING RECORD

NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR CO

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.	
	HRS.	MIN.	HRS.	MIN.
BROUGHT FORWARD				

Model: DA40  
S/N: 40.226  
Reg. Nr: N2287A



Date: 02/16/2024

Tach: 927.0

Maintenance Accomplished:  
- Complied with Tire pressure servicing set to recommended placard psi. All Tire pressures are good at this time. REF. DA40 AMM 12-10-00.

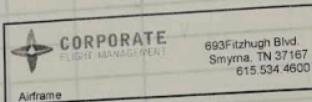
I Certify This Aircraft Has Been Inspected and Repaired In Accordance With current Diamond aircraft maintenance manuals and Is Approved For Return To Service with respect to the work performed. Pertinent details of the work performed are on file at this repair station Under Work Package DM457

Signed:  
For Corporate Flight Management Inc.

Certified Repair Station No FJTR920D

Form CFM 023

Model: DA40  
S/N: 40.226  
Reg. Nr: N2287A



Date: 02/27/2024

Hobbs: 927.0

Maintenance Accomplished:  
- Complied with Tire pressure servicing set to recommended placard psi. All Tire pressures are good at this time. REF. DA40 AMM 12-10-00.  
- Sent GNS530 comm/Nav unit to Garmin for repair, p/n 011-00550-10 s/n 78405081, Received repaired unit from Garmin, reinstalled same s/n and p/n. ops checked good at this time. ref Garmin GNS530 MM 190-00181-05

I Certify This Aircraft Has Been Inspected and Repaired In Accordance With current Diamond aircraft maintenance manuals and Is Approved For Return To Service with respect to the work performed. Pertinent details of the work performed are on file at this repair station Under Work Package DM457

Signed:  
For Corporate Flight Management Inc.

Certified Repair Station No FJTR920D

Form CFM 023

Wingnuts Aviation, LLC - Mailing Address, 197 Bagwell Road, Clarksville, TN 37043 Facility Address, 4428 Airport Road, Springfield, TN 37172 - 615-534-3200

N2287A  
TACH: 969.3

Diamond, DA 40, S/N: 40.226  
AFTT: 969.3

August 27, 2024

1. Complied with an Annual Inspection in accordance with our Checklist encompassing the scope and detail of 14CFR (FAR) 43 appendix D with reference to Diamond Model DA40 Maintenance Manual and all applicable ICA's.
2. Tested ELT IAW FAR 91.207(d). Batteries expire March 2028.
3. Researched AD's through bi-weekly 2024-16 and found to be in compliance.
4. Removed, cleaned, oiled and reinstalled induction air filter.
5. Propeller removed and sent for inspection and repair. Reinstalled after repair from Sensenich Propeller Service, WO G31681.

I certify that this Aircraft has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.

Kyle LaMontagne AP / IA 3889107

CARRIED FORWARD

## ENGINEERING RECORD

11

WO: 24-1493

Airframe - page 1 of 2

ENTRIES, DRAW &amp; SIGNATURES

INSPECTION, REPAIRS &amp; REPAIRS

Wingnuts Aviation, LLC • Mailing Address: 197 Bagwell Road, Clarksville, TN 37043 • Facility Address: 4428 Airport Road, Springfield, TN 37172 • 615-384-3200

LICENCE  
NUMBERN2287A  
HOBBY: 1034.0Diamond, DA 40, S/N: 40.226  
TACH: 1068.9 AFTI: 1068.9

December 02, 2024

- Compiled with an 100 Hour Inspection in accordance with our Checklist encompassing the scope and detail of 14CFR (FAR) 43 appendix D with reference to Diamond Model DA40 Maintenance Manual and all applicable ICA's.
- Researcher AD's through bi-weekly 2024-23 and found to be in compliance.
- Removed, cleaned, recharged induction air filter.
- Compiled with AD 15-19-07 Fuel Injector Lines by visual inspection IAW (e)(1)(ii) as outlined in MSB 342G. Next due 110 hours or 12 months.
- Compiled with AD 09-10-04 Pivot Axle IAW paragraph (f) (3). Next due 200 hours or 12 months, whichever occurs later.
- Swung compass, Updated correction card.
- Replaced all brake pads. Installed (4) P/N APS56-14100 - Lining: Brake - Black Steel.
- Replaced right MLG tire and tube. Installed P/N Tire 600-6 6ply RT - Tire Retread, 600-6 6 PLY High Performance, Installed P/N Tube 15/600-6 Goodyear - 15/600-6 Goodyear Flight Mate Tube (TR-20 Valve).

I certify that this Aircraft has been inspected in accordance with a 100hr Inspection and was determined to be in airworthy condition. Functions check satisfactory.

Chris Ferruccio AP / IA 2792477

Ferruccio

Test Altitude	Scale Error	Friction Error	Encoder	Leak Aft/Case	840 ± 10% <sup>o</sup>
-1000	0		~1%		Hysteresis
0	-1%		0		% Altitude Tested
500	-1%		~1%		Altitude Tested
1000	-1%	2%	1%	50%	Amount Hysteresis
1500	0		1%	10%	
2000	-1%	2%	2%	10%	
3000	0	2%	2%	8%	
4000	-2%		0	10%	
5000	-2%		0		After Effect 0 Check Pitot Heat
6000	-3%		0		
8000	-3%		0		
10000	-4%	30	10%	28.10	Baro. Scale Error (± 25 ft.)
12000	-5%		10%	28.50	
14000	-4%		10%	29.00	
15000	-4%	30	10%	29.50	
16000	-3%		10%	29.92	
18000	-2%		10%	30.50	
20000	-1%	30	10%	30.90	
22000				30.99	
25000					Aircraft # N2287A
30000					Date Tested: 4/16/23
35000					Technician: <i>[Signature]</i>
40000					Inspector: <i>[Signature]</i>
45000					
50000					

Tested in compliance with Appendix E, Part 43, F.A.R 91.411  
Tested to: 20,100 ft. W.O. #: 22721

Precision Static Testing FAA CRS# QJAR856X

PILOT / FIRST OFFICER / STAND-BY

Form 1A

AOI 10 Jan 2007

AMI AVIATION SERVICES, LLC	
Altimeter Scale Correction Card	
Aircraft Number: N2287A	
Altimeter S/N: 427856	
SCALE CORRECTIONS	
Add Algebraically Room Temp	
-1000	-995
0	10
500	505
1000	1005
2000	2000
3000	3000
4000	4000
6000	5990
8000	7970
10000	9955
12000	11950
Add Algebraically Room Temp	
-1000	13940
0	16900
500	16950
1000	17960
2000	19975
3000	
4000	
6000	
8000	
10000	
12000	
Ops and leak check	
Current aircraft manuals	
Required are on file at this n	
Date	
Hobby	
T.A.	
Due Angel Way	
Tn, TN 37167	
Item Ground Checks pro	
Part 43, Appendix E, per	
FAR Part 43, Appendix	
FAR 43, Appendix F, per FA	
the criteria outlined in FA	
SIN 427856	
SN 837087	
Federal Aviation Regulat	
ed are on file at this rep	
FAR Station # 6A526188	
FAA CRS # GAS283BB (S7E)	
FAA CRS # GAS281BB (M7Q)	

Scale corrections shown on this card are the scale errors with the sign reversed. Only those scale errors determined using a master altimeter traceable to an accurate mercurial barometer at the time the altimeter is calibrated for acceptance will be used in determining scale corrections for entry on this card. This completed scale corrections card will be attached to the altimeter when it is not installed in the airplane.

Tested by: *[Signature]* Date: 04/09/2023

FAA CRS # GAS283BB (S7E)

FAA CRS # GAS281BB (M7Q)

AM-0027, Rev 1

Dated: 10/09/2020

## AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COM
	hrs.	min.	hrs.	min.	
BROUGHT FORWARD	Volar LLC, 750 Franklin Road, Lebanon, TN 37087 Aircraft Registration: <u>N2287A</u> Aircraft Serial Number: <u>40.226</u> AFTT: <u>1168.2</u> TACH: <u>1168.2</u> HOBBS: <u>1562.5</u>				 <b>VOLAR</b> <small>AIRCRAFT MAINTENANCE</small>
1) Compiled with Annual Inspection under the guidelines of Diamond DA 40 Series Maintenance Manual. 2) Researched AD's through bi-weekly 2025-08. 3) Completed the following AD's by visual inspection and found to be good: - AIRFRAME: 24-19-08 4) Tested ELT under the guidelines of FAR 91.207(d). Batteries Expire March 2028. 5) Removed, inspected & repacked wheel bearings. 5) Cleaned and inspected the gascolator. 6) Lubricated Engine controls & airframe.					
I certify that the Aircraft identified above has been inspected in accordance with an Annual Inspection as required by 14 CFR Part 43 Appendix D and was determined to be in an airworthy condition. All required maintenance has been performed per the manufacturer's maintenance manuals, Airworthiness Directives (ADs), and FAA-approved data as applicable. All applicable ADs have been compiled with at this time, and a list of ADs and their status has been provided to be retained with the maintenance records.					
The Aircraft, Engine or Component identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Regulations and is Approved for Return to Service.					
Authorized Person Returning Aircraft to Service: <u>Lawton Matthew Johns A&amp;P/IA (3795040)</u> Signature: <u>Lawton M. Johns</u> Pertinent details of the repair are on file at Volar LLC under Work Order No: <u>87A-042325</u> Date of Return to Service: <u>5/1/25</u>					

Volar LLC, 750 Franklin Road, Lebanon, TN 37087  
 Aircraft Registration: N2287A Aircraft Serial Number: 40.226  
 AFTT: 1168.2 TACH: 1168.2 HOBBS: 1562.5



- 1) All 8 spark plugs replaced
- 2) Replaced left main tire
- 3) Replaced Cabin Heat SCAT tube on engine side of firewall
- 4) Tightened and safety wired oil filler tube.

The Aircraft, Engine or Component identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Regulations and is Approved for Return to Service.

Authorized Person Returning Aircraft to Service: Joshua Sarrels A&P (5055620)  
 Signature: Joshua Sarrels  
 Pertinent details of the repair are on file at Volar LLC under Work Order No: 87A-042325  
 Date of Return to Service: 5/1/25

13 Jun 2025  
 Tach: 1195.3  
 Hobbs: 1600.1  
 AFTT: 1195.3

Diamond DA 40 SN: 40.226 N2286A  
 - Replaced bad fuel boost pump P/N 5100-00-9 CT SN: 4223, overhauled by CJ Aviation Products, LLC  
 pump P/N: 5100-00-9 CT SN: 4223, overhauled by CJ Aviation Products, LLC  
 (Approved/Certification No: YAG R715L), work order No. RS147. All maintained performed well.  
 Release to Diamond Aircraft DA40 Series 1 AM.  
 Wesley C Sheen made At 1700Z 6/6/2025 / Wesley Sheen

## INSPECTION, REPAIRS &amp; REPLACEMENT

ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE  
NUMBER

wo: 25-1190

Airframe page 1 of 1

Wingnuts Aviation, LLC - Mailing Address: 197 Bagwell Road, Clarksville, TN 37043 - Facility Address: 4428  
Airport Road, Springfield, TN 37172 - 615-384-3200N2287A  
TACH: 1218.4Diamond, DA 40, S/N: 40.226  
AFTT: 1218.4

July 23, 2025

Removed prop and sent out for overhaul. Re-installed same prop after IRAN from Sensenich Propeller Service, Inc. See W/O. G32898, Form Tracking #, 25-0511. Installed P/N P-IRAN - Propeller IRAN S/N: L-30387-51A.

Functions check satisfactory.

Aaron Fowler AP 4462170



## N2287A

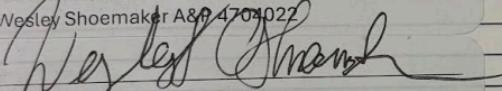
Diamond: DA40, S/N: 40.226

29 July 2025

TACH: 1224.1, ACFT TTSN: 1224.1, Hobbs: 1402.5

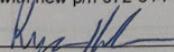
Landing light does not illuminate when switched on. Replaced landing light with new Whelen Aerospace Technologies (WAT) part number 01-0770346-03, s/n: 1149937; op check ok, no faults noted. All maintenance performed with reference to DA40 Series Aircraft Maintenance Manual and AC 43.13-1B.

Wesley Shoemaker A&amp;P 4704022

Going your way every day since 1957  
Aircraft Logbook EntryDate: 8-12-2025  
TSMOH:Aircraft: N2287A  
Cycle:SN: 40.226  
Tach: 1242.9

Replaced right main tire with new p/n 072-314-0 and new tube p/n XA1AD. Operational check good.

CHARTER - AIRCRAFT MANAGEMENT - FULL SERVICE FBO - MAINTENANCE

 A&P3296474IA

Don Davis Aviation, Inc - 2154 Hwy 136 West - Henderson, KY 42420 - Telephone 270 826 6000 - Fax 270 826 6040

## AIR TIME AND

## ENGINEERING RECORD

NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COM

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.	
	hrs.	min.	hrs.	min.

BROUGHT FORWARD

wo: 25-1262

Wingnuts Aviation, LLC - Mailing Address, 197 Bagwell Road, Clarksville, TN 37043 - Facility Address, 4428 Airport Road, Springfield, TN 37172 - 615-384-3200

Airframe - page 1 of 1

N2287A

TACH: 1218.4

Diamond, DA 40, S/N: 40.226

AFTT: 1218.4

Tested ELT IAW FAR 91.207(d). Batteries expire March 2028.  
Functions check satisfactory.

October 15, 2025

Chris Ferraroccio AP / IA 2792477

wo: 25-1252

Wingnuts Aviation, LLC - Mailing Address, 197 Bagwell Road, Clarksville, TN 37043 - Facility Address, 4428 Airport Road, Springfield, TN 37172 - 615-384-3200

Airframe - page 1 of 1

N2287A

TACH: 1458.8

Diamond, DA 40, S/N: 40.226

AFTT: 1458.8

Removed wing in the field after an off airport landing. Absolutely no damage was done to the aircraft. Reassembled aircraft and check flight control functions. Installed (3 meter) P/N DAI-9057-00-01 - Seal; Wing Root.  
Functions check satisfactory.

October 16, 2025

David Bliss AP / IA 3456094

wo: 25-1288

Airframe - page 1 of 1

Wingnuts Aviation, LLC - Mailing Address, 197 Bagwell Road, Clarksville, TN 37043 - Facility Address, 4428 Airport Road, Springfield, TN 37172 - 615-384-3200

N2287A

TACH: 1458.8

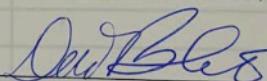
Diamond, DA 40, S/N: 40.226

AFTT: 1458.8

October 21, 2025

Replaced oil temperature sensor. Installed P/N 3010021 - Sensor: Oil Temperature.  
Functions check satisfactory.

David Bliss AP / IA 3456094



ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

N2287A

Diamond: DA40, S/N: 40.226

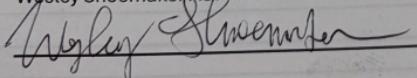
31 October 2025

TACH: 1265.3, ACFT TTSN: 1265.3, Hobbs: 1460.9  
 Performed a 100-hour inspection with reference to 14 CFR FAR part 43 Appx D.

- Researched and complied with all Diamond DA40 and bi-weekly ADs, 2025-21.
- Complied with ADs 2022-13-06 (MSB 40-093), 2007-11-21 (MSB 40-030/3) and all recurring AD Nos. 2007-11-21, 2024-19-08, next due at 1396.5 tach time.
- Tested ELT with reference to 14CFR FAR 91.207(d), MOC OK; ELT battery replacement due March 2028.
- Removed, cleaned and inspected NLG fork and wheel bearings, packed wheel bearings with Mobile grease-28, reassembled then reinstalled NLG fork and wheel, and serviced tire to 29psi.
- Inspected NLG elastomer pack, no faults noted.
- Removed, cleaned, inspected, and packed MLG bearings with Mobile grease-2, reinstalled and serviced both tires to 36psi.
- Adhered L/H MLG brake line clamp to MLG strut.
- Serviced brake reservoir with MIL-PRF-5606.
- Inspected fuel tanks, lines, and cleaned fuel bowl and screen.
- Cleaned and inspected battery box, service battery cells (12ea) with distilled water, cleaned, charged, and tested voltage at 25.72vdc.
- OAT/clock battery tested at 1.48vdc.
- Adjusted landing light direction.
- Removed MLG wheel pants, L/H and R/H wheels; weight and balance update not required, mass and lever arm negligible per POH.
- Confirmed rudder cable tension, no faults noted.
- L/R pax seat belt backwards, removed, inspected and installed.
- Inspected, cleaned, lubricated flight controls, rods, pivot pins and bearings, hinges, S-tubes, and cable eyes.
- Adhered flaps torsion tube weather seals, LH and RH, interior side, to the fuselage.
- Sealed small hole L/H wing leading edge wire conduit seal, interior side, no faults noted.
- All maintenance performed with reference to DA40 Series Aircraft Maintenance Manual (AMM) and AC 43.13-1B.

I certify this aircraft has been inspected with reference to a 100-hour inspection and was found to be in an airworthy condition.

Wesley Shoemaker A&amp;P 4704022



SIGNATURE

LICENCE NUMBER