

AIRCRAFT TECHNICAL LOGS

Section 1. AIRFRAME

AIRCRAFT

1. Nationality and Registration N500NA
2. Manufacturer's Designation DA40
3. Manufacturer's Serial Number 40.367
4. Type Approval or Specification Number A-224/A47CE
5. Date of Manufacture 2004
6. Aircraft Inspection Cycle _____

AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD	0	0	0	0	AIRCRAFT NOW WITH HARTZELL PROPELLER INSTALLED AS PER STC No. 5401820A



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

14 MAY 2004 S/N 40.367
COMPASS DEVIATION, ALL ELECTRICS ON

FOR	N	30	60	E	120	150
STEER	360	030	060	090	120	150
FOR	S	210	240	W	300	330
STEER	180	210	240	270	300	330

SERIAL NUMBER

REGISTRATION MARK

40.367

N500NA



INDEPENDENT CHECK OF FLIGHT AND POWERPLANT CONTROLS

DATE

DA
Q 65

INSPECTOR

14 May, 2004

Albert Pappas

14 APRIL 2004	0	0	0	0	AIRCRAFT SERVICEABLE FOR FLIGHT
14 MAY 2004	0	0	0	0	AIRCRAFT SERVICEABLE FOR FLIGHT
14 MAY 2004			1.8		
17 MAY 2004			1.8		AIRCRAFT SERVICEABLE FOR FLIGHT
17 MAY 2004			2.9		
17 MAY 2004			3.5		
27 MAY 2004			3.5		AIRCRAFT SERVICEABLE FOR FLIGHT
27 MAY 2004			4.3		
27 MAY 2004			4.7		
16 JUNE 2004			4.7		AIRCRAFT SERVICEABLE FOR FLIGHT
16 JUNE 2004			5.8		
28 JUNE 2004			5.8		AIRCRAFT SERVICEABLE FOR FLIGHT
28 JUNE 2004			6.2		
29 JUNE 2004			6.2		AIRCRAFT SERVICEABLE FOR FLIGHT
29 JUNE 2004			6.9		
06 JULY 2004			6.9		ALL DISCREPANCIES RECTIFIED
			6.9		CARRIED FORWARD

ENGINEERING RECORD

INSPECTION, REPAIRS & REPLACEMENT ATTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER
GERMAL INTEGRATED AVIONICS SYSTEM INSTALLED AS PER STC No. SA0125461		DA Q 13



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.



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: APRIL 2005
BATTERY DUE: JULY 2006

DATE 14 April, 2004 INSPECTOR DA
Q 13

DATE 14 April, 2004 INSPECTOR DA
Q 13



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



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 14 April, 2004 INSPECTOR DA
Q 13

DATE 14 April, 2004 INSPECTOR DA
Q 13

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AIR TIME AND

ENGINEERING RECORD

NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE RECORD.

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.	
	HRS.	MIN.	HRS.	MIN.
BROUGHT FORWARD			6.9	



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
06 July 2004

INSPECTOR

[Signature] DA
Q 13

07 JULY 2004 HOBBS 12.6



Date: July 07, 2004 S/N: 40.367 REG: N500NA
HOBBS: 12.6 W/O RO-04-079

GIA63 #1 S/N: 46902018 and GIA63 #2 S/N: 46901946 Main and Nav. Covers Replaced with P/N: 011-01136-00 and 011-01137-00 respectively I.A.W. Garmin SB 0408.

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

- DIAMOND AIRCRAFT INDUSTRIES D.O.T. APPROVAL # 161-93

Signature *[Signature]* Lic. Or Stamp DA
R022

CARRIED FORWARD

ENGINEERING RECORD

INSPECTION, REPAIRS & REPLACEMENT

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

SIGNATURE

LICENCE NUMBER

[Handwritten Signature]

DA
Q 13

Diamond

U.S. STANDARD AIRWORTHINESS CERTIFICATE
ISSUED

DATE: JUL 7 2004 AND INSTALLED IN THE

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

DATE: JUL 7 2004

NE-MIDO-46

Graham W. M...



KINGS AVIONICS, INC.

THIS IS A PERMANENT LOGBOOK ENTRY N 500NA SIN 40.367
UPDATED SOFTWARE IN GARMIN
BTX-33 TO COMPLY WITH GARMIN SOFTWARE SERVICE BULLETIN 0415.
CHECKS GOOD. - END -

GENERAL AVIATION MAINTENANCE RELEASE, THE ABOVE IDENTIFIED
(X) AIRCRAFT () APPLIANCE WAS REPAIRED AND INSPECTED IN ACCORDANCE
WITH THE CURRENT REGULATIONS OF THE FAA AND IS APPROVED FOR RETURN
TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS STATION
UNDER:

WORK ORDER NO. 82647 DATE 9.15.04
SIGNED *[Signature]*
CRS:KD6R661N

AIR TIME AND

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

NORTHERN AIR

N 500NA

Hobbs: 29.7

Total Time: 29.7

Airframe log book entry
Make: Diamond

Date: 7/23/2004
Model: DA40-180

Serial No: 40.367

Performed first 25hr/100hr inspection per Diamond aircraft maintenance manual.
 Installed new landing light.
 Adjusted rudder trim tab
 Performed A.D. 2002-26-01 by inspection of fuel injection lines per S.B. 342D no defects noted next due at 129.7/ 7/22/05 or next access.
 Installed new left main wheel cap nut plate.
 Installed a new starter P/N 31B22105, S/N F4L-370306.
 Installed new left and right wing inboard fuel tanks and reassembled per Diamond DA40 maintenance manual no leaks noted. Pitot leak check performed by Mayday avionics.

The work identified above was performed in accordance with the current Federal Aviation Regulations and was
 Work Order # 41167 Signed: [Signature] for CRS N81R812N
 Northern Air Inc., P.O. Box 888380, Gerald R. Ford Int'l Airport, Grand Rapids, MI. 49588-8380

LOGBOOK ENTRY **MAYDAY AVIONICS INC.**
 MFG Diamond MDL DA-40 HOBBS 29.7
 A/C REG N500NA S/N 40.367 SO# 41449
Performed pitot system leak check + static system 91411 compliance leak check.
 AFTER SERVICE WAS PERFORMED THIS SYSTEM AND ALL ASSOCIATED SYSTEMS WERE GROUND TESTED AS REQUIRED BY FAR 43.13 AND THE AIRCRAFT HAS BEEN APPROVED FOR RETURN TO SERVICE.
Garry Molegraaf DATE 7-22-04
 CRS # IT5R947M



Air Center of Salt Lake
 7365 S 4450 W
 West Jordan, UT 84084
 801-566-4829

Model: DA40-180
 N#: N500NA
 S/N: 40.367

W/O: 1798
 Hobbs: 120.7

Removed and replaced bad left tire, ops chk good. Work performed by Jon Spargen.

Date: November 15, 2004

[Signature]
 Ivan Emry IA 453630312 A&P

CARRIED FORWARD

ENGINEERING RECORD

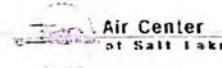
INSPECTION, REPAIRS & REPLACEMENT

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

SIGNATURE LICENCE NUMBER

KINGS AVIONICS, INC. N 500NA S/N 40.367
 THIS IS A PERMANENT LOGBOOK ENTRY REMOVED GARMIN PFD COOLING FAN
P/N 013-00102-00, S/N 135, AND INSTALLED AN EXCHANGE FAN, S/N 281.
CHECKS GOOD. ALSO REMOVED STAND-BY ATTITUDE GYRO, P/N 504-D111-944, S/N
504011194425011, AND INSTALLED AN EXCHANGE ATTITUDE GYRO, S/N 504011194425055.
CHECKS GOOD - END

GENERAL AVIATION MAINTENANCE RELEASE, THE ABOVE IDENTIFIED
 (X) AIRCRAFT () APPLIANCE WAS REPAIRED AND INSPECTED IN ACCORDANCE
 WITH THE CURRENT REGULATIONS OF THE FAA AND IS APPROVED FOR RETURN
 TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS STATION
 UNDER:
 WORK ORDER NO. 22628 DATE 9-27-04
 SIGNED [Signature]
 CRS:KD6R661N


 **Air Center of Salt Lake**
 7365 S 4450 W
 West Jordan, UT 84084
 801-566-4829

Model: DA40-180 W/O: 1818
 N#: N500NA Hobbs: 124.2
 S/N: 40.367

Removed and replaced the avionics cooling fan with warranty unit model SAFE328,
 P/N 305467-00 supplied by Diamond aircraft. Work performed by Jon Spargen.


[Signature]
 Ivan Elmy IA 453630312 A&P

Date: November 30, 2004

Model: Diamond DA 40-180 S/N: 40.367 Reg #: N500NA		Salt Lake Municipal Airport #2 7365 South 4450 West West Jordan, UT 84084 801-566-4829	W/O #: 1828 Hobbs: 129.3 TTA: 129.3
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C/W 100HR/Annual inspection in accordance with Diamond DA 40-180 Maintenance Manual. C/W FAR 91.207(d) 1-4 ELT ops check requirements. No defects noted. Next due @ 12-2005. Replaced light bulb in flap position indicator. Performed routine servicing and maintenance. Run up, ops and leak checks good. I certify that this aircraft has been inspected in accordance with an Annual inspection and determined airworthy this date.

Date: December 10, 2004 Inspector: [Signature]
 Ivan Elmy IA 453630312 A&P

 **Air Center of Salt Lake**
 7365 S 4450 W
 West Jordan, UT 84084
 801-566-4829

Model: DA40-180 W/O: 1848
 N#: N500NA Hobbs: 136.5
 S/N: 40.367

Replaced Alternator P/N ALU8521RS S/N E111539 with rebuilt unit from
 intermountain piper. Work performed by Jon Spargen.

[Signature]
 Ivan Elmy IA 453630312 A&P

Date: December 16, 2004


AIR TIME AND

ENGINEERING RECORD

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

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

BROUGHT



Air Center
of Salt Lake

Air Center of Salt Lake
7365 S 4450 W
West Jordan, UT 84084
801-566-4829


Model: DA40-180
N#: N500NA
S/N: 40.367

W/O: 1798
Hobbs: 175.2

Removed and replaced right main tire. Installed Air Hawk 6.00x6 tire. Ops chk good.
Work performed by Jason Hamelin

Ivan Elmy
Ivan Elmy IA 453630312 A&P

Date: January 31, 2005



Air Center
of Salt Lake

Air Center of Salt Lake
7365 S 4450 W
West Jordan, UT 84084
801-566-4829


Model: DA40-180
N#: N500NA
S/N: 40.367

W/O: 1915
Hobbs: 188.5

Removed and replaced electric fuel pump w/ rebuilt unit from Diamond A/C.

Ivan Elmy
Ivan Elmy IA 453630312 A&P


Date: February 11, 2005

Model: Diamond DA 40-180 S/N: 40.367 Reg #: N500NA	 <p>Air Center of Salt Lake</p>	<p style="text-align: center;">Salt Lake Municipal Airport #2</p> 7365 South 4450 West West Jordan, UT 84084 801-566-4829	W/O #: 1989 Hobbs: 228.9 TTA: 228.9
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C/W 100HR/Annual inspection in accordance with Diamond DA 40-180 Maintenance Manual. C/W FAR 91.207(d) 1-4 ELT ops check requirements. No defects noted. Next due @ 4-2006. Replaced flap indicator bulb, ops chk good. Performed routine servicing and maintenance. Run up, ops and leak checks good. I certify that this aircraft has been inspected in accordance with an 100HR/Annual inspection and determined airworthy this date.

Date: April 1, 2005

Inspector: *Huy Bui*
Huy Bui 646243821 A&P



Air Center
of Salt Lake

Air Center of Salt Lake
7365 S 4450 W
West Jordan, UT 84084
801-566-4829

Model: DA40-180
N#: N500NA
S/N: 40.367

W/O: 2001
Hobbs: 228.9

Inspected exhaust clamps per MSB 40-033, found measurements to be out of limits.
Replaced all clamps with P/N 229-005. Ops chk good.

Huy Bui
Huy Bui 646243821 A&P

Date: April 3, 2005

CARRIED FORWARD

ENGINEERING RECORD



Air Center of Salt Lake
7365 S 4450 W
West Jordan, UT 84084
801-566-4829

Model: DA40-180
N#: N500NA
S/N: 40.367

W/O: 2041
Hobbs: 269.8

Replaced alternate air cable P/N DAI-9076-00-04. Ops chk good. *3 Adjusted*

Date: May 6, 2005

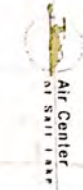
Elmer Nietz
Elmer Nietz 2721775 A&P

Date: May 23, 2005

Replaced bad tire on left main. Installed new Air hawk 6.00X6 tire and filled to proper pressure. Ops and leak chk good.

Model: DA40-180
N#: N500NA
S/N: 40.367

W/O: 2072
Hobbs: 323.6



Air Center of Salt Lake
7365 S 4450 W
West Jordan, UT 84084
801-566-4829



Air Center of Salt Lake
7365 S 4450 W
West Jordan, UT 84084
801-566-4829

Model: DA40-180
N#: N500NA
S/N: 40.367

W/O: 2001
Hobbs: 228.9

Inspected fuel pump per the Lycoming MSB no. 565, found the installed fuel pump to have a date code of LW15473-4603. Fuel pump does not need to be replaced. No further action necessary.

Date: April 3, 2005

Huy Bui
Huy Bui 646243821 A&P

Date: May 23, 2005
Huy Bui
Huy Bui 646243821 A&P

Model: Diamond DA 40-180 S/N: 40.367 Reg #: N500NA	 Air Center of Salt Lake	Salt Lake Municipal Airport #2 7365 South 4450 West West Jordan, UT 84084 801-566-4829	W/O #: 2079 Hobbs: 325.1 TTA: 325.1
C/W 100HR/Annual inspection in accordance with Diamond DA 40-180 Maintenance Manual. C/W FAR 91.207(d) 1-4 ELT ops check requirements. No defects noted. Next due @ 5-2006. ELT battery due @ 7-2006. Replaced seat hose from heat muff to cabin. Performed routine servicing and maintenance. Run up, ops and leak checks good. I certify that this aircraft has been inspected in accordance with an Annual inspection and determined airworthy this date.			
Date: May 27, 2005		Inspector: <i>Huy Bui</i> Huy Bui 646243821 A&P	

KINGS AVIONICS, INC.

N 500NA S/N 40.367

THIS IS A PERMANENT LOGBOOK ENTRY ~~REMOVED #1 GARMIN G1A63~~
~~P/N 011-00781-00 S/N 46902018, AND INSTALLED AN EXCHANGE~~
~~G1A63 S/N 46906004. CONFIGURED & TESTED. CHECKS GOOD.~~

GENERAL AVIATION MAINTENANCE RELEASE, THE ABOVE IDENTIFIED
 AIRCRAFT () APPLIANCE WAS REPAIRED AND INSPECTED IN ACCORDANCE
 WITH THE CURRENT REGULATIONS OF THE FAA AND IS APPROVED FOR RETURN
 TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS STATION
 UNDER:

WORK ORDER NO. 23954 DATE 7-15-05
 SIGNED *[Signature]*
 CRS:KD6R661N

AIR TIME AND



Air Center of Salt Lake
7365 S 4450 W
West Jordan, UT 84084
801-566-4829

ENGINEERING RECORD
USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE

Model: DA40-180
N#: N500NA
S/N: 40.367

W/O: 2113
Hobbs: 370.8

Found cracked exhaust riser on # 2 cylinder, Replaced riser with overhauled unit from Diamond aircraft P/N DA40-3, S/N 1BG74-0006, ops chk good. Work performed by Jon Spargen.

Date: July 13, 2005

[Signature]
Huy Bui 646243821 A&P

KINGS AVIONICS, INC.

N 500NA S/N 40.367

THIS IS A PERMANENT LOGBOOK ENTRY PERFORMED SOFTWARE UPDATE TO THE GARMIN G-1000 SYSTEM, AND UPDATED TERRAIN DATA CARDS IAW GARMIN SERVICE BULLETIN 0519, REVISION B. PERFORMED TESTS IAW 6100 POST INSTALLATION CHECKOUT, DIAMOND DA 40, AMMENDMENT 1. INSTALLED NEW FLIGHTMANUAL SUPPLEMENT AND NEW TERRAIN DATA CARD LABELS. REMOVED "USE OF VNAV IS PROHIBITED" PLACARD. AIRCRAFT RETURNED TO SERVICE. — END —

GENERAL AVIATION MAINTENANCE RELEASE, THE ABOVE IDENTIFIED (X) AIRCRAFT () APPLIANCE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH THE CURRENT REGULATIONS OF THE FAA AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS STATION

UNDER:
WORK ORDER NO. 24012 DATE 7-26-05
SIGNED [Signature]
CRS:KD6R661N



Air Center of Salt Lake
7365 S 4450 W
West Jordan, UT 84084
801-566-4829

Model: DA40-180
N#: N500NA
S/N: 40.367

W/O: 215584
Hobbs: 398.5

Replaced RT wing strobe light with a new Whelan strobe P/N A-610. Ops chk good

Date: July 29, 2005

[Signature]
Huy Bui 646243821 A&P


Model: Diamond DA 40-180 S/N: 40.367 Reg #: N500NA	 Air Center of Salt Lake	Salt Lake Municipal Airport #2 7365 South 4450 West West Jordan, UT 84084 801-566-4829	W/O #: 2195 Hobbs: 422.5 TTA: 422.5
C/W 100HR inspection in accordance with Diamond DA 40-180 Maintenance Manual. C/W FAR 91.207(d) 1-4 ELT ops check requirements. No defects noted. Next due @ 8-2006. ELT battery due @ 7-2006. Replaced all brake pads with new pads P/N 066-14100 and rivets. Ops chk good. Installed new copper safety wire on emergency artificial horizon switch. Performed routine servicing and maintenance. Run up, ops and leak checks good. I certify that this aircraft has been inspected in accordance with an 100 HR inspection and determined airworthy this date.			
Date: August 23, 2005		Inspector: <i>[Signature]</i> Huy Bui 646243821 A&P	

CARRIED FORWARD

ENGINEERING RECORD

INSPECTION, REPAIRS & REPLACEMENT

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



**Air Center
of Salt Lake**

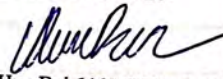
Air Center of Salt Lake
7365 S 4450 W
West Jordan, UT 84084
801-566-4829


Model: DA40-180
N#: N500NA
S/N: 40.367

W/O: 2307
Tach/Hobbs: 445.4/495.7

Removed damaged fuselage fin, and replaced with a new fin P/N DA4-5300-20-OOWI from Diamond aircraft, ops chk good.

Date: November 18, 2005


 Huy Bui 646243821 A&P



**Air Center
of Salt Lake**

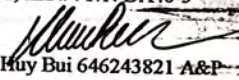
Air Center of Salt Lake
7365 S 4450 W
West Jordan, UT 84084
801-566-4829

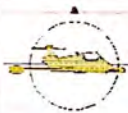
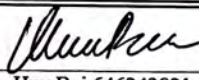
Model: DA40-180
N#: N500NA
S/N: 40.367

W/O: 2241
Hobbs: 500.6

Replaced exhaust risers with the following P/N: #1 DA40-1 S/N IE383-0005, #2 P/N DA40-3 S/N IE387-0002, #3 P/N DA40-2 S/N IE472-0001, and #4 P/N DA40-5 S/N IE388-0003 from Diamond aircraft, ops chk good.

Date: November 17, 2005


 Huy Bui 646243821 A&P

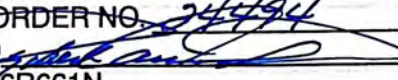
Model: Diamond DA 40-180 S/N: 40.367 Reg #: N500NA	 Air Center of Salt Lake	Salt Lake Municipal Airport #2 7365 South 4450 West West Jordan, UT 84084 801-566-4829	W/O #: 2338 Tach: 468.9 Hobbs: 524.4 TTA: 468.9
<p>All times are now calculated from the tachometer. C/W 100HR inspection in accordance with Diamond DA 40-180 Maintenance Manual. C/W FAR 91.207(d) 1-4 ELT ops check requirements. No defects noted. Next due @ 12-2006. ELT battery due @ 7-2006. Replaced RT main tire with a new Air Hawk 6.00x6 6 ply tire, repacked bearings, filled tire to 36 PSI, ops and leak chk good. Performed routine servicing and maintenance. Run up, ops and leak checks good. I certify that this aircraft has been inspected in accordance with an 100 HR inspection and determined airworthy this date.</p>			
Date: December 22, 2005		Inspector:  Huy Bui 646243821 A&P	

KINGS AVIONICS, INC. N 500NA S/N 40.367

THIS IS A PERMANENT LOGBOOK ENTRY REMOVED GARMIN GDU-1040 MPD DISPLAY P/N 01-00972-00 S/N 86500394, AND INSTALLED AN EXCHANGE GDU-1040 DISPLAY P/N 01-00972-00 S/N 86503530. LOADED SOFTWARE AND CONFIGURED IAW THE GARMIN G-1000 MANUAL. CHECKS GOOD.

GENERAL AVIATION MAINTENANCE RELEASE, THE ABOVE IDENTIFIED (X) AIRCRAFT () APPLIANCE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH THE CURRENT REGULATIONS OF THE FAA AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS STATION UNDER:

WORK ORDER NO. 24494 DATE 1-10-2006

SIGNED 

CRS:KD6R661N

AIR TIME AND

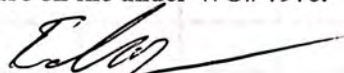
DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.	
	HRS.	MIN.	HRS.	MIN.
AKINC 15290 North 78th Way Scottsdale AZ. 85260 SDL				

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

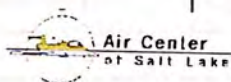
N500NA Diamond Star DA40-180 s/n 40367 1/6/06 Tach Time: 530.7 hrs
 Removed aircraft battery p/n CB24-11M, s/n 40018115 for condition check, found fluid level to be low and cells shorted. Serviced, charged and installed new battery p/n CB24-11M, s/n 40094419 I/A/W Manuf. Instructions for Continued Airworthiness Drawing 5-0144 Rev. E.

With regard to the work described above, I certify that the above stated maintenance and/or inspection was performed in accordance with the Federal Aviation Regulations and this aircraft is presently airworthy and approved for return to service. Details are on file under WO# 7976.

Signed:


Ed Brown

A&P: 453570067 Date: 01/06/06



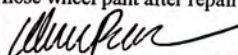
Air Center of Salt Lake
 7365 S 4450 W
 West Jordan, UT 84084
 801-566-4829

Model: DA40-180
 N#: N500NA
 S/N: 40.367

W/O: 2358
 Tach: 477.2

Replaced the PFD cooling fan, ops chk good. Installed the nose wheel pant after repair and paint. Adjusted weight and balance.

Date: January 13, 2006


 Huy Bui 646243821 A&P

Air Center of Salt Lake
 7365 S. 4450 W.
 W. Jordan, UT 84084
 801-566-4829



Model: DA40-180
 N#: 500NA

W/O: 2450
 Tach: 498.3

Installed muffler brace kit in accordance with MSB 40-044/1, ops chk good.

March 30, 2006


 Huy Bui 646243821IA

CARRIER

**WO#1607
 Tach: 503.5**

FairAir
 Hanger 755E
 Ogden Hinckley Airport
 Ogden, UT. 84405
 801-399-3042

Model: DA-40
 S/N:
 Reg: N500NA

Performed test and inspection as required by FAA FAR91.413 and/or 91.411 part 43 appendix E&F pertinent details as follows.

Transponder Make G1000 S/N _____
 Altimeter Make G1000 Model _____ S/N _____

Static System and Altimeter tested to 20,000 Feet Leak test found to be ~~not~~ to be within limits.

QFBR152Y


Robert L. Fair

Signed:

28 April 2006

ENGINEERING RECORD

6

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

SIGNATURE

LICENCE
NUMBER

Air Center of Salt Lake
7365 S. 4450 W.
W. Jordan, UT 84084
801-566-4829
N#: 500NA



Model: DA40-180
S/N 40.367

W/O: 2511
Tach: 528.2

Installed new Gill battery P/N G-243. S/N 02246745. Run up ops check good

Huy Bui

May 26, 2006

Huy Bui 646243821IA

Reg# N500NA
Make: Diamond
Model: DA40-180
S/N: 40.367



Salt Lake municipal #2
7365 S. 4450 W.
W. Jordan, UT 84084
801-566-4829

W/O: 2557
Tach: 569.8
TTA: 569.8

C/W 100 HR /Annual inspection IAW Diamond DA40-180 Maintenance Manual. C/W FAR 91.207(d) 1-4 ELT ops check requirements. No defects note, replaced ELT battery, ELT battery due @ 072008. Replaced LH main tire, clean and grease all wheel bearing, replaced RH brake lining, repaired engine cowl fasteners, replaced cabin heat SCAT hose. Completed new AD compliance log. All AD's current through this date, see AD list. Performe routine servicing and maintenance. Run up, ops and leak checks good. I certify that this aircraft has been inspected in accordance with a 100Hr/Annual inspection and determined airworthy this date.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Date: July 07, 2006

Inspector: *Huy Bui*
Huy Bui 646243821 IA

Avionics Shop, Inc. FAA Repair Station E11R623Y 105 Joslin Way Twin Falls, ID 83301
LOG ID# 893 24-July-2006 HOBBS 693.7
N500NA S/N 40-367 DIAMOND DA-40 TACH 598.3

Pg 1 / 1

Performed avionics inspection IAW Air Center of Salt Lake "Avionics Inspection Procedures" checklist. See checklist for inspection details.

Ronnie R. Miller

24 July 06

Repairman Certificate 512808230 Ronnie R. Miller

Date

Air Center of Salt Lake
7365 S. 4450 W.
W. Jordan, UT 84084
801-566-4829
N#: 500NA



Model: DA40-180
S/N 40.367

W/O: 2627
Tach: 634.9

Troubleshoot found bad RH fuel sending unit, removed bad one, installed new sending unit P/N 3010011, leak check and ops check good.
Replaced copilot rudder spring, P/N MS24586C207. ops check good.

Huy Bui
Huy Bui 646243821IA


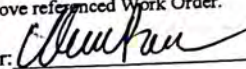
September 6, 2006


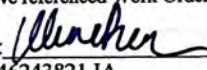
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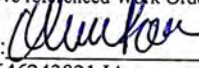
ENGINEERING RECORD

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

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

Reg# N500NA Make: Diamond Model: DA40-180 S/N: 40.367	 AIR CENTER OF SALT LAKE	Salt Lake municipal #2 7365 S. 4450 W. W. Jordan, UT 84084 801-566-4829	W/O: 2658 Tach: 669.8 TTA: 669.8
C/W 100 HR /Annual inspection IAW Diamond DA40-180 Maintenance Manual. C/W FAR 91.207(d) 1-4 ELT ops check requirements. No defects note, ELT battery due @ 07-2008. Replaced nose gear stop bracket with P/N D41-3223-0051, ops check good. Replaced all new brake lining. Completed new AD compliance log. All AD's current through this date, see AD list. Performed routine servicing and maintenance. Run up, ops and leak checks good. I certify that this aircraft has been inspected in accordance with a 100Hr/Annual inspection and determined airworthy this date.			
The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.			
Date: September 22, 2006			Inspector:  Huy Bui 646243821 IA

Reg# N500NA Make: Diamond Model: DA40-180 S/N: 40.367	 AIR CENTER OF SALT LAKE	Salt Lake municipal #2 7365 S. 4450 W. W. Jordan, UT 84084 801-566-4829	W/O: 2760 Tach: 769.8 TTA: 769.8
C/W 100 HR /Annual inspection IAW Diamond DA40-180 Maintenance Manual. C/W FAR 91.207(d) 1-4 ELT ops check requirements. No defects note, ELT battery due @ 07-2008. Replaced muffler support brace P/N 041-7806-20-01, replaced missing camlock, replaced strip screw head. Replaced pilot side seat belt latch harness P/N 5-01-1C0701-LH. Replaced LH brake caliper O-Ring, bleed brake ops check good, replaced left main and nose tire, clean and grease wheel bearing. Complied with AD 2006-23-04 found N/A by aircraft S/N. Completed new AD compliance log. All AD's current through this date, see AD list. Performed routine servicing and maintenance. Run up, ops and leak checks good. I certify that this aircraft has been inspected in accordance with a 100Hr/Annual inspection and determined airworthy this date.			
The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.			
Date: January 05, 2007			Inspector:  Huy Bui 646243821 IA

Reg# N500NA Make: Diamond Model: DA40-180 S/N: 40.367	 AIR CENTER OF SALT LAKE	Salt Lake municipal #2 7365 S. 4450 W. W. Jordan, UT 84084 801-566-4829	W/O: 2887 Tach: 866.7 TTA: 866.7
C/W 100 HR /Annual inspection IAW Diamond DA40-180 Maintenance Manual. C/W FAR 91.207(d) 1-4 ELT ops check requirements. No defects note, ELT battery due @ 07-2008. Replaced LH brake lining, replaced RH main tire, clean and grease wheel bearing. Replaced alternator brush, run up ops check good. Completed new AD compliance log. All AD's current through this date, see AD list. Performed routine servicing and maintenance. Run up, ops and leak checks good. I certify that this aircraft has been inspected in accordance with a 100Hr/Annual inspection and determined airworthy this date.			
The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.			
Date: April 25, 2007			Inspector:  Huy Bui 646243821 IA

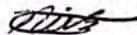
Air Center of Salt Lake
 7365 S. 4450 W.
 W. Jordan, UT 84084
 801-566-4829
 N#: N500NA



Model: DA 40-180
 S/N: 40.367

W/O: 3000
 Tach: 892.5

Performed hard landing inspection IAW Diamond Aircraft Maintenance manual Sec. 05-50-00. Found no defects on airframe, except for items listed below. Installed new aileron part #: DA-45761-62-00 and wing tip part #: DA5732-00-00 also a static wick part #: 16630 and new striker plate on empanage lower fin. Removed wheel pants weight and balance has been revised. Ops check good.
 September 12, 2007
 E. Nietz 2721775 A&P



LICENCE
NUMBER

KINGS AVIONICS, INC.

N 500NA S/N 40.367

THIS IS A PERMANENT LOGBOOK ENTRY LOADED NEW IGRF MAGNETIC FIELD SOFTWARE INTO THE GARMIN G-1000 SYSTEM IAW SERVICE BULLETIN 0533. CHECKS GOOD. ALSO UPLOADED NEW SYSTEM SOFTWARE IN THE G-1000 SYSTEM IAW G-1000 FIELD UPDATE INSTRUCTIONS AND SOFTWARE SERVICE BULLETIN 0622. CHECKS GOOD. — END —

GENERAL AVIATION MAINTENANCE RELEASE, THE ABOVE IDENTIFIED (X) AIRCRAFT () APPLIANCE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH THE CURRENT REGULATIONS OF THE FAA AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS STATION UNDER:

WORK ORDER NO. 26294 DATE 1/19/07
SIGNED [Signature]
CRS:KD6R661N

KINGS AVIONICS, INC.

N 500NA S/N 40.367

THIS IS A PERMANENT LOGBOOK ENTRY REMOVED EGC TURN COORDINATOR P/N 1394T100-12RZ S/N 2308-552, AND INSTALLED AN EXCHANGE TURN COORDINATOR P/N 1394T100-12RZ S/N 9809-122. CHECKS GOOD. AUTOPILOT GROUND CHECKS GOOD. — END —

GENERAL AVIATION MAINTENANCE RELEASE, THE ABOVE IDENTIFIED (X) AIRCRAFT () APPLIANCE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH THE CURRENT REGULATIONS OF THE FAA AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS STATION UNDER:

WORK ORDER NO. 26294 DATE 1/24/07
SIGNED [Signature]
CRS:KD6R661N

KINGS AVIONICS, INC.

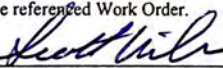
N 500NA S/N 40.367

THIS IS A PERMANENT LOGBOOK ENTRY Removed defective M.F.D. Model GDU-1040 P/N# 011-00972-00 S/N# 86503520 & installed service exchange unit model GDU-1040 P/N# 011-00972-00 S/N# 86581216. Performed ground tests I.A.W. Garmin Flight Line Maintenance Manual for G-1000 system. Ground checked O.K.



GENERAL AVIATION MAINTENANCE RELEASE, THE ABOVE IDENTIFIED (X) AIRCRAFT () APPLIANCE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH THE CURRENT REGULATIONS OF THE FAA AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS STATION UNDER:

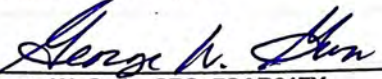
WORK ORDER NO. 26294 DATE 1/24/07
SIGNED [Signature]
CRS:KD6R661N

ENGINEERING RECORD

Reg# N500NA Make: Diamond Model: DA40-180 S/N: 40.367	 AIR CENTER OF SALT LAKE	Salt Lake municipal #2 7365 S. 4450 W. W. Jordan, UT 84084 801-566-4829	W/O: 3266 Tach: 966.0 TTA: 966.0
C/W 1000 HR /Annual inspection IAW Diamond DA40-180 Maintenance Manual. C/W FAR 91.207(d) 1-4 ELT ops check requirements. No defects note, replaced ELT battery, ELT battery due @ 07-2008. Replaced Right brake linings. P/N 066-14100. Cleaned and re glued right flap boot under rear seat right side. C/W AD 2007-11-21 Fuel Selector U joint. Replaced Fuel Selector U Joint P/N D41-2823-20-00CS rev a. AD next due @ 1966.0. C/W AD2007-17-06 Nose landing gear leg. No cracks found. Next Due @ 1066.0 Completed new AD compliance log. All AD's current through this date, see AD list. Performed routine servicing and maintenance. Run up, ops and leak checks good. I certify that this aircraft has been inspected in accordance with a 1000Hr/Annual inspection and determined airworthy this date.			
The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.			
Date: February 14, 2008			Inspector:  Scott Wilson IA3142227


AIR CENTER AVIONICS CRS: 7SAR617Y			
SCALE CORRECTIONS		ALTIMETER S/N 43B496	
ALT. READS	ADD ALGEBRAICALLY	ALT. READS	ADD ALGEBRAICALLY
-1000	-10	25000	
0	-10	30000	
500	-5	35000	
1000	-10	40000	
1500	0	45000	
2000	-5	50000	
3000	-5		
4000	-10		
6000	-30		
8000	-40		
10000	-50		
12000	-60		
14000	-60		
16000	-70		
18000	-70		
20000	-75		
22000			


DATE: 05-04-08 TESTED BY:  INSPECTED BY: 


Model: DA40-180 S/N: 40.367 Reg# N500NA	 AIR CENTER AVIONICS	7365 S. 4450 W. W. Jordan, UT 84084 CRS:7SAR617Y	W/O: A00064 TACH: 1031.1 HOBBS: 1247.2
Perform Altimeter and Static System Test and Certification as required by FAR 91.411 in accordance with 14 CFR PART 43 Appendix "E". United Altimeter S/N 43B496. Perform Transponder and automatic altitude reporting system Test and Certification as required by FAR 91.413 in accordance with 14 CFR PART 43 Appendix "F". Garmin GTX 33 Transponder.			
The aircraft, airframe, or appliance identified above was repaired and/or inspected in accordance with current Federal Aviation Regulations and is approved for return to service applicable only to the work described above. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.			
Inspector:  George W. Goris CRS: 7SAR617Y			Date: May 4, 2008


AIR TIME AND

FOR COMPLETION

Reg# N500NA Make: Diamond Model: DA40-180 S/N: 40.367	 AIR CENTER <small>OF SALT LAKE</small>	Salt Lake municipal #2 7365 S. 4450 W. W. Jordan, UT 84084 801-566-4829	W/O: 3427 Tach: 1065.8 TTA: 1065.8
C/W 100 HR /Annual inspection IAW Diamond DA40-180 Maintenance Manual. Replaced ELT Batteries with Duracell D. C/W FAR 91.207(d) 1-4 ELT ops check requirements. No defects note, replaced ELT battery, ELT battery due @ 06-2009. C/W AD2007-17-06 Nose landing gear leg. No cracks found. Next Due @ 1265.8. Repaired cracked Skid Fairing with fiberglass repair. Completed new AD compliance log. All AD's current through this date, see AD list. Performed routine servicing and maintenance. Run up, ops and leak checks good. I certify that this aircraft has been inspected in accordance with a 100Hr/Annual inspection and determined airworthy this date.			
The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.			
Date: June 26, 2008			Inspector: <i>Scott Wilson</i> Scott Wilson IA3142227

Reg# N500NA Make: Diamond Model: DA40-180 S/N: 40.367	 AIR CENTER <small>OF SALT LAKE</small>	Salt Lake municipal #2 7365 S. 4450 W. W. Jordan, UT 84084 801-566-4829	W/O: 3522 Tach: 1168.0 TTA: 1168.0
C/W Annual inspection IAW Diamond DA40-180 Maintenance Manual. Replaced ELT Batteries with Duracell D. C/W FAR 91.207(d) 1-4 ELT ops check requirements. No defects note, replaced ELT battery, ELT battery due @ 06-09. Completed new AD compliance log. All AD's current through this date, see AD list. Performed routine servicing and maintenance. Run up, ops and leak checks good. I certify that this aircraft has been inspected in accordance with an Annual inspection and determined airworthy this date.			
The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.			
Date: September 11, 2008			Inspector: <i>Scott Wilson</i> Scott Wilson IA3142227

Air Center of Salt Lake 7365 S. 4450 W. W. Jordan, UT 84084 801-566-4829 N#: N500NA	 AIR CENTER <small>OF SALT LAKE</small>
Model: DA 40-180 S/N: 40.367	W/O: 3593 Tach: 1212.9
Replaced worn out RH, LH main landing gear brake pads with new pads p/n: C1-eveland 066-1400. Operational check satisfactory.	
October 27, 2008	<i>Kang-Hyun Lee</i> Kang-Hyun Lee 3182004 A&P


Air Center of Salt Lake 7365 S. 4450 W. W. Jordan, UT 84084 801-566-4829 N#: 500NA	 AIR CENTER <small>OF SALT LAKE</small>
Model: DA40-180 S/N 40.367	W/O: 3639 Tach: 1248.2
Replaced LH strobe light bulb with new one P/N 01-079006-00-07, ops check good.	
December 1, 2008	<i>Huy Bui</i> Huy Bui 646243821AP

CARRIED FORWARD

ENGINEERING RECORD

Reg# N500NA Make: Diamond Model: DA40-180 S/N: 40.367	 AIR CENTER OF SALT LAKE	Salt Lake municipal #2 7365 S. 4450 W. W. Jordan, UT 84084 801-566-4829	W/O: 3673 Tach: 1264.9 TTA: 1264.9
C/W Annual inspection IAW Diamond DA40-180 Maintenance Manual. Replaced ELT Batteries with Duracell D. C/W FAR 91.207(d) 1-4 ELT ops check requirements. No defects note, replaced ELT battery, ELT battery due @ 06-09. Replaced Left and Right main tires w/Air track 600x6 6ply. Repacked wheel bearings. Replaced aircraft battery w/ Gill 243 S/N Go2324989. C/W AD2007-17-06 Nose Gear leg. No cracks found. Next compliance due @ 1464.9. Completed new AD compliance log. All AD's current through this date, see AD list. Performed routine servicing and maintenance. Run up, ops and leak checks good. I certify that this aircraft has been inspected in accordance with an Annual inspection and determined airworthy this date.			
The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.			
Date: January 8, 2009			Inspector: <i>Scott Wilson</i> Scott Wilson IA3142227

CENCE
UMBER

Air Center of Salt Lake 7365 S. 4450 W. W. Jordan, UT 84084 801-566-4829 N#: 500NA	 AIR CENTER OF SALT LAKE
Model: DA40-180 S/N 40.367	W/O: Quick Invoice Tach: 1342.1
Replaced ELT Batteries with Duracell D. C/W FAR 91.207(d) 1-4 ELT ops check requirements. No defects note. ELT battery due @ 06-2010.	
June 11, 2009	
Inspector: <i>Scott Wilson</i> Scott Wilson 3142227	

March 6, 2009

Removed center control console, replaced parking brake lever P/N D41-7613-10-16. Reinstalled center control console, ops check good.

Inspector: *Scott Wilson*


Nierz Elmer 2721775AP


Inspector: *Nierz Elmer*

Air Center of Salt Lake
7365 S. 4450 W.
W. Jordan, UT 84084
801-566-4829

Model: DA40-180
N#: 500NA
W/O: 3725
Tach: 1288.7

Air Center of Salt Lake
OF SALT LAKE

Air Center of Salt Lake 7365 S. 4450 W. W. Jordan, UT 84084 801-566-4829 N#: 500NA	 AIR CENTER OF SALT LAKE
Model: DA40-180 S/N 40.367	W/O: 3842 Tach: 1343.8
Removed lower fin, repaired crack fiber glass, paint and reinstall fin.	
July 13, 2009	
Inspector: <i>Scott Wilson</i> Scott Wilson 3142227	

Reg# N500NA Make: Diamond Model: DA40-180 S/N: 40.367	 AIR CENTER OF SALT LAKE	Salt Lake municipal #2 7365 S. 4450 W. W. Jordan, UT 84084 801-566-4829	W/O: 3901 Tach: 1364.4 TTA: 1364.4
C/W Annual inspection IAW Diamond DA40-180 Maintenance Manual. Replaced ELT Batteries with Duracell D. C/W FAR 91.207(d) 1-4 ELT ops check requirements. No defects note, replaced ELT battery, ELT battery due @ 06-2010. C/W AD2009-07-14 found N/A by S/N. C/W AD2009-10-04 by dye penetrant, no crack found next due @ 1564.4. Clean micro switch on trim switch contact, ops check good. Remove and replaced mixture cable P/N A-1510-0866. Removed and reseal brake caliper o-ring bled brake ops check good. Replaced LH and RH brake linings and brake rotors P/N RA164-24400. Replaced RH tire with Air Hawk 600X6, 6 ply tire, clean and grease wheel bearings. Completed new AD compliance log. All AD's current through this date, see AD list. Performed routine servicing and maintenance. Run up, ops and leak checks good. I certify that this aircraft has been inspected in accordance with an Annual inspection and determined airworthy this date.			
The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.			
Date: August 13, 2009			Inspector: <i>Scott Wilson</i> Scott Wilson IA3142227

AIR TIME AND

Air Center of Salt Lake
7365 S. 4450 W.
W. Jordan, UT 84084
801-566-4829
NH: 500NA



ENGINEERING RECORD
USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE

Model: DA40-180 S/N 40.367	W/O: Quick Invoice Tach: 1446.1
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Replaced copilot Rudder Cable Adjust Assembly, P/N 20-2700-21-00. Ops check good.

Scott Wilson

November 19, 2009

Scott Wilson 3142227

Reg# N500NA Make: Diamond Model: DA40-180 S/N: 40.367		Salt Lake municipal #2 7365 S. 4450 W. W. Jordan, UT 84084 801-566-4829	W/O: 4015 Tach: 1460.5 TTA: 1460.5
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Salt Lake municipal #2
7365 S. 4450 W.
W. Jordan, UT 84084
801-566-4829

W/O: 4015
Tach: 1460.5
TTA: 1460.5

C/W Annual inspection IAW Diamond DA40-180 Maintenance Manual. C/W FAR 91.207(d) 1-4 ELT ops check requirements. No defects note, ELT battery due @ 06-2010. Replaced Left main tires w/Air Hawk 600x6 6ply. Repacked wheel bearings. Replaced nose tire with Good Year 500x5, 6 ply tire, clean and repack wheel bearings. Removed rear passenger air vent repair and reinstall. Completed new AD compliance log. All AD's current through this date, see AD list. Performed routine servicing and maintenance. Run up, ops and leak checks good. I certify that this aircraft has been inspected in accordance with an Annual inspection and determined airworthy this date.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Date: December 18, 2009

Inspector: *Scott Wilson*
Scott Wilson IA3142227

Air Center of Salt Lake
7365 S. 4450 W.
W. Jordan, UT 84084
801-566-4829
NH: 500NA



Model: DA40-180 S/N: 40.367	W/O: 4032 Tach: 1487.9
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W/O: 4032
Tach: 1487.9

transponder model GTX33, S/N 84700144, replaced with exchange called S/N 8470145, updated system with latest software version 321.22. check good.

Huy Bui

December 12, 2010

Huy Bui 646243821IA

Reg# N500NA Make: Diamond Model: DA40-180 S/N: 40.367		Salt Lake municipal #2 7365 S. 4450 W. W. Jordan, UT 84084 801-566-4829	W/O: 4064 Tach: 1559.4 TTA: 1559.4
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Salt Lake municipal #2
7365 S. 4450 W.
W. Jordan, UT 84084
801-566-4829

W/O: 4064
Tach: 1559.4
TTA: 1559.4

C/W Annual inspection IAW Diamond DA40-180 Maintenance Manual. Replaced ELT Batteries with Duracell D. C/W FAR 91.207(d) 1-4 ELT ops check requirements. No defects note, replaced ELT battery, ELT battery due @ 02-11. Replaced broken ground strap at rudder. Adjusted nose gear elastimer pack. C/W AD2007-17-06 Nose Gear leg. No cracks found. Next compliance due @ 1759.4. Completed new AD compliance log. All AD's current through this date, see AD list. Performed routine servicing and maintenance. Run up, ops and leak checks good. I certify that this aircraft has been inspected in accordance with an Annual inspection and determined airworthy this date.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Date: February 26, 2010

Inspector: *Scott Wilson*
Scott Wilson IA3142227

1. Approving National Aviation Authority/Country: **FAA/UNITED STATES**

2. **AUTHORIZED RELEASE CERTIFICATE**

3. System Tracking Ref. No. **SO # 1078125**

4. Organization: **GARMIN International 1200 E 151st Olathe, KS 66062**

5. Work Order Contract/Invoice Number: **SO # 1078125**

6. Item:	7. Description:	8. Part Number:	9. Eligibility:	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1.	GTX33	011-00779-00	N/A	1	84701145	OVERHAULED

13. REMARKS: This unit is Newly Overhauled. It has been analyzed, reworked, tested, and conforms to the Newly Overhauled process set forth by Garmin. Operating software for this unit must be reloaded using the approved aircraft system software once the unit is reinstalled in the aircraft in order to complete the return to service process. Correct loading of this software can be verified by referring to the appropriate avionics/line maintenance manual.

This unit complies with Garmin's Service Bulletins No. 0409, 0422, 0426, 0523, 0543, 0626, 0730, and 0935. Unit complies with Mod 1 per SB0710. The software version installed in this unit complies with Airworthiness Directive (AD) 2005-01-19. To comply with AD 2005-01-19 the installer must verify that the software version of this unit is 3.06 or later.

14. Certifies the items identified above were manufactured in conformity to:

Approved design data and are in condition for safe operation

Non-approved design data specified in block 13

19. 14 CFR 43.9 Return to Service Other regulations specified in Block 13

Certifies that unless otherwise specified in block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

15. Authorized Signature	N / A	16. Approval/Authorization No.:	N / A	20. Authorized Signature:	<i>Donald Maddox</i>	21. Approval/Certificate No.:	G6XR582Y
17. Name (Typed or Printed)	N / A	18. Date (m/d/y)	N / A	22. Name (Typed or Printed)	Donald Maddox	23. Date (m/d/y)	Oct 16 2009

User/Installer Responsibilities

It is important to understand that the existence of this Document alone does not automatically constitute authority to install the part/component/assembly.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the Airworthiness Authority of the country specified in block 1.

Statements in block 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

ENGINEERING RECORD

Air Center of Salt Lake
7365 S. 4450 W.
W. Jordan, UT 84084
801-566-4829
N#: 500NA



AIR CENTER
OF SALT LAKE

Model: DA40-180 S/N 40.367	W/O: 4076 Tach: 1570.8
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Removed and replaced electric boost pump with overhaul one P/N 5100-00-09, S/N 6446 installed. Run up ops check good.

Scott Wilson

March 08, 2010

Scott Wilson 3142227AP

Air Center of Salt Lake
7365 S. 4450 W.
W. Jordan, UT 84084
801-566-4829
N#: 500NA



AIR CENTER
OF SALT LAKE

Model: DA40-180 S/N 40.367	W/O: 4086 Tach: 0.00 TTA: 1612.5
-------------------------------	--

Replaced starter motor, installed P/N 149-24LS, S/NF4L-430708, ops check good. Replaced PFD display P/N011-00972-00, S/N 86502263, reload software and updated data base.

March 24, 2010

Huy Bui 6462438211A

Reg# N500NA
Make: Diamond
Model: DA40-180
S/N: 40.367



AIR CENTER
OF SALT LAKE

Salt Lake municipal #2
7365 S. 4450 W.
W. Jordan, UT 84084
801-566-4829

W/O: 4104
Tach: 45.0
TTA: 1657.5

C/W 100HR/Annual inspection IAW Diamond DA40-180 Maintenance Manual. C/W FAR 91.207(d) 1-4 ELT ops check requirements. No defects noted, ~~replaced ELT battery~~, ELT battery due @ 02-11. Clean RH wing fuel sender tightened sender. Completed new AD compliance log. All AD's current through this date, see AD list. Performed routine servicing and maintenance. Run up, ops and leak checks good. I certify that this aircraft has been inspected in accordance with a 100HR/Annual inspection and determined airworthy this date.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Date: April 19, 2010

Inspector: *Scott Wilson*
Scott Wilson IA3142227

THIS IS A PERMANENT LOGBOOK ENTRY-PERFORMED TEST & INSPECTIONS IAW 14 CFR PART 43, APPENDIX E TO COMPLY WITH PART 91.411 ; APPENDIX F TO COMPLY WITH PART 91.413 91.217

STATIC SYS #1 TEST ALT STATIC SYS #2 ALT STATIC SYS #3 TEST ALT

	MANUF	MODEL	PART#	S/N	ALT
ALTIMETER#1	<u>United</u>	<u>5934PD-3</u>	<u> </u>	<u>43B796</u>	<u>20,000</u>
ADC/ENCODER #1	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
ALTIMETER #2	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
TRANSPONDER #1	<u>Garmin</u>	<u>GTX-33</u>	<u> </u>	<u>84700145</u>	<u> </u>
TRANSPONDER #2	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

PERTINENT DETAILS ARE ON FILE AT THIS REPAIR STATION UNDER W/O # 2062 N 500NA
 AUTHORIZED SIGNATURE Wm Ky DATED 6/17/2010 RECERT DUE DATE 6/17/2012
 AVTECH SERVICES, LLC. Woods Cross, UT CRS: 7AYR463B Form: AS-504A

AIR

Air Center of Salt Lake
7365 S. 4450 W.
W. Jordan, UT 84084
801-566-4829
N#: 500NA



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

Model: DA40-180
S/N 40.367

W/O: 4146
Tach: 88.8
TTA: 1701.3

Replaced MFD display P/N011-00972-00, S/N 86500374, load new software with latest version, ops check good.

Handwritten signature

June 18, 2010

Huy Bui 646243821AP

Reg# N500NA
Make: Diamond
Model: DA40-180
S/N: 40.367



Salt Lake municipal #2
7365 S. 4450 W.
W. Jordan, UT 84084
801-566-4829

W/O: 4226
Tach: 141.9
TTA: 1754.4

C/W 100HR/Annual inspection IAW Diamond DA40-180 Maintenance Manual. C/W FAR 91.207(d) 1-4 ELT ops check requirements. No defects note, replaced ELT battery, ELT battery due @ 02-11. Replaced nose wheel bearing cup and cone P/N 08231 & 08123, repack wheel bearings. Repaired surface crack on aft pass door hinge area. C/W AD 2009-10-04 Nose Landing Gear Leg. No defects found. Completed new AD compliance log. All AD's current through this date, see AD list. Performed routine servicing and maintenance. Run up, ops and leak checks good. I certify that this aircraft has been inspected in accordance with a 100HR/Annual inspection and determined airworthy this date.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Date: October 5, 2010

Inspector: *Scott Wilson*
Scott Wilson IA3142227

MAKE: DIAMOND
MODEL: DA 40
S/N: 40.367
REG. NO N500NA
WORK ORDER: 21075

Million Air - Salt Lake City

Repair Station No. K5SR339N
303 N 2370 W
Salt Lake City, Utah 84116
Phone: 801 359-2085

DATE: 11/3/2010
A/C TSN: 1717 2
TACH: 146.4
17589

Airframe Entries

41.7
MAIN TIRE SERVICED TO 36 PSI AND NOSE TIRE TO 29 PSI.... MAIN WHEEL FAIRINGS REMOVED. WEIGHT AND BALANCE PREVIOUSLY UPDATED TO REFLECT CHANGES... TOUCHED-UP DAMAGED AREAS WITH PAINT AS NEEDED... PILOTS AND CO-PILOTS SEAT INSERTS REPLACED WITH LL3805 HAROLD SWICK LEATHER BY EXTREME MEASURES W/O 1519 DATED 10/27/2010. BURN CERTIFICATION C/W PER 14 CFR 25.753 (a) APPENDIX F PART I (a) (1)(ii) (AMENDMENT 25-83) SEE CERTIFICATION FROM CUSTOM PRODUCTS INC TEST REPORT 020507 DATED 02/05/07... ESSENTIAL BUS 1000 HOUR CHECK OF BOTH ENDS OF EACH WIRE CONNECTED TO THE BATTERY RELAY FOR INSECURE CONNECTION C/W. CHECKED ESSENTIAL BUS COPPER BAR (BEHIND CIRCUIT BREAKERS) FOR LOOSENESS. NO DEFECTS NOTED.... KINGS AVIONIC CRS # KD6R661N UNDER THEIR W.O. 31685 DATED 11/02/10 C/W BONDING SYSTEM AND STATIC DISCHARGING SYSTEM 1000 HOUR RESISTANCE MEASUREMENTS PER SECTION 51-80.... RUDDER CABLES 3.2MM (1/8 IN.) 3000/ 5 YEAR TIME CHANGE COMPLIED WITH BY REMOVING RUDDER CABLES AND INSTALLING CSKIT-04. ALL WORK ACCOMPLISHED I/A/W DA40 SERIES AMM 27-20-00 AND 06-00-00. OPERATIONAL CHECK SATISFACTORY.... RIGHT STEP PAINTED AREA REMOVED UNDER BONDING STRAP. OPERATIONAL CHECK SATISFACTORY.... LH WING OUTBOARD STATIC WICK REMOVED AND REPLACED WITH A NEW WICK P/N 16630.

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Million Air-SLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Repair order No. 21075

DATE: 11/3/2010

SIGNED:

Jimmy P. Ray

Jay
Certified Repair Station No. K5SR339N

Work Order: 21075


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ENGINEERING RECORD

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

Kings Avionics, Inc. 237 NORTH 2370 WEST SALT LAKE CITY, UTAH 84116 KD6R661N
LOG ID# 2951 02-November-2010 WO# 31685/1 AC TT 2150.4
N500NA S/N 40.367 DIAMOND AIRCRAFT IND DA 40

THIS IS A PERMANENT LOGBOOK ENTRY : Pg 1 / 1
DISCREPANCY: BONDING SYSTEM AND STATIC DISCHARGING SYSTEM DUE 1000 HOUR RESISTANCE MEASUREMENTS
ACTION: Performed bonding & static discharge inspection IAW Diamond DA-40 AMM, Ch 51-80-00.
Notified customer of failed items. Tested items after repairs. Checks good.
GENERAL AVIATION MAINTENANCE RELEASE---THE AIRCRAFT/APPLIANCE WAS REPAIRED AND INSPECTED IN
ACCORDANCE WITH CURRENT REGULATIONS OF THE FAA AND IS APPROVED FOR RETURN TO SERVICE.
PERTINENT
DETAILS OF THE REPAIR ARE ON FILE AT THIS STATION UNDER WORK ORDER #31685.

 11/03/10
Signed Date

N Number: N500NA
Model: DA40
S/N: 40.367

A maintenance flight is required on this aircraft for the following items:

- (1) CHAPTER 4 RUDDER CABLE TUNE CHANGE.

- Aircraft maintenance flight, flown satisfactory
- Aircraft maintenance flight flown unsatisfactory. A list of discrepancies forwarded to maintenance for corrective action.

Pilot RC mee Cert. 3113096CPI Date 11/3/10

MAKE: DIAMOND
MODEL: DA 40
S/N: 40.367
REG. NO: N500NA
WORK ORDER: 21220

Million Air - Salt Lake City
Repair Station No. K5SR339N
303 N 2370 W
Salt Lake City, Utah 84116
Phone: 801 359-2085

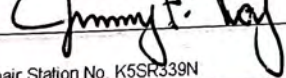
DATE: 12/2/2010
A/C TSN 1732.3
TACH: 161.5

Airframe Entries

ENGINE TANIS PRE-HEATING SYSTEM P/N TAS100-03-1-104-DT S/N 44320 INSTALLED IAW DRAWING # 1029.
OPERATIONAL CHECK SATISFACTORY.

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Million Air-SLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Repair order No. 21220

DATE: 12/2/2010

SIGNED: 
Jimmy A. Gray
Certified Repair Station No. K5SR339N

Work Order: 21220
Printed by EBis 3 (datamedia.com)

AIR TIME AND

ENGINEERING RECORD

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

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

MAKE: DIAMOND
MODEL: DA 40
S/N: 40 367
REG. NO: N500NA
WORK ORDER: 21361

Million Air - Salt Lake City

Repair Station No. K5SR339N
 303 N 2370 W
 Salt Lake City, Utah 84116
 Phone 801 359-2085

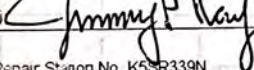
DATE: 12/13/2010
A/C TSN: 1734 4
TACH: 163 6

Airframe Entries

RUDDER PEDAL RETURN SPRING INBRD PILOTS SIDE REMOVED AND INSTALLED NEW SPRING P/N MS24586C207. OPERATIONAL CHECK SATISFACTORY.

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Million Air-SLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Repair order No. 21361

DATE: 12/13/2010

SIGNED: 
 jray
 Certified Repair Station No. K5SR339N

Work Order: 21361

Printed by EBIS 3 (datcomedia.com)

MAKE: DIAMOND
MODEL: DA 40
S/N: 40 367
REG. NO: N500NA
WORK ORDER: 21703

Million Air - Salt Lake City

Repair Station No. K5SR339N
 303 N 2370 W
 Salt Lake City, Utah 84116
 Phone 801 359-2085

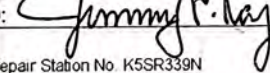
DATE: 3/1/2011
A/C TSN: 1801 7
TACH: 230 9

Airframe Entries

PILOTS RUDDER PEDAL ADJUSTMENT CABLE REMOVED P/N 20-2700-21-00. AND INSTALLED NEW CABLE P/N 20-2700-21-00. OPERATIONAL CHECK SATISFACTORY. REF: DIAMOND A/C DA-40 M.M. CHAP 27-20.

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Million Air-SLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No. 21703

DATE: 3/1/2011

SIGNED: 
 jray
 Certified Repair Station No. K5SR339N

Work Order: 21703

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MAKE: DIAMOND
MODEL: DA 40
S/N: 40 367
REG. NO: N500NA
WORK ORDER: 21701

Million Air - Salt Lake City

Repair Station No. K5SR339N
 303 N 2370 W
 Salt Lake City, Utah 84116
 Phone 801 359-2085

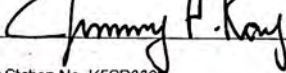
DATE: 3/17/2011
A/C TSN: 1811 8
TACH: 240 8

Airframe Entries

AIRCRAFT HAS BEEN INSPECTED FOR AN ANNUAL INSPECTION PER FAR 43 APPENDIX D AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE FOR THE WORK PERFORMED AT THIS DATE AND TIME.... ELT OPERATIONAL CHECKED SATISFACTORY IAW FAR 91.207D. BATTERY EXPIRATION DATE JUNE 2011.... AD SEARCH C/W USING ATP REVISION 03/07/11. SEE AD REPORT PRINTED 03/17/11.... ACCOMPLISHED AIRCRAFT LUBRICATION REF DA40 AMM 12-20-00... EMERGENCY BATTERY PACK REMOVED AND REPLACED WITH NEW P/N D41-2560-93-00. ALL CELLS EXP. DATE JULY 2020... LEFT MAIN TIRE REMOVED TYPE: AIRHAWK 600X6X6, P/N 30844 AND S/N B3E44509. REPLACED WITH A NEW TIRE TYPE: AIRHAWK 600X6X6PLY, P/N 30844 AND S/N B5F43710. WHEEL HALF HARDWARE TORQUED TO 150 IN LBS. BRAKE CALIPER PRESSURE PLATE BOLTS TORQUED TO 80 IN LBS. TIRE PRESSURE SERVICED TO 36 PSI. LEAK CHECK SATISFACTORY.... LEFT MLG BRAKE LININGS REMOVED AND REPLACED WITH NEW LININGS 2 EACH P/N 066-14100 USING NEW RIVETS 6 EACH P/N 105-2.... RIGHT MLG BRAKE LININGS REMOVED AND REPLACED WITH NEW LININGS 2 EACH P/N 066-14100 AND USING NEW RIVETS 6 EACH P/N 105-2.... PROPELLER DRESSED AND FACE PAINTED AS NECESSARY.... INDUCTION AIR FILTER REMOVED CLEANED AND RE INSTALLED... AD 2010-25-01 TO CHANGE THE EMERGENCY OPEN DOORS PROCEDURE AND RETROFIT THE REAR PASSENGER DOOR RETAINING BRACKET C/W I/A/W MSB 40-070 BY INSTALLING MSB-40-070 RETAINING KIT. TEMPORARY REVISION TR-MAM 40-428 PAGE 3-37b DATED APRIL 30, 2010 ON ORDER FROM DIAMOND AIRCRAFT. HAVE UNTIL 07/11/11 TO INSTALL INTO AIRCRAFT FLIGHT MANUAL. EFFECTIVE DATE 01/11/11.

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Million Air-SLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No. 21701

DATE: 3/17/2011

SIGNED: 
 jray
 Certified Repair Station No. K5SR339N

Work Order: 21701

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ENGINEERING RECORD

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

SIGNATURE

**LICENCE
NUMBER**

MAKE DIAMOND
 MODEL DA 40
 S/N 40 367
 REG NO N500NA
 WORK ORDER 21812

Million Air - Salt Lake City

Repair Station No K5SR339N
 303 N 2370 W
 Salt Lake City, Utah 84116
 Phone: 801 359-2085

DATE 3/21/2011
 A/C TSN 14176
 TACH 247

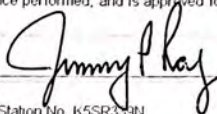
Airframe Entries

LEFT MLG WHEEL AND TIRE ASSY REMOVED AND DISASSEMBLED. LEFT TIRE REMOVED TYPE: AIRHAWK 15X600X6X6, P/N 33031 AND S/N B5F4371. REASSEMBLED WHEEL WITH NEW TIRE TYPE: AIRHAWK 600X6X6PLY, P/N 30844 AND S/N B3E40211. WHEEL HALF HARDWARE TORQUED TO 150 IN LBS. BRAKE CALIPER PRESSURE PLATE BOLTS TORQUED TO 80 IN LBS. REINSTALLED WHEEL AND TIRE ASSY. TIRE PRESSURE SERVICED TO 36 PSI. LEAK CHECK SATISFACTORY.

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Million Air-SLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No. 21812

DATE: 3/21/2011

SIGNED:



Work Order: 21812

J.P. Ray
 Certified Repair Station No. K5SR339N

Printed by EBis 3 (datcomedia.com)

MAKE DIAMOND
 MODEL DA 40
 S/N 40 367
 REG NO N500NA
 WORK ORDER 22004

Million Air - Salt Lake City

Repair Station No K5SR339N
 303 N 2370 W
 Salt Lake City, Utah 84116
 Phone: 801 359-2085

DATE 5/20/2011
 A/C TSN 19113
 TACH 3407

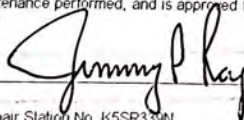
Airframe Entries

AIRCRAFT HAS BEEN INSPECTED FOR AN ANNUAL INSPECTION PER FAR 43 APPENDIX D AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE FOR THE WORK PERFORMED AT THIS DATE AND TIME.... ELT OPERATIONAL CHECKED SATISFACTORY IAW FAR 91.207.D. BATTERY EXPIRATION DATE MAR 2017.... AD SEARCH C/W USING ATP REVISION 05/09/11. SEE AD REPORT PRINTED 05/20/11.... AIRCRAFT LUBRICATION C/W PER DA40 AMM CHAPTER 12-20-00.... AD 2009-10-04, TO DETECT AND CORRECT NLG FAILURES, C/W PER PARA (f) (1) AND DIAMOND MSB40-046/3. CHECKED SATISFACTORY. NEXT INSPECTION DUE AT TACH 540.7 OR 05/19/13, WHICHEVER OCCURS LATER. EFFECTIVE DATE 06/17/09.... ELT BATTERIES REMOVED AND REPLACED WITH NEW DURACELL PROCELL BATTERIES P/N PC1300... TOP COWL RIGHT FASTNER POSITION INSTALLED ONE STUD P/N 40S5-9. ONE RING P/N 4002NS. ONE SNAP RING P/N 2791-1.... SCAT TUBE IN REAR OF CABIN , ELT PHONE CABLE AND ELT ANTENNA CABLE RESECURED WITH ZIP TIE ANCHORS P/N MB4A.

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Million Air-SLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No. 22004

DATE: 5/20/2011

SIGNED:



Work Order: 22004

J.P. Ray
 Certified Repair Station No. K5SR339N

Printed by EBis 3 (datcomedia.com)

MAKE DIAMOND
 MODEL DA 40
 S/N 40 367
 REG NO N500NA
 WORK ORDER 22133

Million Air - Salt Lake City

Repair Station No K5SR339N
 303 N 2370 W
 Salt Lake City, Utah 84116
 Phone: 801 359-2085

DATE 6/3/2011
 A/C TSN 1927
 HOBBS 2429.2

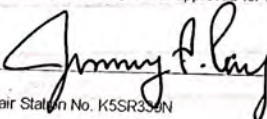
Airframe Entries

TROUBLESHOT R/H STROBE LIGHT INOP. FOUND THE FLASH TUBE INOP. FLASH TUBE ASSY. REMOVED AND REPLACED WITH A NEW FLASH TUBE ASSY. P/N 02-0250276-00. OPERATIONAL CHECK SATISFACTORY.... L/H WHITE NAV LIGHT BULB REMOVED AND REPLACED WITH A NEW BULB P/N A508-28. OPERATIONAL CHECK SATISFACTORY.

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Million Air-SLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No. 22133

DATE: 6/3/2011

SIGNED:



Work Order: 22133

J.P. Ray
 Certified Repair Station No. K5SR339N

Printed by EBis 3 (datcomedia.com)

AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD <small>NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE</small>
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD					

MAKE DIAMOND
MODEL DA 40
S/N 40 367
REG NO N500NA
WORK ORDER 21805

Million Air - Salt Lake City

Repair Station No K5SR339N
303 N 2370 W
Salt Lake City, Utah 84116
Phone 801 359-2085

DATE 6/20/2011
A/C TSN 1965 1
HOBBBS 2429 2

Airframe Entries

AD 2010-25-01 TO CHANGE THE EMERGENCY OPEN DOORS PROCEDURE AND RETROFIT THE REAR PASSENGER DOOR RETAINING BRACKET COMPLIED WITH I/A/W MSB 40-070 BY INSTALLING MSB-40-070 RETAINING KIT AND ADDING TR-MAM 40-428, COVER PAGE, DATED APRIL 30, 2010 TO AFM.

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Million Air-SLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No. 21805

DATE: 6/20/2011

SIGNED: *Jimmy P. Lay*

JPL
Certified Repair Station No. K5SR339N

Work Order: 21805

Printed by EBis 3 (datcomedia.com)

MAKE DIAMOND
MODEL DA 40
S/N 40 367
REG NO N500NA
WORK ORDER 22196

Million Air - Salt Lake City

Repair Station No K5SR339N
303 N 2370 W
Salt Lake City, Utah 84116
Phone 801 359-2085

DATE: 6/23/2011
A/C TSN 1968 3
TACH 397.5

Airframe Entries

PROPELLER REMOVED. REMOVED STARTER RING GEAR P/N 72566. INSTALLED NEW RING GEAR P/N 72566. INSTALLED PROPELLER WITH NEW O-RING P/N A1633-11 AND TORQUED PROP BOLTS TO 66 FT. LBS. SAFTIED PROP BOLTS. TIGHTNED AND SAFTIED ALTERNATOR. IAW DIAMOND AIRCRAFT DA-40 M.M. CHAP 61-10-00 PAGE 205... BATTERY REMOVED AND CHARGED TO 24 VOLTS. HYDROSTATIC TEST CHECKED GOOD. INSTALLED AND OPERATIONAL CHECKED SATISFACTORY.

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Million Air-SLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No. 22196

DATE: 6/23/2011

SIGNED: *Jimmy P. Lay*

JPL
Certified Repair Station No. K5SR339N

Work Order: 22196

Printed by EBis 3 (datcomedia.com)

ENGINEERING RECORD

INSPECTION, REPAIRS & REPLACEMENT

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

SIGNATURE

LICENCE
NUMBER

Make: Diamond
Model: DA40-180
S/N: 40.367
Reg# N500NA

**LEADING EDGE
AVIATION**

South Valley Regional Airport
7365 S. 4450 W.
W. Jordan, UT 84084
801-858-0042

W/O: Q-Invoice
Tach: 397.3

Removed and replaced starter with new one, installed Model 149-24LS, S/N F4L-051117. Removed and replaced alternator, removed S/N E111539, installed P/N ALU-8521, S/N H-K101537, installed 1 missing bolt on the alternator mounting bracket, charged aircraft battery. Advises owner that the starter ring gear have several teeth chip off, no action taken at this time. Run up, ops checks good.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Date: June 21, 2011

Inspector:
Huy Bui 6462438211A

FAA - PMA

This tag certifies that Sky-Tec Model No. **149-24LS**
Serial No. **F4L-051117** was produced by Sky-Tec under the
authority of FAA PMA No. PQ0852SW Supplement No. 1 per
CFR14 Part 21 in accordance with Sky-Tec's FAA-Approved Fabrication
Inspection System (CFR14 Part 21 §21.303) and conforms to the relevant
FAA-approved drawings. This part has been determined to be airworthy.
For installation eligibility see www.skytecair.com/eligibility.htm

Starter installed on N 500NA by Huy Bui
(Aircraft) (Mechanic)

6-21-2011 646243821 AP
(Date of Installation) (A&P No.)

Form CC1108-1

'Flight-Deck Avionics, LLC' 369 N. 2370 W. Suite 102, Salt Lake City, UT 84116: CRS# F62R677Y Form No. FD-007
3455 W. Mike Jense Pkwy, Suite 201, Provo, UT 84601: CRS# F62D677Y

Tail #: N500NA Mfg: Diamond Aircraft Model: DA 40 Serial: 40.367

This is A Permanent Logbook Entry:

Removed PFD (Garmin GDU 1040, PN: 011-00972-00, SN: 86502263), installed overhauled PFD (Garmin GDU 1040, PN: 011-00972-00, SN: 86502361), and configured in accordance with Garmin Installation Bulletin 1106 Rev.A, dated February 21, 2011. No defects noted.

The above identified aircraft has been maintained and inspected in accordance with current FARs and is approved for return to service. Details are on file at this station under work order no. 3060.

Signed: Mark Anders Digital signed by Mark Anders
DN: cn=Mark Anders, o=Flight Deck Avionics, LLC, ou,
email=mark@flightdeckavionics.com, c=US
Date: 2011.06.29 13:28:59 -0700 Date: 06/29/2011

(FAA CRS# F62R677Y / F62D677Y)

ENGINEERING RECORD

INSPECTION, REPAIRS & REPLACEMENT

SIGNATURE

LICENCE
NUMBER

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

MAKE DIAMOND
MODEL DA 40
S/N 40 367
REG NO N500NA
WORK ORDER 22505

Million Air - Salt Lake City

Repair Station No K5SR339N
303 N 2370 W
Salt Lake City, Utah 84116
Phone 801 359-2085

DATE 9/2/2011
A/C TSN 2043 9
TACH 473 1

Airframe Entries

R/H SPIT WINDOW REMOVED P/N DV415475. INSTALLED NEW WINDOW P/N DA45-5521-22-00-GS. OPERATIONAL CHECKED SATISFACTORY.... LEFT MLG BRAKE LININGS REMOVED AND REPLACED WITH NEW LININGS 2 EACH P/N 066-14100 USING NEW RIVETS 6 EACH P/N 105-2.... RIGHT MAIN WHEEL REMOVED. REMOVED TIRE P/N AIRHAWK 6.00-6 S/N B3E42209 . INSTALLED NEW AIRHAWK TIRE P/N 6.00-6 S/N B3E41511. SERVICED WHEEL ASSY. TO 36 PSI. INSTALLED WHEEL ASSY. TO RIGHT MAIN GEAR WITH SUPPLIED NUT AND BOLT. REF: DIAMOND AIRCRAFT DA-40 M.M. CHAP 32-40. LEAK CHECK SATISFACTORY.... RIGHT BRAKE CALIPER REMOVED. REMOVED PUCK O-RING P/N MS28775-224. INSTALLED NEW PUCK O-RING P/N MS28775-224. INSTALLED CALIPER TO BRAKE SYSTEM. BLEED SYSTEM. OPERATIONAL AND LEAK CHECK SATISFACTORY. REF: DIAMOND AIRCRAFT DA-40 M.M. CHAP 32-40.

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Million Air-SLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No 22505

DATE: 9/2/2011

SIGNED:

Jimmy P. Ray
jray
Certified Repair Station No K5SR339N

Work Order: 22505

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MAKE DIAMOND
MODEL DA 40
S/N 40 367
REG NO N500NA
WORK ORDER 22564

Million Air - Salt Lake City

303 N 2370 W
Salt Lake City, Utah 84116
Phone: 801 359-2085

DATE 9/16/2011
A/C TSN 2043 9
TACH 473 1

Airframe Entries

AIRCRAFT BATTERY REMOVED, SERVICED AND CHARGED BATTERY. REINSTALLED BATTERY. OPERATIONAL CHECKED SATISFACTORY.

DATE: 9/16/2011

SIGNED:

JGtaft
jgtaft, A&P: 3343924

Work Order: 22564

Printed by EBis 3 (datcomedia.com)

MAKE DIAMOND
MODEL DA 40
S/N 40 367
REG NO N500NA
WORK ORDER 22658

Million Air - Salt Lake City

303 N 2370 W
Salt Lake City, Utah 84116
Phone: 801 359-2085

DATE 10/9/2011
A/C TSN 2068 1
TACH 497 9

Airframe Entries

BATTERY REMOVED, CHARGED, AND SERVICED. BATTERY INSTALLED OPERATIONAL CHECK SATISFACTORY.

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Million Air-SLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No 22658

DATE: 10/9/2011

SIGNED:

Andrew Young
ayoung, A&P: 2821712

Work Order: 22658

Printed by EBis 3 (datcomedia.com)

AIR TIME AND

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

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

MAKE DIAMOND MODEL DA 40 S/N 40 367 REG NO N500NA WORK ORDER 22700	Million Air - Salt Lake City Repair Station No K5SR339N 303 N 2370 W Salt Lake City, Utah 84116 Phone 801 359-2085	DATE 10/17/2011 A/C TSN 2084 8 HOBBS 2629 9
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Airframe Entries

REMOVED GILL BATTERY P/N G-243 S/N G02324989. INSTALLED NEW SERVICED AND CHARGED GILL BATTERY P/N G-243 S/N ON G02666040. OPERATIONAL CHECK SATISFACTORY.

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Million Air-SLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No 22700

DATE: 10/17/2011	SIGNED:	Work Order: 22700
	J.P. Ray Certified Repair Station No. K5SR339N	Printed by EBis 3 (datcomedia.com)

MAKE DIAMOND MODEL DA 40 S/N 40 367 REG NO N500NA WORK ORDER 22774	Million Air - Salt Lake City Repair Station No K5SR339N 303 N 2370 W Salt Lake City, Utah 84116 Phone 801 359-2085	DATE 12/14/2011 A/C TSN 2108 3 HOBBS 2658 3
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Airframe Entries

AIRCRAFT HAS BEEN INSPECTED FOR AN ANNUAL INSPECTION PER FAR 43 APPENDIX D AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE FOR THE WORK PERFORMED AT THIS DATE AND TIME.... ELT OPERATIONAL CHECKED SATISFACTORY PER FAR 91.207d. BATTERY EXPIRATION DATE 03/01/17.... AD SEARCH C/W USING ATP REVISION 11/17/11. SEE AD REPORT PRINTED 12/14/11.... AIRCRAFT LUBRICATION C/W PER DA40 AMM CHAPTER 12-20-00.... AD 2009-10-04. TO DETECT AND CORRECT NLG FAILURES, C/W PER PARA (f) (1) AND DIAMOND MSB40-046/3. CHECKED SATISFACTORY. NEXT INSPECTION DUE AT TACH 737.5 OR 11/14/12, WHICHEVER OCCURS LATER. EFFECTIVE DATE 06/17/09.... RIGHT HAND WING WINDOW LATCH REMOVED AND REPLACED WITH NEW LATCH P/N 415490. OPERATIONAL CHECK SATISFACTORY.... ALTERNATOR MOUNTING BRACKET REMOVED AND REPLACED WITH NEW BRACKET P/N 07A19474.... SCAT HOSE BETWEEN HEAT MUFF AND AIR BOX REPLACED WITH NEW HOSE P/N SCAT12FT.... REGISTRATION HOLDER RE ATTACHED TO TRIM.... REAR BAGGAGE DOOR LATCH EXTERNAL RELEASE BUTTON REMOVED, CLEANED, LUBED AND RE INSTALLED. OPERATIONAL CHECK SATISFACTORY.... R/H WING FUEL DRAIN VALVE FITTING TIGHTENED. LEAK CHECKED SATISFACTORY.... L/H STROBE LENS COVER FOUND BENT. STRAIGHTNED COVER AND RE INSTALLED.... NEW INLET RING P/N D41-7166-20-31 AND NEW INDUCTION FLANGE P/N D41-7166-20-33 INSTALLED. OPERATIONAL CHECK SATISFACTORY.... ALTERNATOR TO STARTER BRACKET REMOVED AND REPLACED WITH NEW BRACKET P/N 07F23268.... L/H MLG TIRE REMOVED P/N: AB3E4, S/N: B3E40211, MAKE: AIR HAWK AND MODEL: 6.00-6X6PLY. REPLACED WITH A NEW TIRE P/N: AB3E4, S/N: B34E43811, MAKE: AIR HAWK AND MODEL: 6.00-6X6PLY.

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Million Air-SLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No. 22774

DATE: 12/14/2011	SIGNED:	Work Order: 22774
	J.P. Ray Certified Repair Station No. K5SR339N	Printed by EBis 3 (datcomedia.com)

MAKE DIAMOND MODEL DA 40 S/N 40 367 REG NO N500NA WORK ORDER 23019	Million Air - Salt Lake City Repair Station No K5SR339N 303 N 2370 W Salt Lake City, Utah 84116 Phone 801 359-2085	DATE 12/29/2011 A/C TSN 2123 3 TACH 552 5
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Airframe Entries

LEFT LANDING LIGHT LAMP REMOVED AND REPLACED WITH NEW LAMP P/N 01-0770346-01. OPERATIONAL CHECKED SATISFACTORY.....LEFT NAV TAIL LAMP REMOVED AND REPLACED WITH NEW LAMP P/N A508-28. OPERATIONAL CHECKED SATISFACTORY.

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Million Air-SLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No. 23019

DATE: 12/29/2011	SIGNED:	Work Order: 23019
	J.P. Ray Certified Repair Station No. K5SR339N	Printed by EBis 3 (datcomedia.com)

ENGINEERING RECORD

INSPECTION, REPAIRS & REPLACEMENT

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

SIGNATURE

LICENCE NUMBER

MAKE DIAMOND
MODEL DA 40
S/N 40 367
REG NO N500NA
WORK ORDER: 23193

Million Air - Salt Lake City

Repair Station No. K5SR339N
303 N 2370 W
Salt Lake City, Utah 84116
Phone. 801 359-2085

DATE 2/14/2012
A/C TSN 2155 8
TACH 585

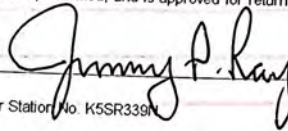
Airframe Entries

#2 CHT PROBE REMOVED AND REPLACED WITH NEW PROBE P/N A602BG-WIP. OPERATIONAL CHECK SATISFACTORY.

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Million Air-SLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No. 23193

DATE: 2/14/2012

SIGNED:



Work Order: 23193

gray
Certified Repair Station No. K5SR339N

Printed by EBis 3 (datcomedia.com)

MAKE DIAMOND
MODEL DA 40
S/N 40 367
REG NO N500NA
WORK ORDER: 23391

Million Air - Salt Lake City

Repair Station No. K5SR339N
303 N 2370 W
Salt Lake City, Utah 84116
Phone 801 359-2085

DATE 3/22/2012
A/C TSN 2189 5
TACH 618 7

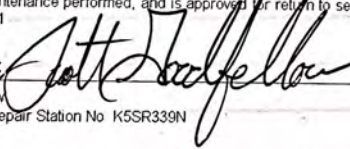
Airframe Entries

LANDING LIGHT DEACTIVATED AND PLACARDED INOP. AS REQUIRED BY FAR 91.205 AND 91.213. AIRCRAFT IS APPROVED FOR VFR FLIGHT DURING THE DAY ONLY.***CO-PILOTS STORM WINDOW LATCH REMOVED AND REPLACED WITH NEW LATCH P/N 301.25.4110.**

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Million Air-SLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No. 23391

DATE: 3/22/2012

SIGNED:



Work Order: 23391

sgoodfellow
Certified Repair Station No. K5SR339N

Printed by EBis 3 (datcomedia.com)

MAKE DIAMOND
MODEL DA 40
S/N 40 367
REG NO N500NA
WORK ORDER: 23455



KEYSTONE AVIATION

Keystone Aviation LLC

Repair Station No. K5SR339N
303 N 2370 W
Salt Lake City, Utah 84116
Phone 801 359-2085

DATE 5/10/2012
A/C TSN 2206
TACH 635 2

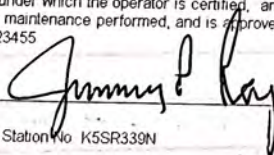
Airframe Entries

AIRCRAFT HAS BEEN INSPECTED FOR AN ANNUAL INSPECTION PER FAR 43 APPENDIX D AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE FOR THE WORK PERFORMED AT THIS DATE AND TIME.***ELT OPERATIONAL CHECKED SATISFACTORY PER FAR 91.207d. BATTERY EXPIRATION DATE 03/01/17.*****AD SEARCH C/W USING ATP REVISION 05/07/12. SEE AD REPORT PRINTED 05/10/12.*****AIRCRAFT LUBRICATION C/W PER DA40 AMM CHAPTER 12-20-00.*****LANDING LIGHT REMOVED AND REPLACED WITH NEW LAMP P/N: 01-0770346-01 PER DA40 AMM 33-40-00. OPERATIONAL CHECK SATISFACTORY.*****FLAP SELECTOR KNOB REPLACED WITH NEW KNOB P/N DA4-3144-20-51.*****REGISTRATION RE SECURED IN COCKPIT.*****PILOT SEAT UPHOLSTERY VELCRO RE SECURED.*****L/H MLG BRAKE LINE RE SECURED TO UPPER SUPPORT BRACKET.**

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Keystone Aviation LLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No. 23455

DATE: 5/10/2012

SIGNED:



Work Order: 23455

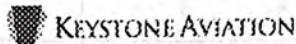
gray
Certified Repair Station No. K5SR339N

Printed by EBis 3 (datcomedia.com)

AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD <small>NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE</small>
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD					

MAKE DIAMOND
MODEL DA 40
S/N 40 367
REG NO N500NA
WORK ORDER: 22961



Keystone Aviation LLC

Repair Station No. K5SR339N
303 N 2370 W
Salt Lake City, Utah 84116
Phone 801 359-2085

DATE 5/2/2012
A/C TSN 2206
TACH 635 2

Airframe Entries

PROPELLER GOVERNOR P/N C210776 S/N 00141 REMOVED AND SENT TO PRECISION PROPELLER SERVICE INC CRS # FG6R534N WHERE UNDER THEIR W.O. 27437 DATED 05/07/12 IT WAS OVERHAULED. REINSTALLED PROPELLER GOVERNOR P/N C210776 S/N 00141 PER DA40 AMM CHAPTER 61-20-00. LEAK AND OPERATIONAL CHECKED SATISFACTORY.*****TANIS HEATING SYSTEM REMOVED AND REINSTALLED.

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Keystone Aviation LLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No. 22961

DATE: 5/2/2012

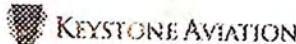
SIGNED:

Jray
Certified Repair Station No. K5SR339N

Work Order: 22961

Printed by EBis 3 (datcomedia.com)

MAKE DIAMOND
MODEL DA 40
S/N 40 367
REG NO N500NA
WORK ORDER: 23611



Keystone Aviation LLC

Repair Station No. K5SR339N
303 N 2370 W
Salt Lake City, Utah 84116
Phone 801 359-2085

DATE: 5/18/2012
A/C TSN 2211.8
TACH 641.1

Airframe Entries

LEFT NAV LAMP REMOVED AND REPLACED WITH NEW LAMP P/N RA-1524 PER DA40- AMM 33-40-00. OPERATIONAL CHECK SATISFACTORY.

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Keystone Aviation LLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No. 23611

DATE: 5/18/2012

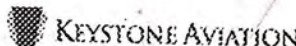
SIGNED:

sgoodfellow
Certified Repair Station No. K5SR339N

Work Order: 23611

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ENGINE MODEL
IO-360-M1A
ENGINE S/N L-32829-51E
REG NO N500NA
WORK ORDER: 23640



Keystone Aviation LLC

Repair Station No. K5SR339N
303 N 2370 W
Salt Lake City, Utah 84116
Phone 801 359-2085

DATE: 6/1/2012
A/C TSN 2235 3
ENG TT: 0
TACH 664.7

Engine Entries

ENGINE OIL DRAINED HOT. OIL FILTER REMOVED AND INSPECTED FOR CONTAMINANTS. NONE FOUND. INSTALLED NEW OIL FILTER P/N CH48110-1 AND SAFETIED. SERVICED ENGINE WITH 8 QTS OF PHILLIPS 20W50 X/C OIL. RAN AIRCRAFT. LEAK CHECK SATISFACTORY.

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Keystone Aviation LLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No. 23640

DATE: 6/1/2012

SIGNED:

crobertson
Certified Repair Station No. K5SR339N

Work Order: 23640

Printed by EBis 3 (datcomedia.com)

ENGINEERING REPORT

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

Approved for
 21. Approval/Certificate No.:
 FAA CRS OL2R061L
 23. Date (m/d/y):
 Nov/4/2010
 /component/assembly.
 airworthiness
 components/assemblies
 an installation

MAKE DIAMOND
 MODEL DA 40
 S/N 40 367
 REG NO N500NA
 WORK ORDER 23744



KEYSTONE AVIATION Keystone Aviation LLC

Repair Station No. K5SR339N
 303 N 2370 W
 Salt Lake City, Utah 84116
 Phone 801 359-2085

DATE 6/18/2012
 A/C TSN 2255 3
 TACH 664 7

Airframe Entries

REATTACHED L/H BRAKE LINE ATTACH BRACKETS TO STRUT ASSY.

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Keystone Aviation LLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No. 23744.

DATE: 6/18/2012

SIGNED:

Jimmy P. Lay
 Jimmy P. Lay
 Certified Repair Station No. K5SR339N

Work Order: 23744

Printed by EBis 3 (datcomedia.com)

MAKE DIAMOND
 MODEL DA 40
 S/N 40 367
 REG NO N500NA
 WORK ORDER 23759



KEYSTONE AVIATION Keystone Aviation LLC

Repair Station No. K5SR339N
 303 N 2370 W
 Salt Lake City, Utah 84116
 Phone 801 359-2085

DATE 6/27/2012
 A/C TSN 2254 9
 TACH 684 1

Airframe Entries

TROUBLESHOT STROBE LIGHTS TRIPPING CIRCUIT BREAKER TO THE R/H POWER SUPPLY.
 REMOVED POWER SUPPLY P/N 01-0770062-05 S/N 03517 AND REPLACED WITH NEW POWER SUPPLY P/N 01-0770062-05 S/N 11301 PER DA40 AMM 33-40-00. OPS CHECK SATISFACTORY.

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Keystone Aviation LLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No. 23759.

DATE: 6/27/2012

SIGNED:

Scott Goodfellow
 Scott Goodfellow
 Certified Repair Station No. K5SR339N

Work Order: 23759

Printed by EBis 3 (datcomedia.com)

'Flight-Deck Avionics, LLC'

369 N. 2370 W. Suite 102, Salt Lake City, UT 84116;
 3455 W. Mike Jense Pkwy, Suite 201, Provo, UT 84601;

CRS# F62R677Y
 CRS# F62D677Y

Form No. FD-007

Tail #: N500NA

Mfg: Diamond

Model: DA40

Serial: 40.367

This Is A Permanent Logbook Entry:

Removed (1) failed Mid-Continent 1394T100-12RZ Rate Gyro S/N 9809-122.

Installed (1) serviceable Mid-Continent 1394T100-12RZ Rate Gyro S/N J04-11604 and ground tested in accordance with Bendix/King KAP140 Autopilot Maintenance Manual. No defects noted.

Work accomplished in accordance with Diamond Aircraft DA40 Maintenance Manual.

The above identified aircraft has been maintained and inspected in accordance with current FARs and is approved for return to service. Details are on file at this station under work order no. 0636 .

Signed: **Jared Christensen**

Digitally signed by Jared Christensen
 DN: cn=Jared Christensen, o=Flight-Deck Avionics LLC, ou,
 email=jared@flightdeckavionics.com, c=US
 Date: 2012.06.27 11:04:27 -0800

Date: 06/27/2012

(FAA CRS# F62R677Y / F62D677Y)

MANUAL

AIR TIME AND

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

'Flight-Deck Avionics, LLC' 369 N. 2370 W. Suite 102, Salt Lake City, UT 84116: CRS# F62R677Y Form No. FD-009
 3455 W. Mike Jense Pkwy Suite 201, Provo, UT 84601: CRS# F62D677Y

Tail #: N500NA Mfg: Diamond Model: DA40 Serial: 40.367

This Is A Permanent Logbook Entry: Performed tests and inspections in accordance with FAR 43 : Appendix E to comply with FAR 91.411 Appendix F to comply with FAR 91.413

UNIT	MFG	MODEL	PART #	SERIAL #	TEST ALTITUDE
Altimeter 1	Garmin	GDU1040	011-00972-00	86502361	20,000
Altimeter 2	United		5934PD-3	438496	20,000
Encoder/ADC	Garmin	GDC74A	011-00882-00	47801314	20,000
Transponder 1	Garmin	GTX33	011-00779-00	84701145	20,000
Transponder 2					

The above identified aircraft has been maintained and inspected in accordance with current FARs and is approved for return to service. Details are on file at this station under work order no. 0636

Signed: Jared Christensen Date: 06/26/2012
Signature of Jared Christensen, FAA Licensed Aircraft Inspector, Salt Lake City, UT
 (FAA CRS# F62R677Y / F62D677Y) Recertification Due: 06/30/2014

MAKE DIAMOND
 MODEL DA 40
 S/N 40.367
 REG NO N500NA
 WORK ORDER 23890

KEYSTONE AVIATION **Keystone Aviation LLC**
 Repair Station No. K5SR339N
 303 N 2370 W
 Salt Lake City, Utah 84116
 Phone 801 359-2085

DATE: 7/27/2012
 A/C TSN: 2276 3
 TACH: 705 5

Airframe Entries
 RIGHT NAV LIGHT LAMP REMOVED AND REPLACED WITH NEW LAMP P/N NL-A508-14. OPERATIONAL CHECKED SATISFACTORY.*****PILOTS STORM WINDOW LATCH REMOVED AND REPLACED WITH NEW LATCH P/N 301.25.4110.*****MAIN TIRE PRESSURE SERVICE TO 36 PSI AND NOSE TIRE PRESSURE SERVICED TO 29 PSI.

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Keystone Aviation LLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No. 23890


DATE: 7/27/2012 SIGNED: [Signature] Work Order: 23890
sgoodfellow Printed by EBis 3 (datcomedia.com)
 Certified Repair Station No. K5SR339N

ENGINEERING RECORD

16

COMPLET ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS. SIGNATURE LICENCE NUMBER

MAKE DIAMOND
MODEL DA 40
S/N 40 367
REG NO N500NA
WORK ORDER 24042

 **KEYSTONE AVIATION** **Keystone Aviation LLC**
Repair Station No. K5SR339N
303 N 2370 W
Salt Lake City, Utah 84116
Phone 801 359-2085

DATE 11/20/2012
A/C TSN 2298 5
TACH 727 7

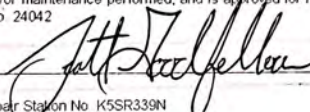
Airframe Entries

AIRCRAFT HAS BEEN INSPECTED FOR A 100 HOUR INSPECTION PER FAR 43 APPENDIX D USING DIAMOND DA40 INSPECTION CHECKLIST 05-20-00 AS REFERENCE AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE FOR THE WORK PERFORMED AT THIS DATE AND TIME. *****ELT OPERATIONAL CHECKED SATISFACTORY PER FAR 91.207d. BATTERY EXPIRATION DATE 03/01/17. *****AD SEARCH C/W USING ATP REVISION 11/08/12. SEE AD REPORT PRINTED 11/16/12. *****AIRCRAFT DUE LUBRICATION C/W PER DIAMOND DA40 AMM CHAPTER 12-20-00. *****AD 2009-10-04, TO DETECT AND CORRECT NLG FAILURES, C/W PER PARA (f) (1) AND DIAMOND MSB40-046/3. CHECKED SATISFACTORY. NEXT INSPECTION DUE AT TACH 927.7 OR 11/16/13. WHICHEVER OCCURS LATER. EFFECTIVE DATE 06/17/09. *****NOSE WHEEL TIRE REMOVED, P/N 505C61-8, S/N 90647281, TYPE: FLIGHT SPECIAL II, AND MODEL: 5.00X5X6 PLY AND REPLACED WITH A NEW TIRE P/N 30842, S/N B3044511, TYPE: AIRHAWK AND MODEL: 5.00X5X6 PLY. INFLATED TIRE TO 30 PSI. LEAK AND OPERATIONAL CHECK SATISFACTORY. *****LEFT AND RIGHT BRAKE LININGS REMOVED AND REPLACED WITH NEW LININGS P/N 066-14100

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Keystone Aviation LLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No. 24042

DATE: 11/20/2012

SIGNED:




Work Order: 24042

sgoodfellow
Certified Repair Station No. K5SR339N

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1 of 1

MAKE DIAMOND
MODEL DA 40
S/N 40 367
REG NO N500NA
WORK ORDER: 23973

 **KEYSTONE AVIATION** **Keystone Aviation LLC**
Repair Station No. K5SR339N
303 N 2370 W
Salt Lake City, Utah 84116
Phone 801 359-2085

DATE 11/20/2012
A/C TSN 2298 5
TACH 727.7

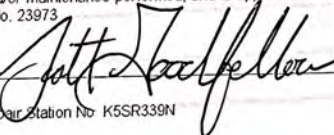
Airframe Entries

PROPELLER GOVERNOR P/N C210776 S/N 00141 REMOVED AND SENT TO PRECISION PROPELLER SERVICES INC CRS # FG6R534N WHERE UNDER THEIR W.O. 27762 DATED 11/14/12 IT WAS OVERHAULED. SEE 8130-3 DATED 11/14/12. REINSTALLED PROPELLER GOVERNOR P/N C210776 S/N 00141 PER DIAMOND DA-40 AMM CHAPTER 61-00-00. LEAK AND OPERATIONAL CHECKED SATISFACTORY. *****TANIS HEATING SYSTEM REMOVED AND RE INSTALLED AFTER ENGINE INSPECTION.

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Keystone Aviation LLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No. 23973

DATE: 11/20/2012

SIGNED:



Work Order: 23973

sgoodfellow
Certified Repair Station No. K5SR339N

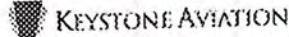
Printed by EBis 3 (datcomedia.com)

1 of 1

AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD <small>NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE</small>
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD					

MAKE DIAMOND
MODEL DA 40
S/N 40 367
REG NO N500NA
WORK ORDER 24612



Keystone Aviation LLC

Repair Station No K5SR339N
303 N 2370 W
Salt Lake City, Utah 84116
Phone 801 359-2085

DATE 1/9/2013
A/C TSN 2350
TACH 179 2

Airframe Entries

REMOVED WING TIP FOUND THAT TIE DOWN THREADS OK, BUT HOLE IN WING TIP NOT ALIGNED ENOUGH TO START TIE DOWN BOLT. RE-APPLIED THREAD LOCK AND WING TIP, ALIGNING HOLE PRIOR TO TIGHTENING, TIE DOWN STUD AND WING TIP RETAINING SCREWS. TIE DOWN TIGHTENED NORMALLY.*****RE-LAMPED RIGHT WING TIP TAIL LIGHT WITH NEW LAMP P/N A508-28. OPERATIONAL CHECK SATISFACTORY.

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Keystone Aviation LLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No 24612

DATE: 1/9/2013

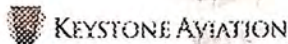
SIGNED:

Work Order: 24612

Jay
Certified Repair Station No K5SR339N

Printed by EBis 3 (datcomedia.com)

MAKE DIAMOND
MODEL DA 40
S/N 40 367
REG NO N500NA
WORK ORDER 24674



Keystone Aviation LLC

Repair Station No K5SR339N
303 N 2370 W
Salt Lake City, Utah 84116
Phone 801 359-2085

DATE 1/15/2013
A/C TSN 2351 6
TACH 780 8

Airframe Entries

VERIFIED CABIN HEAT CONTROLS OPERATE NORMALLY. FOUND THAT SCAT TUBE BETWEEN HEAT EXCHANGER AND HEATER INLET BOX MISS-ALIGNED.

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Keystone Aviation LLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No 24674

DATE: 1/15/2013

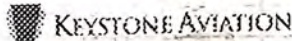
SIGNED:

Work Order: 24674

sgoodfellow
Certified Repair Station No K5SR339N

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MAKE DIAMOND
MODEL DA 40
S/N 40 367
REG NO N500NA
WORK ORDER 24786



Keystone Aviation LLC

Repair Station No K5SR339N
303 N 2370 W
Salt Lake City, Utah 84116
Phone 801 359-2085

DATE 2/5/2013
A/C TSN 2368 2
TACH 797 4

Airframe Entries

TROUBLESHOT THE DOOR INDICATOR ON WHEN DOORS ARE CLOSED. FOUND THE REAR PASSENGER DOOR LATCH STRIKE PIN NEEDED RE ADJUSTED AND SWITCH RE POSITIONED. BOTH THE PIN AND SWITCH RE POSITIONED ACCORDINGLY PER DA40 AMM 52-10. OPERATIONAL CHECK SATISFACTORY.

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Keystone Aviation LLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No 24786

DATE: 2/5/2013

SIGNED:

Work Order: 24786

crobertson
Certified Repair Station No K5SR339N

Printed by EBis 3 (datcomedia.com)

CARRIED FORWARD

ENGINEERING RECORD

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

SIGNATURE

LICENCE NUMBER

MAKE: DIAMOND
MODEL: DA 40
S/N: 40 367
REG. NO: N500NA
WORK ORDER: 24809



KEYSTONE AVIATION

Keystone Aviation LLC

Repair Station No: K5SR339N
303 N 2370 W
Salt Lake City, Utah 84116
Phone: 801 359-2085

DATE: 2/14/2013
A/C TSN: 2373 6
TACH: 802 8

Airframe Entries

R/H NAV POSITION LIGHT LAMP REMOVED AND REPLACED WITH NEW LAMP P/N RA-7512-24 PER DA 40 AMM CHAPTER 33-40. OPERATIONAL CHECK SATISFACTORY.*****SECURED AFT CANOPY LATCH LINKAGE AS REQUIRED PER DA 400 AMM CHAPTER 52-10.

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Keystone Aviation LLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No. 24809

DATE: 2/14/2013

SIGNED:

Work Order: 24809

JRay
Certified Repair Station No: K5SR339N

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MAKE: DIAMOND
MODEL: DA 40
S/N: 40 367
REG. NO: N500NA
WORK ORDER: 24910



KEYSTONE AVIATION

Keystone Aviation LLC

Repair Station No: K5SR339N
303 N 2370 W
Salt Lake City, Utah 84116
Phone: 801 359-2085

DATE: 3/5/2013
A/C TSN: 2397.2
TACH: 826.4

Airframe Entries

AIRCRAFT HAS BEEN INSPECTED FOR AN ANNUAL INSPECTION PER FAR 43 APPENDIX D AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE FOR THE WORK PERFORMED AT THIS DATE AND TIME.*****ELT OPERATIONAL CHECKED SATISFACTORY IAW FAR 91.207.D. BATTERY EXPIRATION DUE DATE 03/04/13.*****AD SEARCH C/W USING ATP REVISION 03/01/13. SEE AD REPORT PRINTED 03/04/13.*****AIRCRAFT LUBRICATION C/W PER DIAMOND DA40 AMM CHAPTER 12-20-00.*****EMERGENCY BATTERY 2 YR REPLACEMENT C/W BY REMOVING BATTERY PACK P/N D41-2560-93-00 AND INSTALLING A NEW BATTERY PACK P/N D41-2560-93-00 EXP. DATE MARCH 2015 PER DA40 AMM CHAPTER 24-35-00.*****SECURED TANIS HEATER PLUG*****INDUCTION AIR FILTER REMOVED, CLEANED AND AIR DRIED. APPLIED OIL, AND INSTALLED.*****NOSE TRIM UP WOULD NOT WORK WHEN USING THE TRIM SWITCH ON THE PILOTS YOLK. NOSE TRIM DOWN WOULD WORK TROUBLESHOT. ADJUSTED FRICTION BLOCK AT TRIM TAB PER DA40 AMM SECTION 27-38. REPAIRED WIRE AT TRIM SWITCH. OPERATIONAL CHECK SATISFACTORY.*****PILOTS RUDDER PEDAL ADJUSTMENT CABLE REMOVED P/N 20-2700-21-00. AND INSTALLED NEW CABLE P/N 20-2700-21-00. OPERATIONAL CHECK SATISFACTORY. REF: DIAMOND A/C DA-40 M.M. CHAP 27-20.*****PANEL UNDER NLG INSTALLED NEW FASTENERS.*****LEFT AND RIGHT BRAKE LININGS REMOVED AND REPLACED WITH NEW ;LININGS P/N 066-14100 PER CLEVELAND WHEEL AND BRAKES MM AWBCMM0001-7/USA.

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Keystone Aviation LLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No. 24910

DATE: 3/5/2013

SIGNED:

Work Order: 24910

JRay
Certified Repair Station No: K5SR339N

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AIR TIME AND

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

MAKE DIAMOND
MODEL DA 40
S/N 40 367
REG NO N500NA
WORK ORDER 25008



KEYSTONE AVIATION

Keystone Aviation LLC

Repair Station No. K5SR339N
303 N 2370 W
Salt Lake City, Utah 84116
Phone 801 359-2085

DATE: 3/21/2013
A/C TSN 2458 1
TACH 887 3

Airframe Entries

AUTOPILOT PLACARDED INOP AND CIRCUIT BREAKER DE ACTIVATED PER FAR 91.213 (2).

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Keystone Aviation LLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No. 25008.

DATE: 3/21/2013

SIGNED:

crobertson
Certified Repair Station No. K5SR339N

Work Order: 25008

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MAKE DIAMOND
MODEL DA 40
S/N 40 367
REG NO N500NA
WORK ORDER 25021



KEYSTONE AVIATION

Keystone Aviation LLC

Repair Station No. K5SR339N
303 N 2370 W
Salt Lake City, Utah 84116
Phone 801 359-2085

DATE: 3/27/2013
A/C TSN 2470 7
TACH 899 9

Airframe Entries

TROUBLESHOT LEFT STROBE, FOUND FLASH TUBE INOP. FLASH TUBE REMOVED AND REPLACED WITH NW FLASH TUBE P/N 02-0250276-00. OPERATIONAL CHECKED SATISFACTORY .REF: DIAMOND AIRCRAFT DA-40 M.M. CHAP 33-40-00-PAGE 3.

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Keystone Aviation LLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No. 25021.

DATE: 3/27/2013

SIGNED:

sgoodfellow
Certified Repair Station No. K5SR339N

Work Order: 25021

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MAKE DIAMOND
MODEL DA 40
S/N 40 367
REG NO N500NA
WORK ORDER: 25060



KEYSTONE AVIATION

Keystone Aviation LLC

Repair Station No. K5SR339N
303 N 2370 W
Salt Lake City, Utah 84116
Phone. 801 359-2085

DATE: 4/5/2013
A/C TSN 2495 7
TACH 924 9

Airframe Entries

AIRCRAFT HAS BEEN INSPECTED FOR AN ANNUAL INSPECTION PER FAR 43 APPENDIX D AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE FOR THE WORK PERFORMED AT THIS DATE AND TIME. *****ELT OPERATIONAL CHECKED SATISFACTORY IAW FAR 91.207.D. BATTERY EXPIRATION DUE DATE 03/2017. *****AD SEARCH C/W USING ATP REVISION 03/22/13. SEE AD REPORT PRINTED 04/04/13. *****AIRCRAFT LUBRICATION C/W PER DIAMOND DA 40 AMM CHAPTER 12-21-00. *****AD 2009-10-04, TO DETECT AND CORRECT NLG FAILURES, C/W PER PARA (f) (1) AND DIAMOND MSB40-046/3. CHECKED SATISFACTORY. NEXT INSPECTION DUE AT TACH 1124.9. OR 04/04/14 WHICHEVER OCCURS LATER. EFFECTIVE DATE 06/17/09. *****L/H MLG WHEEL ASSEMBLY REMOVED. REMOVED TIRE AIRHAWK P/N 600X6X6-AH S/N B3E43811. INSTALLED NEW TIRE AIR HAWK P/N 600X6X6-AH S/N B3E43212. TORQUED WHEEL HALF BOLTS TO 160 IN. LBS. SERVICED TIRE TO 36 PSI. INSTALLED WHEEL ASSEMBLY. TORQUED BRAKE TIE BOLTS TO 90 IN. LBS. OPERATIONAL AND LEAK CHECK SATISFACTORY. REF: DIAMOND DA-40 M.M. CHAP 32-40-00. *****NLG STEERING SPINDLE TIGHTENED PER DIAMOND DA 40 MM CH: 32-20-00. *****L/H WING TO FUSELAGE RUBBER TRIM RESECURED WITH ADHESIVE.

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Keystone Aviation LLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No. 25060.

DATE: 4/5/2013

SIGNED:

jgray
Certified Repair Station No. K5SR339N

Work Order: 25060

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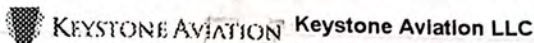
ENGINEERING RECORD

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

SIGNATURE

LICENCE
NUMBER

MAKE DIAMOND
 MODEL DA 40
 S/N 40 367
 REG NO N500NA
 WORK ORDER 25159



Keystone Avlation LLC
 Repair Station No. K5SR339N
 303 N 2370 W
 Salt Lake City, Utah 84116
 Phone: 801 359-2085

DATE 4/19/2013
 A/C TSN 2529 2
 TACH 957 4

Airframe Entries

(1) FUEL PUMP P/N 5100-00-9 S/N 6446 REMOVED. INSTALLED OVERHAULUED FUEL PUMP P/N 5100-00-9 S/N 5289B IAW DIAMOND DA-40 M.M. CHAP 28-20-00. FUEL PUMP OVERHAULUED BY QUALITY AIRCRAFT ACCESSORIES INC. CRS # QY1R334Y UNDER THEIR W.O. # WO1770006532.004 DATED JAN 17,2013. SEE 8130-3 DATED 01/17/13. OPERATIONAL AND LEAK CHECK SATISFACTORY.

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Keystone Avation LLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No. 25159

DATE: 4/19/2013

SIGNED:

Work Order: 25159

Scott L. Goodfellow
 Certified Repair Station No. K5SR339N

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1 of 1

'Flight-Deck Avionics, LLC' 369 N. 2370 W. Suite 102, Salt Lake City, UT 84116: CRS# F62R677Y Form No. FD-007		3455 W. Mike Jense Pkwy, Suite 201, Provo, UT 84601: CRS# F62D677Y	
Tail #: N500NA	Mfg: Diamond	Model: DA 40	Serial: 40.367
This Is A Permanent Logbook Entry: Removed tum coordinator p/n 1394T100-12RZ s/n J04-11604. Installed tum coordinator p/n 1394T100-12RB s/n G12-10252. Removed ty wrap from auto pilot circuit breaker and removed inop placard from the instrument panel. Ground tested IAW manufactures specs. No defects noted.			
The above identified aircraft has been maintained and inspected in accordance with current FARs and is approved for return to service. Details are on file at this station under work order no. 6180 .			
Signed: Matthew Drake		Date: 05/09/2013	
(FAA CRS# F62R677Y / F62D677Y)			

AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD <small>NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE</small>
	HRS.	MIN.	HRS.	MIN.	

BROUGHT FORWARD

MAKE: DIAMOND
MODEL: DA 40
S/N: 40 367
REG: NO N500NA
WORK ORDER: 25237



Keystone Aviation LLC

Repair Station No. K5SR339N
303 N 2370 W
Salt Lake City, Utah 84116
Phone: 801-933-7500

DATE: 5/10/2013
AVC TSN: 2595 4
TACH: 1024 6

Airframe Entries

- (1) AIRCRAFT HAS BEEN INSPECTED FOR AN ANNUAL INSPECTION PER FAR 43 APPENDIX D AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE FOR THE WORK PERFORMED AT THIS DATE AND TIME.
- (2) ELT OPERATIONAL CHECKED SATISFACTORY IAW FAR 91.207.D. BATTERY EXPIRATION DUE DATE 03/2017.
- (7) AD SEARCH C/W USING ATP REVISION 05/02/13. SEE AD REPORT PRINTED 05/10/13.
- (8) AIRCRAFT LUBRICATION C/W PER DIAMOND DA 40 AMM CHAPTER 12-21-00.
- (14) CENTER AND FORWARD ELECTRICAL POST ON EXTERNAL POWER RECEPTACLE TIGHTENED.
- (20) INDUCTION AIR FILTER REMOVED AND REPLACED WITH AN AS REMOVED FILTER P/N: FR-08504.
- (21) ENGINE COWLINGS DEGREASED AND CLEANED.
- (22) LOWER ENGINE COWLING RIGHT HEAT SHIELD ONE RIVET INSTALLED.
- (24) RIGHT STABILIZER TIP REPAIRED AT TRAILING EDGE PER DA40 AMM CHAPTER 51-20.
- (26) SCAT TUBE BELOW PILOTS SEAT RECONNECTED TO DUCT ON SIDE WALL.
- (27) NLG WHEEL FORK TENSION ADJUSTED IAW DA40-180 MM CH: 32-20-00.
- (28) SCAT TUBE TO HEATER BOX REPAIRED AND RE INSTALLED.

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Keystone Aviation LLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No. 25237.

DATE: 5/10/2013

SIGNED:

Jimmy P. Ray
Certified Repair Station No. K5SR339N

Work Order: 25237

Printed by EBis 3 (datcomedia.com)

1 of 1

MAKE: DIAMOND
MODEL: DA 40
S/N: 40 367
REG: NO N500NA
WORK ORDER: 25255



Keystone Aviation LLC

Repair Station No. K5SR339N
303 N 2370 W
Salt Lake City, Utah 84116
Phone: 801-933-7500

DATE: 5/16/2013
AVC TSN: 2617 3
TACH: 1046 5

Airframe Entries

- (1) INSTALLED NEW RUDDER PEDAL ADJUSTMENT CABLE P/N 20-2700-21-00. ALL WORK PERFORMED IAW DA-40 AMM 27-20-00. OPERATIONAL CHECK OF ADJUSTMENT CABLE SATISFACTORY.

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Keystone Aviation LLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No. 25255.

DATE: 5/16/2013

SIGNED:

Scott L. Goodfellow
Certified Repair Station No. K5SR339N

Work Order: 25255

Printed by EBis 3 (datcomedia.com)

1 of 1

CARRIED FORWARD

ENGINEERING RECORD

19

INSPECTION, REPAIRS & REPLACEMENT

SIGNATURE

LICENCE
NUMBER

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

'Flight-Deck Avionics, LLC'

369 N. 2370 W. Suite 102, Salt Lake City, UT 84116:
3455 W. Mike Jense Pkwy, Suite 201, Provo, UT 84601:

CRS# F62R677Y
CRS# F62D677Y

Form No. FD-007

Tail #: N500NA

Mfg: Diamond Aircraft

Model: DA 40

Serial: 40.367

This Is A Permanent Logbook Entry:

Removed (1) failed Garmin GMU44 Magnetometer P/N 011-00870-00, S/N 47500400. Installed (1) serviceable Garmin GMU44 Magnetometer P/N 011-00870-00, S/N 47516163 and performed calibration / ground tests in accordance with Garmin G1000 Line Maintenance Manual No. 190-00545-01, Rev. F, dated Nov. 2010. No defects noted.

The above identified aircraft has been maintained and inspected in accordance with current FARs and is approved for return to service. Details are on file at this station under work order no. 0739 .

Signed: **Jared Christensen**

Digitally signed by Jared Christensen
DN: cn=Jared Christensen, o=Flight-Deck Avionics LLC, ou,
email=jchristensen@flightdeckavionics.com, c=US
Date: 2013.06.11 13:27:26 -0700

Date: **06/11/2013**

(FAA CRS# F62R677Y / F62D677Y)

MAKE: DIAMOND
MODEL: DA 40
S/N 40 367
REG. NO: N500NA
WORK ORDER: P1066



Repair Station No. K5SR339N
303 N 2370 W
Salt Lake City, Utah 84116
Phone: 801-933-7500

DATE 9/11/2013
A/C TSN 2695 5
HOBBS 3403 1

Airframe Entries

- (1) AIRCRAFT HAS BEEN INSPECTED FOR AN ANNUAL INSPECTION PER FAR 43 APPENDIX D AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE FOR THE WORK PERFORMED AT THIS DATE AND TIME.
- (2) ELT OPERATIONAL CHECKED SATISFACTORY IAW FAR 91.207.D. BATTERY EXPIRATION DUE DATE 03/2017.
- (7) AD SEARCH C/W USING ATP REVISION 09/09/13 SEE AD REPORT PRINTED 09/12/13.
- (8) AIRCRAFT LUBRICATION C/W PER DIAMOND DA 40 AMM CHAPTER 12-21-00.
- (10) AD 2009-10-04, TO DETECT AND CORRECT NLG FAILURES, C/W PER PARA (f) (1) AND DIAMOND MSB40-046/3. CHECKED SATISFACTORY. NEXT INSPECTION DUE AT TACH 1324.7 OR 09/11/14 WHICHEVER OCCURS LATER. EFFECTIVE DATE 06/17/09.
- (11) R/H MLG WHEEL AND TIRE ASSY REMOVED. TIRE P/N: 600X6X6-AH, S/N: B3E43212, MAKE: AIR HAWK AND MODEL: 6.00-6X6PLY REMOVED. INSTALLED NEW TIRE P/N: 600X6X6-AH, S/N: B3E43212, MAKE: AIR HAWK AND MODEL: 6.00-6X6PLY. INSTALLED NEW TUBE P/N 600X6 TUBE. REINSTALLED WHEEL AND TIRE ASSY. TORQUED WHEEL HALF BOLTS TO 150 IN. LBS. SERVICED TIRE TO 36 PSI. INSTALLED WHEEL ASSY AND TORQUED BRAKE TIE BOLTS TO 90 IN. LBS. ALL MAINTENANCE PERFORMED PER DA40 AMM CHAPTER 32-40-00.
- (12) L/H MLG WHEEL AND TIRE ASSY REMOVED. TIRE P/N: 600X6X6-AH, S/N: B3E43212, MAKE: AIR HAWK AND MODEL: 6.00-6X6PLY REMOVED. INSTALLED NEW TIRE P/N: 600X6X6-AH, S/N: B3E43212, MAKE: AIR HAWK AND MODEL: 6.00-6X6PLY. INSTALLED NEW TUBE P/N 600X6 TUBE. REINSTALLED WHEEL AND TIRE ASSY. TORQUED WHEEL HALF BOLTS TO 150 IN. LBS. SERVICED TIRE TO 36 PSI. INSTALLED WHEEL ASSY AND TORQUED BRAKE TIE BOLTS TO 90 IN. LBS. ALL MAINTENANCE PERFORMED PER DA40 AMM CHAPTER 32-40-00.
- (13) R/H MLG BRAKE LININGS REMOVED AND REPLACED P/N: RA-066-1400. WORK DONE IAW DIAMOND DA-40 MM CH: 32-40-00.
- (14) R/H MLG BRAKE DISC REMOVED AND REPLACED P/N: RA-164-24400. LININGS REMOVED AND REPLACED P/N: RA-066-1400. WORK DONE IAW DIAMOND DA-40 MM CH: 32-40-00.
- (16) INSTALLED 2 EACH BAFFLE RETAINING CLIPS P/N 041-7166-10-80.
- (17) BAFFLE SCREW INSTALLED P/N: STD-1925 ON CYLINDER #5.
- (18) SECURED OIL COOLER SUPPORT BRACKET IAW DIAMOND AMM SECTION 79-10

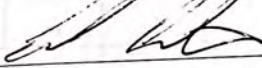
AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	

BROUGHT

- (19) ALTERNATE AIR CONTROL LEVER AND CABLE REPAIRED BY INSTALLING ORIGINAL CABLE INSTALLED NEW RETAINING NUT P/N # DAI-9071-03-01 AND ADJUSTED STOPS IAW AMM 71-60-00
- (20) EXHAUST TO CABIN SCAT TUBE REMOVED AND REPLACED WITH NEW SCAT TUBE P/N SCAT12 IAW DIAMOND DA40 MM 78-20-00.
- (21) SECURED FUEL LINE TO TRANSDUCER. REQUIRES LEAK CHECK.
- (22) ALTERNATE AIR CABLE REPOSITIONED TO STOP FROM CHAFFING ON INDUCTION TUBE ON CYLINDER #2.
- (23) RESECURED ALTERNATOR GROUND WIRE.
- (26) REAR PASSENGER DOOR GAS STRUT BRACKET HARDWARE TIGHTENED.
- (27) PILOTS RUDDER ADJUST CABLE REMOVED AND REPLACED WITH NEW CABLE P/N 20-2700-21-00 IAW DIAMOND DA-40 AMM CHAP 27-20-00, OPERATIONAL CHECKED SATISFACTORY.
- (28) PILOT SIDE ENTRY STEP HARDWARE TIGHTENED.
- (29) EXHAUST MUFFLER REMOVED AND REPLACED WITH NEW EXHAUST MUFFLER P/N DA40-7 IAW DIAMOND DA40 MM 78-00-00.

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Keystone Aviation LLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No. P1066

DATE: 9/11/2013 SIGNED:  Work Order: P1066
 Colin M. Robertson
 Certified Repair Station No. K5SR339N Printed by EBis 3 (datcomedia.com)

MAKE DIAMOND
 MODEL DA 40
 S/N 40 367
 REG NO N500NA
 WORK ORDER: P1304



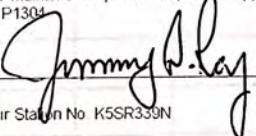
Repair Station No. K5SR339N
 303 N 2370 W
 Salt Lake City, Utah 84116
 Phone: 801-933-7500

DATE: 9/24/2013
 A/C TSN 2705 4
 TACH 1134 6

Airframe Entries

- (1) ELEVATOR TRIM HARD TO MOVE TROUBLESHOT. ADJUSTED FRICTION DAMPENER PER DIAMOND AMM 27-38-00. EA
- (2) MAIN SHIP BATTERY REMOVED, SERVICED, AND CHARGED. REINSTALLED BATTERY.

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Keystone Aviation LLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No. P1304

DATE: 9/24/2013 SIGNED:  Work Order: P1304
 Jimmy P. Ray
 Certified Repair Station No. K5SR339N Printed by EBis 3 (datcomedia.com)

MAKE DIAMOND
 MODEL DA 40
 S/N 40 367
 REG NO N500NA
 WORK ORDER: P1318



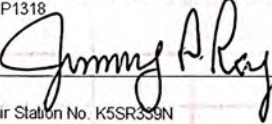
Repair Station No. K5SR339N
 303 N 2370 W
 Salt Lake City, Utah 84116
 Phone: 801-933-7500

DATE: 10/1/2013
 A/C TSN. 2711.9
 TACH: 1144.1

Airframe Entries

- (1) MAIN BATTERY REMOVED AND REPLACED WITH NEW GILL BATTERY P/N G-243 S/N G02747140 AND SERVICED PER GILL SERVICE MANUAL. OPERATIONAL CHECKED SATISFACTORY.

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Keystone Aviation LLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No. P1318

DATE: 10/1/2013 SIGNED:  Work Order: P1318
 Jimmy P. Ray
 Certified Repair Station No. K5SR339N Printed by EBis 3 (datcomedia.com)

ENGINEERING RECORD

20

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

SIGNATURE

LICENCE NUMBER

MAKE DIAMOND
 MODEL DA 40
 S/N 40 367
 REG NO N500NA
 WORK ORDER P1420



Repair Station No. K5SR339N
 303 N 2370 W
 Salt Lake City, Utah 84116
 Phone 801-933-7500

DATE: 11/19/2013
 A/C TSN 2742 6
 TACH 1177 8

Airframe Entries

(1) RIGHT FLASH TUBE REMOVED AND REPLACED WITH NEW FLASH TUBE P/N 02-0250276-00. OPERATIONAL CHECKED SATISFACTORY .REF: DIAMOND AIRCRAFT DA-40 M.M. CHAP 33-40-00-PAGE 3.

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Keystone Aviation LLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No. P1420

DATE: 11/19/2013

SIGNED:

Scott L. Goodfellow
 Certified Repair Station No. K5SR339N

Work Order: P1420

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MAKE DIAMOND
 MODEL DA 40
 S/N 40 367
 REG NO N500NA
 WORK ORDER P1446



Repair Station No. K5SR339N
 303 N 2370 W
 Salt Lake City, Utah 84116
 Phone 801-933-7500

DATE: 12/4/2013
 A/C TSN 2760 9
 TACH 1190 1

Airframe Entries

(1) WINTERIZATION ENGINE COWLING PLATE INSTALLED. WORK DONE IAW DA-40 MM CH: 71-10.

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Keystone Aviation LLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No. P1446

DATE: 12/4/2013

SIGNED:

Colin M. Robertson
 Certified Repair Station No. K5SR339N

Work Order: P1446

Printed by EBis 3 (datcomedia.com)

AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD <small>NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE</small>
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD					

MAKE DIAMOND
MODEL DA 40
S/N 40 367
REG NO N500NA
WORK ORDER P1496



Repair Station No. K5SR339N
303 N 2370 W
Salt Lake City, Utah 84116
Phone: 801-933-7500

DATE 2/3/2014
A/C TSN 2794 7
TACH. 1223 9

Airframe Entries

- (1) AIRCRAFT HAS BEEN INSPECTED FOR AN ANNUAL INSPECTION PER FAR 43 APPENDIX D AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE FOR THE WORK PERFORMED AT THIS DATE AND TIME.
- (2) ELT OPERATIONAL CHECKED SATISFACTORY CHECKED PER FAR 91.207D. BATTERY EXPIRATION DATE 03/01/17.
- (7) AD SEARCH C/W USING AIP REVISION 01/29/14. SEE AD REPORT PRINTED 02/03/14.
- (8) AIRCRAFT LUBRICATION C/W PER DA40 AMM CHAPTER 12-20-00.
- (10) AD 2013-24-14 FOR REINFORCEMENT OF AFT MAIN SPAR C/W PER MSB 40-074, D4-094 AND F4-028. CURING DONE IAW DA-40 AMM 51-20-00. EFFECTIVE DATE 01/07/14.
- (12) 2 EACH BATTERY LEAD DUST BOOTS P/N MS25171-4S INSTALLED.
- (13) TANIS HEATER PLUG RESECURED.
- (14) TANIS HEATER PLUG SUPPORT REPOSITIONED TO PREVENT CHAFING INTO ENGINE MOUNT.
- (19) INSTALLED BOLT AND LOCK NUT ON HEATER MUFFLER SHROUD.
- (20) NOSE WHEEL CASTER FRICTION ADJUSTED PER DIAMOND AMM 32-20-00 P.209(4) AND 05-28-50 P.4(33). OPS CHECK SATISFACTORY
- (21) PILOTS SIDE RUDDER PEDAL ADJUSTMENT CABLE REMOVED AND REPLACED WITH NEW CABLE P/N 20-2700-21-00.
- (22) PILOTS SIDE REAR FLAP TORQUE TUBE BOOT REMOVED AND REPLACED WITH NEW BOOT P/N V6-714.
- (23) LEFT FLAP ACTUATOR ROD BONDING STRAP REMOVED AND REPLACED WITH NEW BONDING STRAP. P/N BWI-A14-RB8-RB6.
- (24) TOP ENGINE COWL INSTALLED NEW CAMLOCK P/N 40S5-9S, AND NEW COLLAR P/N 4002N3. TO LEFT AFT POSITION

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Keystone Aviation LLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No. P1496

DATE: 2/3/2014

SIGNED:

Jimmy P. Ray

Jimmy P. Ray
Certified Repair Station No. K5SR339N

Work Order: P1496

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MAKE DIAMOND
MODEL DA 40
S/N 40 367
REG NO N500NA
WORK ORDER P1542



Repair Station No. K5SR339N
303 N 2370 W
Salt Lake City, Utah 84116
Phone: 801-933-7500

DATE: 2/26/2014
A/C TSN 2814
TACH. 1243.2

Airframe Entries

- (1) PEDAL ADJUST SPRING P/N 20-2700-20-02 REMOVED. INSTALLED NEW PEDAL ADJUST SPRING P/N 20-2700-20-02. OPS CHECK SATISFACTORY.

2855.7
41.7

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Keystone Aviation LLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No. P1542

DATE: 2/26/2014

SIGNED:

Jimmy P. Ray

Jimmy P. Ray
Certified Repair Station No. K5SR339N

Work Order: P1542

Printed by EBis 3 (datcomedia.com)

11-7



Flying Wrench

expert aircraft maintenance, repair & overhaul

Diamond

DA 40

S/N: 40.367

Date: 5-3-14

Total: 2843.3

Performed a prebuy inspection of this aircraft. Used the Diamond DA40 annual inspection checklist as a guide. Checked the ELT IAW FAR 91.207 (d), battery exp. 3-1-17. Checked the AD's for compliance. (see separate list). Performed a compression check of the engine with all cylinders at 78/80. Removed the spark plugs cleaned gapped and tested. Removed all of the inspection panels and checked for condition and security of componets. This aircraft is returned to service with respect to the work performed on this logbook entry.

Gary E. Madsen A-P 2743384
(435) 671-9126

180 North 2400 West suite 106 Salt Lake City Utah 84116

LICENCE
NUMBER

TT S/N 2982.5

Hobbs 3725.00

N 500NA

Tach 1370.00

Work Order 26850

FAR 91.411 has been accomplished I.A.W. Part 43 Appendix E, Paragraph A,B,C. The altimeter has been tested to 20,000 feet.

Altimeter #1 Garmin GDC-74A S/N 47801314

Altimeter #2 United Instr. P/N 5934PD-3 S/N 438496

Encoder: Garmin ADC

FAR 91.413 has been accomplished I.A.W. Part 43 Appendix F.

Transponder: Garmin GTX-33 S/N 84701145

Cond. M. Woudlowick 06-25-14
the radio shop, inc. airport worcester, ma 01602
FAA Repair Station TD5R219N

AIR TIME AND

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

N500NA 5/15/2014

Diamond DA40-180 TACH: ~~3600.1~~ 1320.4

S/N: 40.367

Performed 100 hour aircraft inspection per FAR 43, App. D using the Diamond Aircraft Mfg checklist as a guide. Cleaned and inspected wheel bearings, installed new grease and reinstalled in wheel halves. Performed ELT test IAW 91.207(d), tested satisfactory. Next Battery due: 3/2017. Lubricated all control surfaces. Removed rudder and inspected per Diamond checklist. Reinstalled rudder and verified travel, satisfactory at this time. Replaced induction air filter with new p/n: FR-08504. Updated biweekly AD's through 2014-13. Complied with AD 2009-10-04, found satisfactory. Installed new alternator belt p/n: 37A19773-376. All work done IAW with Diamond DA40 AMM. I certify this aircraft has been inspected and found in an airworthy condition.

[Signature] AP# 3343114

N500NA 8/1/2014

Diamond DA40-180 TACH: 1417.6

S/N: 40.367

Performed 100 aircraft inspection per FAR 43, App. D using the Diamond AMM checklist as a guide. Cleaned and inspected all wheel bearings, repacked bearing with new grease and installed. Performed ELT test IAW 91.207(d), tested satisfactory. Next battery due 3/2017. Lubricated all control surfaces. Removed rudder and inspected per Diamond checklist. Reinstalled rudder and verified travel, satisfactory at this time. Replaced induction air filter with p/n ~~FR-08504~~ 37A19773-376. Removed and replaced binding elevator trim cable with p/n: DAI-9027-38-01. Verified proper rigging and secured cable. Trim operation satisfactory at this time. Removed pilots side brake cylinder and replaced O-rings with p/n: MS28775-111 & MS28775-112. Bench bleed cylinder and installed. Bleed brake system and found satisfactory at this time. Removed and replaced left main brake linings with p/n: 066-10600. Complied with AD 2009-10-04 and found satisfactory at this time. Updated bi-weekly AD's through 2014-15. All work done IAW Diamond AMM. I certify this aircraft has been inspected and found in an airworthy condition at this time.

[Signature] AP# 3343114

Make: Diamond DA 40

Date: 09/22/2014

Model: DA40-180

TACH: 1515

S/N 40.367

Airframe Entries

Performed 100Hr inspection IAW FAR 43 Appendix D using the Diamond AMM checklist as a guide. Cleaned and inspected all wheel bearings, repacked bearing with new grease and installed. Replaced LH main tire and tube p/n 600x6 with new, inflated tire to 36PSI and installed. Replaced Nose wheel tire and tube p/n 500x5 with new, inflated tire to 30 PSI and installed. Performed ELT test IAW 91.207(d) tested satisfactory, next battery due 3/2017. Removed all inspection panels inspected, and lubricated all flight control surfaces. Removed the Rudder and inspected it IAW Diamond AMM checklist. Reinstalled Rudder, and verified travel satisfactory. Completed cable tension test and found satisfactory. Removed and replaced pilot side rudder pedal cable with a new one p/n 20-2700-21-00. Replaced the rudder pedal spring p/n 20-2700-20-02. C/W AD 2014-13-08 IAW Diamond AMM Rev.7 CH 05-28-00. Found satisfactory at this time. Verified compliance of AD's through bi weekly 2014-17 all work done in IAW diamond AMM Rev.7 CH 05-28-00.

[Signature] AP# 3747227

ENGINEERING RECORD

INSPECTION, REPAIRS & REPLACEMENT

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

SIGNATURE

LICENCE
NUMBER

N500NA
Diamond Aircraft DA-40
TACH: 1515.0

Date: 09/17/2014

S/N: 40.367

Performed 100 HR inspection IAW with FAR 43 App. D, using Diamond DA40 checklist as a guideline. I certify this airframe has been inspected and is deemed to be in an airworthy condition at this time.

[Handwritten Signature]
AD # 334314

Twin City Airmotive (KFIT) Fitchburg, MA 01420 tel. 978-342-8700 Twincity98@verizon.net

Date: 7/31/15	Hobbs: 4052.5	Tach: 1612.6	N 500NA	Airframe Annual
AFTT: 3225.1				Serial #: 40.367

Performed the following annual inspection utilizing the manufacturer's annual inspection guide:

1. C/W FAR 91.207 (d) ELT Inspection. Removed and replaced ELT with overhauled unit by ACK Technologies Model E-01 s/n 029012. See w/o TC6556. Installed new "D" cell batteries and function checked. Next inspection due at Annual 2016/100hrs. Battery expire Dec 2024. Removed remote switch housing. Removed and replaced battery with new P/N 28L. Remote battery expires March 2024.
2. C/W AD 2009-10-04 Nose Landing Gear (fi) of AD 2009-10-04 using DAI MSB 40-046773 as inspection criteria. Next inspection due at Annual 2016/200hrs whichever is later.
3. C/W 1000hr Inspection of ESS Buss. Checked master relay and ess buss bar. No discrepancies noted at this time.
4. C/W AD 2005-1-9 Garmin GTX-33 Software Version. Inspected and found 6.0 above ao software.
5. Jacked aircraft and removed all wheels. Cleaned and inspected wheel bearings. Inspected brake linings, wheel cylinders. Washed gear and greed.
6. Removed battery from aircraft and serviced. Checked specific gravity. Flushed and cleaned battery box. Reinstalled in aircraft.
7. Inspected all cable tensions in accordance with Diamond Maintenance Manuals. All found within spec.
8. Lubricated mixture cables.
9. Trimmed edge of non-skid on L/H and R/H wing area. Removed glue as best as possible.
10. Cleaned landing light lens.
11. Repaired channel support that was broken on R/H front of rear seat. Repaired with epoxy running along seat fiber board on both sides and along top of shoe support on L/H side.
12. Reglued boot for flap rod L/H side fuselage using new adhesive P/N 1300L.
13. Tywrapped brake hoses to L/H and R/H gear legs.
14. Removed and replaced L/H and R/H main tires with (2) new Condor 6.00x6 6ply tires P/N 072-314-0.
15. Removed and replaced both L/H and R/H brake discs with new P/N 164-24400.
16. Installed retaining ring on R/H top cowl fastener.
17. Removed wasp nest in naca inlet in L/H wing.
18. Removed bolts in front L/H corner. Removed and replaced bond wire with new. Reinstalled bolts and nuts.

Continue

CONT

AIR TIME AND

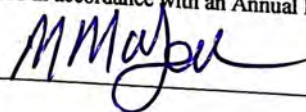
DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	

19. Reconnected air ducts that were not attached during interior installation.
20. Installed screws missing in lower panel by nose gear during panel installation.
21. Rotated grommet of fuel line under copilot seat so that closest area of fuel hose to airframe has a good section of grommet along edge.
22. Removed and replaced existing screw with longer screw holding aft edge of lower fin
23. Removed and replaced bad basket on R/H front lower cowl.
24. Reattached strap to static wick on R/H elevator tip.
25. Cleaned elevator rollers aft of Garmin unit.
26. Removed and replaced bond wire on elevator bellcrank for elevator tube running to front. found bond wire for vertical tube and replaced wire.
27. Replaced polarity pin no ground power plug with new. Checked other pins for looseness. Found ground pin loose and tightened.
28. Adjusted nose gear castor to 11lbs.
29. Removed and replaced R/H main and L/H OB bearings and races with new P/N 13889 and P/N 13836.
30. Removed and replaced L/H brake cylinder oring with new P/N MS28775-224.
31. Removed and replaced (4) brake linings with new P/N 66-14100. Installed with (12) new rivets P/N 105-00200.
32. Installed new owner supplied firebottle P/N A344 s/n B-0275223. Weight 2lbs 7.3oz.
33. Replaced brake fluid with fresh fluid P/N MIL-H-5606.
34. Removed and replaced transponder antenna with new customer supplied antenna P/N CI-105 s/n 71899.
35. Removed and replaced emergency battery with new P/N D41-2560-93-00. Next replacement due 07/2017.
36. Removed and replaced emergency exit placard by rear door lock.
37. Troubleshoot flap system lights and found problem in instrument light dimmer rheostat. Removed and replaced instrument rheostat with new P/N KKS305021R24 and transferred wires. Performed ops check - good at this time.
38. Resafetied emergency switch copper wire.
39. Removed and replaced elastimeric strut nose pads with new.
40. Sanded hole worn through lower cowl in area of battery box. Installed fiberglass patch on inside and outside of hole.
41. Washed and vacuumed aircraft.
42. C/W Airworthiness Directive research to 2015/14 biweekly issuance.

This aircraft was inspected and/or repaired in accordance with the manufacturer's maintenance manuals. All systems interrupted have been tested and/or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Pertinent details are on file at this agency under work order no. 7184 and a copy has been provided to the owner/operator.

I certify that this Airframe has been inspected in accordance with an Annual Inspection and WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

Mark Maljanian A&P 33545223 IA



Alan R Brown
 Aircraft maintenance and inspections
 302 Boxboro Rd. Stow, MA 01775

N500NA S/N 40.367 M/M: Diamond DA-40
 Tach Time: 1625.9 Acft. TT: 4072.1 Date: 04/11/2016

Installed Diamond Aircraft weight increase kit bushing P/N ESB-30 in accordance with WI-OSB-40-057 limiting elevator up travel to 17.5 degrees. Replaced POH with new Pilots operating handbook reflecting new parameters for 1200 KG. Replaced airbox O rings 85mm X 2mm. Rerouted mixture cable to reduce friction. Installed new gustlock support clip P/N 22-3922-10-00. Replaced alternator brushes. Replaced elevator trim bevel, Drive gear and rubber friction washer P/N DA4-2738-13-00. Replaced fuel tank placard P/N D41-1127-10-22 on both fuel tanks Ground run for systems operational check and flight check completed with satisfactory results.

Alan R Brown AP86401252IA

COMPLETE ENTRIES. DRAW A DIAGONAL LINE

Pressure	Altitude	Pressure Error	Altitude Error
1000	980	-1000	20
1000	505	500	5
1000	1000	1000	0
1000	1490	1500	10
1000	2000	2000	0
1000	2785	3000	215
1000	3780	4000	220
1000	4790	5000	210
1000	5785	6000	215
1000	7790	8000	210
1000	7780	10000	220

Pressure	Altitude	Pressure Error	Altitude Error
1000	1175	1200	25
1000	1305	1400	95
1000	1490	1500	10
1000	1570	1590	20
1000	1755	1780	25
1000	1930	1940	10

I certify that the altimeter, static system, and transponder are installed and operating in accordance with the limits of FAR's 91.411, 91.413, and 91.417, and the limits of FAR 43, appendices E & F and AC 43-6A.

TESTED TO 20,000 FEET ON 6/29/2016

Transponder: Mfg Gamm p/n _____
 Model GT 33 s/n Installation

Encoder: Mode OC 74 p/n _____ s/n 47801314

Altimeter: (1) Mfg Gamm p/n _____ s/n 47801314
 (2) Mfg United p/n 5934 s/n Installation

W/O A/16/68 Tach Hobbs 1630.0

Date 6/29/2016 Sign _____

Infinity Aviation Services LLC Nashua, NH 08063 FAA Repair Station #16FR992Y

Hysteresis (50% Increase=1/min)(40% Increase=1/min)

Pressure	Altitude	Pressure Error	Altitude Error
50%	970	970	40
40%	7770	7755	35

After Effect (upon re-ATMOR)

Pressure	Altitude	Pressure Error	Altitude Error
280	280	10	
230	230	10	
230	230	0	

07/15/2016

Replaced left side position light with universal A/C lamp 24-28V 26W bulb

Hobbs 4079.8 TACH time 1630.6

Signed IRS B. Chalk Date 7/15/16
OWNER

Aptis Maintenance, LLC
 302 Boxboro Road, Stow MA 01775
 N500NA S/N: 40.367 M/M: Diamond DA-40
 Hobbs: 4085.1 Tach: Acft TT: Date: 14 November 2016

Replace nose gear tube with Desser Aero Classic 5.00x5 inner tube. Operational check satisfactory.

Susan E Douglas AP 3732173 Susan E Douglas

Aptis Maintenance, LLC 302 Boxboro Road, Stow MA 01775
 N500NA S/N: 40.367 M/M: Diamond DA-40
 Hobbs: 4086.2 Tach: Acft TT: Date: May 16, 2018

Replace aircraft battery with Gill P/N 7243. Operational check satisfactory.

Shawn Herrick
 Shawn Herrick, AP 3964476

ENGINEERING RECORD

SECTION, REPAIRS & REPLACEMENT
 DRAW THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

Altimeter/Encoder Calibration Sheet
 Infinity Aviation Services LLC
 FAA Certified Repair Station # 16FR992Y
 Form #10

Date: 6/29/2016

A/C Tail # N500NA
 Work Order # A16168

Initial Indications
 At 29.92 In hg

Altimeter: 280 Feet
 Calibrator: 290 Feet

	Model Number	Serial Number	
Altimeter	Garmin GDC 74	47801314	006-B5761-12
Transponder	Garmin GTX 33	Installed	006-B0172-XX
Encoder	Garmin GDC 74	47801314	

Barometric Scale Error (reference pressure @ 29.92 in hg to zero)

In hg scale	Feet Calibration	Feet Reading	Adj to 29.92 in hg	Feet Error	± Feet Tolerance
28.10	-1727	-1720	/	7	± 25
28.50	-1340	-1335		5	± 25
29.00	-863	-860		3	± 25
29.50	-392	-385		7	± 25
29.92	0	5		5	± 25
30.50	531	540		9	± 25
30.90	893	900		7	± 25
30.99	974	980		6	± 25

PFD
 Hobbs: 4078.8
 Tach: 1630.0

UNITED STATES OF AMERICA DEPARTMENT OF TRANSPORTATION-FEDERAL AVIATION ADMINISTRATION	
SPECIAL AIRWORTHINESS CERTIFICATE	
CATEGORY/DESIGNATION	Special Flight Permit
PURPOSE	Flying to base for repair
MANUFACTURER	NAME
	ADDRESS
FLIGHT	FROM 6B6C
	TO KMGJ
N 500NA	MODEL DA-40
BUILDER Diamond	SERIAL NO. 40367
Unless sooner surrendered, suspended, revoked, or the termination date of 05 Aug 2019 , this airworthiness certificate is effective under the conditions prescribed in 14 CFR, Part 21, Section 21.18j or 21.217.	
DATE OF ISSUANCE	26 Jul 2019
SIGNATURE OF FAA REPRESENTATIVE	DESIGNATION OR OFFICE NO.
DAVID J CARDULLO Digitally signed by DAVID J CARDULLO Date: 2019.07.26 10:38:05 -04'00'	ANE-BOS-FSDO-61
This airworthiness certificate is issued under the authority of Title 49 United States Code 44704 and Title 14 Code of Federal Regulations. Any alteration, misuse or reproduction for a fraudulent purpose of this certificate may be punishable by certificate revocation, fine, and / or imprisonment. THIS PORTION OF THE CERTIFICATE MUST BE DISPLAYED IN THE AIRCRAFT PER THE APPLICABLE REGULATIONS.	



Select to enable digital signature

Expires

05 Aug 2019

-- Conditions and Limitations --

This authorization must be displayed in the aircraft in accordance with 14 CFR §91.203(b).

This aircraft does not meet the airworthiness standards of Annex 8 to the Convention on International Civil Aviation. Operations in airspace outside of the United States will require the permission of the applicable foreign authority. That permission must be carried aboard the aircraft together with this U.S. airworthiness certificate and, upon request, be made available to an FAA inspector or the applicable foreign authority in the country of operation. Operations may be further restricted by the applicable foreign authority. This may include not allowing use of an airport, requiring specific routing, and restricting flight over specific areas. The operator must comply with any additional limitation prescribed by the applicable foreign authority when operating in its airspace. These Operating Limitations are a part of the Special Flight Permit issued to the aircraft described above. Flight crewmembers must be properly certificated and rated in accordance with 14 CFR Part 61.

1. The flight described above shall be made under VFR/VMC day conditions only, (unless the additional limitation below authorizes differently). The flight shall be made by the most direct and expeditious route consistent with the aircraft operating limitations and weather.
2. Occupancy of the aircraft is limited to the pilot, essential flight crew required to operate the aircraft and its equipment and personal baggage.
3. All flights shall be conducted to avoid areas having heavy air traffic and to avoid cities, towns, villages and congested areas or any other area where flights might create hazardous exposure to persons or property. Flight over a foreign country must have special permission from that country.
4. Prior to flight, the aircraft must be inspected by a certificated mechanic or repair station to determine the aircraft is safe for the intended flight. The result of that inspection will be entered in the permanent aircraft records with the following similarly worded statement: **"This aircraft has been inspected and has been found safe for the intended flight in accordance with Special Flight Permit dated _____."**
5. Operation of this aircraft is subject to the approval of the registered owner. The aircraft must display U.S. registration identification marks and have a registration certificate issued to its owner on board. This permit is valid for one flight only (Direct) with necessary fuel stops.
6. Any Airworthiness Directive pertinent to this make and model of aircraft that requires compliance must be complied with before the ferry flight is initiated unless the AD specifies that the aircraft can be ferried to a location where the

AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD					
7/3/2019	TACH - 1635.8				1- Charge Battery 2- Preflight Inspection - all systems appear to be operating as they should per the AFM. 3- Compression check: 1- 76/80, 2- 77/80 3- 76/80, 4- 78/80 Herbert R. Dwyer ATP 3364821
	HOBBS - 4330.3				
7-30-19	Tach: 1635.8				I have inspected this aircraft and found it to be safe for the intended flight in accordance with Special Flight Permit dated 26 Jul 2019. Dennis Miller 3871396AP Dennis Miller End
	Hobbs: 4330.3				

wo: WO_757



Airframe - page 1 of 1

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

N500NA
hobbs: 4332.2

DIAMOND, DA 40, S/N: 40.367
tach: 1637.4

January 12, 2020

Installed Garmin GDL-82 ADSB out transponder interface P/N: 011-03945-40 and Garmin GA-35 GPS/WAAS Antenna P/N: 013-00235-00 IAW TC# SA 0257SE and Garmin Installation manual. Filled out FAA form 337 and submitted to FAA as required. Weight and balance negligible. With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Take Flight Aviation. Under work order: WO_757.

James T. Markey IA AP31668721A

James T. Markey

ENGINEERING RECORD

24

INSPECTION, REPAIRS & REPLACEMENT

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

SIGNATURE

LICENCE NUMBER

wo: WO_444

Airframe - page 1 of 1



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

N500NA
Tach: 1637.4

DIAMOND, DA 40, S/N: 40.367
Hobbs: 4332.2

December 27, 2019

1. Performed 100hr/Annual inspection I/AW AC43.13-2B, Using Diamond DA40 AMM and checklist as a reference.
2. Aircraft was completely cleaned and vacuumed. Interior was then removed for inspection.
3. Inspected all hoses, lines, wiring, servos, control rods, control cables and levers. Lubricated all flight controls and checked control cables tensions.
4. Repaired broken wires on interior overhead lights as required.
5. Removed and replaced LH and RH rear position light bulbs with new.
6. Cleaned and adjusted cabin entry door annunciator micro switches as required.
7. Removed LH cabin entry step, Cleaned, prepped, paired and re-installed as required.
8. Repaired paint on leading edges of aircraft wings and several areas of fuselage as required.
9. Removed Taxi light cover, cleaned and re-installed with new hardware as required.
10. Removed and replaced cracked exhaust bracket with new as required.
11. Removed and replaced LH main gear tire and tube with new.
12. Removed and replaced LH main gear wheel bearings with new as required.
13. Cleaned and lubricated mixture cable as required.
14. Removed and replaced LH and RH wing to fuselage seal with new as required.
15. Rebuilt Pilots LH brake master cylinder with new o-rings and bled system as required.
16. Rebuilt Pilots RH brake master cylinder with new o-rings and bled system as required.
17. Cleaned and inspected fuel selector upper joints with no defect noted.
18. Cleaned and lubricated aircraft roll servo as required.
19. Removed and replaced nose wheel tire and tube with new.
20. Removed and replaced nose landing gear steering stop with new.
21. Removed and replaced emergency battery with new.
22. Removed and replaced #2 exhaust riser with new.
23. Removed and replaced #3 exhaust riser with new.
24. Removed and replaced main aircraft battery with new.
25. Completed a aircraft electrical bonding check IAW Diamond maintenance manual. All bonding checks with in tolerance.
26. Removed RH wing walk and painted on new wing walk as required.
27. Removed LH wing walk and painted on new wing walk as required.
28. Removed and replaced RH and LH cabin entry step pads with new.
29. Aircraft placed on jacks and wheel assemblies removed for inspection.
30. Removed, Cleaned, Inspected, repacked and re-installed wheel bearings.
31. Wheel assemblies re-installed on aircraft and aircraft removed from jacks.
32. ELT inspected IAW FAR-91.201(d), battery replacement due 12/2024
33. Closed all access panels after inspection completed.
34. All AD's checked bi-weekly through this date.
35. All routine service items performed.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Take Flight Aviation LLC under work order: WO_444.

James T. Markey IA AP3166872IA

AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD <small>NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE</small>
	HRS.	MIN.	HRS.	MIN.	

BROUGHT FORW/

Airframe - page 1 of 1

wo: WO_506

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

N500NA
Tach: 1638.6

DIAMOND, DA 40, S/N: 40.367
Hobbs: 4335.0

January 14, 2020

1. Adjusted throttle and mixture control levers to obtain clearance from each other as required.
2. Cleaned connector for LH fuel indication at wing root and re-connected.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Take Flight Aviation LLC under work order: WO_506.

James T. Markey IA AP3166872IA *James T. Markey*

wo: WO_516

Airframe - page 1 of 1

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

N500NA
Tach: 1641.5

DIAMOND, DA 40, S/N: 40.367
Hobbs: 4339.4

February 3, 2020

1. Adjusted RH seat belt to correct retraction issue as required.
2. Removed connector to LH fuel sensor. Cleaned connections and re-installed as required.
3. Removed and replaced RH position light bulb with new as required. Installed (1) A50828 - Position Light (tail).
4. Removed debris from air speed line as required to get proper airspeed indication on ground.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Take Flight Aviation LLC under work order: WO_516.

James T. Markey IA AP3166872IA *James T. Markey*

wo: WO_535

Airframe - page 1 of 1

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

N500NA
Tach: 1685.1

DIAMOND, DA 40, S/N: 40.367
Hobbs: 4406.1

March 4, 2020

- 1) Removed and replaced RH position light bulb with new as required. Installed (1) A50828 - Position Light (tail).

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Take Flight Aviation LLC under work order: WO_535.

James T. Markey IA AP3166872IA *James T. Markey*

ENGINEERING RECORD

INSPECTION, REPAIRS & REPLACEMENT

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

SIGNATURE

LICENCE
NUMBER

wo: WO_537



Airframe - page 1 of 1

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

DIAMOND, DA 40, S/N: 40.367
Hobbs: 4413.8

March 6, 2020

N500NA
Tach: 1689.6

1. Removed and replaced Co-Pilots rudder adjustment cable with new. Installed (1) 20-2700-21-00 - rudder pedal adjustment cable.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Take Flight Aviation LLC under work order: WO_537.

James T. Markey IA AP3166872IA

wo: WO_557



Airframe - page 1 of 1

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

DIAMOND, DA 40, S/N: 40.367
Hobbs: 4489.3

May 8, 2020

N500NA
Tach: 1738.4

1. Performed a Annual airframe inspection I/A/W AC43.13 Appendix D, using Diamond DA 40 AMM and checklist as a reference.
2. Removed seats, interior and all access panels for inspection.
3. ELT inspected I/A/W FAR 91.207d, battery replacement due 03/2024.
4. Emergency backup battery inspected. Replacement due 05/2021.
5. Aircraft placed on jacks and wheel assemblies removed for inspection.
6. Removed, cleaned, inspected, repacked and installed wheel bearings.
7. Wheel assemblies reinstalled and aircraft removed from jacks.
8. Checked tension on rudder cables and adjusted to spec.. Lubricated all flight controls.
9. Main battery removed, tested, charged and reinstalled.
10. Interior reinstalled and access panels closed.
11. Aircraft was completely cleaned and vacuumed.
12. All routine service item performed.
13. Removed and replaced RH main gear tire and tube with new. Installed (1) 600 - tube, Installed (1) 6.00 6 6ply - tire.
14. Complied with AD 2015-19-07 by inspection of fuel injector lines and clamps I/A/W MSB 342F, no defects found. Next due Tach: ~~1838.3~~ 1838.4
15. Complied with AD2009-10-4 NLG leg cracks by inspection para (f) (1) and Diamond MSB40-046/3 with no cracks noted. Next due 05/08/2021 or Tach: 1938.4.
16. AD's researched bi weekly thru this date.
17. Replaced brake line clip on LH main gear leg as required. Installed (1) 420420-1 - Brake Line clamp.
18. Repaired broken wire on pilots yoke trim switch as required.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Take Flight Aviation LLC under work order: WO_557.

James T. Markey AP 3166872 FH

AIR TIME AND

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

wo: WO_647

Airframe - page 1 of 1



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

N500NA
tach: 1836.2

DIAMOND, DA 40, S/N: 40.367
hobbs: 4632.0

August 27, 2020

1. Performed a Annual airframe inspection I/A/W AC43.13 Appendix D, using Diamond DA 40 AMM and checklist as a reference.
2. Removed seats, interior and all access panels for inspection.
3. ELT inspected I/A/W FAR 91.207d, battery replacement due 03/2024.
4. Emergency backup battery inspected. Replacement due 05/2021.
5. Aircraft placed on jacks and wheel assemblies removed for inspection.
6. Removed, cleaned, inspected, repacked and installed wheel bearings.
7. Wheel assemblies reinstalled and aircraft removed from jacks.
8. Checked tension on rudder cables and adjusted to spec.. Lubricated all flight controls.
9. Main battery removed, tested, charged and reinstalled.
10. Interior reinstalled and access panels closed.
11. Aircraft was completely cleaned and vacuumed.
12. All routine service item performed.
13. Complied with AD 2015-19-07 by inspection of fuel injector lines and clamps I/A/W MSB 342F, no defects found. Next due Hobbs: 1936.2.
14. Complied with AD2009-10-4 NLG leg cracks by inspection para (f) (1) and Diamond MSB40-046/3 with no cracks noted. Next due 08/27/2020 or Hobbs: 1936.2.
15. AD's researched bi weekly thru this date.
16. Removed and replaced cabin heat scat tube with new. Installed (1) 3 in. Aeroduct tubing (per foot) - scat.
17. Fabricated and installed exhaust tail pipe hanger bracket as required.
18. Inspected tail fin paint cracks and determined to be cosmetic only.
19. Re-assambled cabin air vent as required.
20. Removed RH rudder stop bolt, straightened nut plate and installed new stop bolt.
21. Removed and replaced LH brake linings with new. Installed (2) 066-14100 - Brake Pads, Installed (6) 105-00200 - Brake Rivet.
22. Removed and replaced RH brake linings with new. Installed (2) 066-14100 - Brake Pads, Installed (6) 105-00200 - Brake Rivet.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Take Flight Aviation LLC under work order: WO_647.

James T. Markey IA AP3166872IA

CARRIED FORWARD

wo: WO_688



Airframe - page 1 of 1

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

DIAMOND, DA 40, S/N: 40.367
hobbs: 4741.9

November 3, 2020

N500NA
tach: 1908.0

1. Removed and replaced RH strobe bulb with new. Installed (1) 02-0250276-00 - Whelen A610 Flashtube.
2. Removed and replaced RH position light bulb with new. Installed (1) A50828 - Position Light (tail).

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Take Flight Aviation LLC under work order: WO_688.

James T. Markey IA AP3166872IA *James T. Markey*

wo: WO_725



Airframe - page 1 of 1

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

DIAMOND, DA 40, S/N: 40.367
tach: 1917.9

January 2, 2021

N500NA
hobbs: 4756.4

1. Performed a Annual airframe inspection I/A/W AC43.13 Appendix D, using Diamond DA 40 AMM and checklist as a reference.
2. Removed seats, interior and all access panels for inspection.
3. ELT inspected I/A/W FAR 91.207d, battery replacement due 03/2024.
4. Emergency backup battery inspected. Replacement due 05/2021.
5. Aircraft placed on jacks and wheel assemblies removed for inspection.
6. Removed, cleaned, inspected, repacked and installed wheel bearings.
7. Wheel assemblies reinstalled and aircraft removed from jacks.
8. Checked tension on rudder cables and adjusted to spec.. Lubricated all flight controls.
9. Main battery removed, tested, charged and reinstalled.
10. Interior reinstalled and access panels closed.
11. Aircraft was completely cleaned and vacuumed.
12. All routine service item performed.
13. Complied with AD 2015-19-07 by inspection of fuel injector lines and clamps I/A/W MSB 342F, no defects found. Next due Hobbs: 2017.9.
14. Complied with AD2009-10-4 NLG leg cracks by inspection para (f) (1) and Diamond MSB40-046/3 with no cracks noted. Next due Hobbs: 2017.9.
15. AD's researched bi weekly thru this date.
16. Removed and replaced cabin heat scat tube with new. Installed (1) 3 in. Aeroduct tubing (per foot) - scat.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Take Flight Aviation LLC under work order: WO_725.

James T. Markey IA AP3166872IA *James T. Markey*



AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD <small>NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE</small>
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD					

AC MAKE: Diamond	SPARKCHASERS	TACH TIME:
AC MODEL: DA 40	——Aircraft Services, Inc.——	HOBBS: 4768.20
AC S/N: 40.367	AIRFRAME LOGBOOK ENTRY	A/C REG. #: N500NA

Date: May 27, 2021

Calibrated the United Instruments Altimeter PN: 5934PD-3 SN: 43849 to be within tolerance to comply with FAR Part 43 APP E.

I certify that the altimeter and static system tests and inspections required by FAR 91.411 have been performed.

The LH Altimeter, P/N Garmin GDC74-A (011-00882-10) S/N 4780131H certified to FAR Part 43, Appendix E by Sparkchasers Aircraft Services, Inc., CRS# XSPR699K, on WO# 10-21784 was tested to 20,000 ft. on 05/19/2021. The RH Altimeter, P/N United Instruments 5934PD3 S/N 43849 certified to FAR Part 43, Appendix E by Sparkchasers Aircraft Services, Inc., CRS# XSPR699K, on WO# 10-21784 was tested to 20,000 ft. on 05/19/2021. The associated altitude reporting system was tested to 20,000 ft. Details related to certification are on file under WO# 10-21784, dated 05/19/2021.

I certify the below ATC transponder(s) tests and inspections required by FAR Part 91.413 have been performed IAW Appendix F, of FAR Part 43 and documented on Work Order No. 10-21784 dated 05/19/2021.

#1 Transponder: Make Garmin Model GTX33, S/N 84701145.

Signed *Alb Wey Dink* for
 Sparkchasers Aircraft Services, Inc.
 FAA CRS# XSPR699K

AC MAKE: Diamond	SPARKCHASERS	TACH TIME:
AC MODEL: DA 40	——Aircraft Services, Inc.——	HOBBS: 4768.20
AC S/N: 40.367	AIRFRAME LOGBOOK ENTRY	A/C REG. #: N500NA

Date: May 27, 2021

Removed ACK ELT E-01 SN: 029012 for repair and placard has been placed in view of the pilot. No person may operate the aircraft more than 90 days after the ELT is initially removed from the aircraft. The owner/operator has until August 25, 2021 for the ELT to be repaired/replaced. All inspection records and other documents pertaining to this minor alteration are on file at Sparkchasers Aircraft Services, Inc., 3223-C Swift Creek Road, Smithfield, NC 27577 under Work Order Number 10-21784 dated 05/19/2021.


Signed *Alb Wey Dink* for
 Sparkchasers Aircraft Services, Inc.
 FAA CRS# XSPR699K

CARRIED FORWARD

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

SIGNATURE

LICENCE NUMBER

 BLUE LINE TECHNICAL SERVICES 919-578-3728		Blue Line Technical Services, LLC 3149 B Swift Creek Rd. Smithfield NC, 27577		Airframe	
Make: Diamond	Model: DA40	Serial No: 40.367	Tach: 1934.5		
Reg. No: N500NA					
WORK PERFORMED:		Hobbs: 4780.3			
Installed refurbished ELT (P/N: ACK E-01, S/N: 005984). Tested ELT per 91.207(d), battery expires DEC 2024. Removed "ELT removed" placard from instrument panel.					
Rachel Weilandt A&P 3889290		<i>Rachel Weilandt</i>		8/3/2021	
Name/ Certificate No.		Signature		Date	

Model	DA40	Interstate Turbine Management	Date	10/15/21
S/N	40.367	6070 Perimeter Rd.	Tach	2016.4
Reg #	N500NA	North Charleston, SC 29406	TTAF	3628.9
WO#	28563			

C/W 100hr inspection IAW FAR 43 Appendix D.

I CERTIFY THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH FAR 43.151 AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

[Signature]

22 OCT 21 N500NA DA40 SN 40.367

Tach 2027.4

Removed and Replaced electric (Booster Pump) P/N 5100-00-9 SN OFF 52898 SN ON 52899 In Accordance With DA40 AMM 28-20-00. Performed leak and operational check. No defect noted. Run check ops checked good — END

Model	DA40	Interstate Turbine Management
S/N	40.367	6070 Perimeter Rd
Reg #	N500NA	North Charleston, SC 29406

C/W 50hr insp. Installed serviceable standby attitude indicator P/N 504-0111-938 S/N 504011193625013. Installed new left nav light lamp and repaired right nav light wiring. Replaced two cam lock recepticals in nose cowl. Installed new battery P/N RG2A-15M S/N 41173734. Repaired pilots rudder pedal adjust cable and reinstalled.

[Signature]

CRS# I1BR578Y

Authorized Release Certificate
FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

31 AVE. MIAMI, FL. 33186 YPGR715L

8. Part Number:	5100-00-9CJ
9. Quantity:	1

This certificate is valid only for the aircraft, airframe, aircraft engine, propeller or appliance identified on this certificate. It is not valid for use on any other aircraft or appliance. Issuance of this certificate is subject to the approval of the Federal Aviation Administration and is approved for use on aircraft registered in the United States.

Revision No: E Revision Date: 02/27/2013

AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD <small>NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE</small>
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD					

Model	<u>DA40</u>	Interstate Turbine Management	Date	<u>11/24/21</u>
S/N	<u>40.367</u>	6070 Perimeter Rd.	Tach	<u>2113.0</u>
Reg #	<u>N500NA</u>	North Charleston, SC 29406	TTAF	<u>3725.5</u>
WO#	<u>28636</u>			

C/W 100hr inspection IAW FAR 43 Appendix D. Installed new left main tire. Installed new brake linings. Installed new landing light lamp. Isolated right strobe power supply. Installed new right nav light lamp.

[Signature]

CRS# I1BR578Y

Model	<u>DA40</u>	Interstate Turbine Management	Date	<u>11/30/21</u>
S/N	<u>40.367</u>	6070 Perimeter Rd.	Tach	<u>2113.0</u>
Reg #	<u>N500NA</u>	North Charleston, SC 29406	TTAF	<u>3725.5</u>
WO#	<u>28603</u>			

Installed new right strobe power supply P/N 70062-05 S/N 10409690022. Repaired pilots ruder pedal adjust cable.

[Signature]

CRS# I1BR578Y

Model: DA40
S/N: 40.367
Reg # N500NA



Date: 1/20/2022
Tach: 2171.8
TTAF: 2171.8
Hobbs: 5127.2

890 Greyback Rd, Summerville, SC 29483

1. Performed an annual inspection IAW AC43.13 Appendix D, using Diamond DA40 AMM and checklist as a reference.
2. Removed seats, interior, and all access panels for inspection
3. ELT inspected IAW FAR 91.207d Battery replacement due 3/2024
4. Aircraft jacked and wheel assy's removed for inspection
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. Main battery removed, tested, charged, and reinstalled
9. Interior reinstalled, access panels reinstalled
10. Emergency battery inspected. Next due replacement 05/2029
11. Complied with AD 2015-19-07 by visual inspection of lines and clamps IAW Lycoming Engines Mandatory Service Bulletin (MSB) No. 342G, dated July 16, 2013 no defects found. Next due 2281.8 TACH
12. Complied with AD 2009-10-4 NLG leg crack inspection by visual inspection with 10x magnifying glass per Diamond MSB40-046-3 with no cracks noted
13. AD's researched biweekly thru this date
14. Replaced pilot rudder pedal adjust cable with diamond p/n 20-2700-21-00

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

[Signature]
Zachary Braddock 3310705 A&P/IA

ENGINEERING RECORD

INSPECTION, REPAIRS & REPLACEMENT

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

SIGNATURE

LICENCE
NUMBER

Model DA40
S/N 40.367
Reg # N500NA

Interstate Turbine Management
6070 Perimeter Rd.
North Charleston, SC 29406

Date 12/16/21
FLT 5089.5
WO# 28670

Installed new starter P/N 149-241S S/N H-V063879. Ground checked good.

[Signature]

CRS# I1BR578Y

Model DA40
S/N 40.367
Reg # N500NA

Interstate Turbine Management
6070 Perimeter Rd.
North Charleston, SC 29406

Date 2/4/22
FLT 5136.7
WO# 28711

Installed new left main tire. Re-routed and adjusted pilots rudder pedal adjust cable.

[Signature]

CRS# I1BR578Y

Model: DA40
S/N. 40.367
Reg # N500NA

CRAFT
FLIGHT TRAINING & SIMULATION

Date: 04/29/2022
Tach: 2217.3

890 Greyback Rd, Summerville, SC 29483

Replaced pilot side rudder pedal sled with p/n: 22-2729-60-00 Aircraft approved for return to service at this time

[Signature]

Zachary Braddock 3310705 A&P

Model: DA40
S/N. 40.367
Reg # N500NA

CRAFT
FLIGHT TRAINING & SIMULATION

Date: 6/10/2022
Tach: 2220.3

890 Greyback Rd, Summerville, SC 29483

Replaced bad RPM sensor on RH magneto with p/n: 653852. Timing set to 25 degrees btdc ops ck good. Aircraft approved for return to service at this time

[Signature]

Zachary Braddock 3310705 A&P

Model: DA40
S/N. 40.367
Reg # N500NA

CRAFT
FLIGHT TRAINING & SIMULATION

Date: 06/13/2022
Tach: 2220.8

Drained oil, removed filter, filter cut open, no metal noted at this time. Installed new AA48110-2 Oil filter and serviced engine with Phillips XC 20W-50. Ran engine. no leaks at this time.

[Signature]
Nick Ggurich 4216723 A&P

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

TOTAL TIME SINCE MFG	SIGNATURE
MIN	HR
MIN	HR

Model: DA40
S/N. 40.367
Reg # N500NA



Date: 10/21/2022
Tach: 2368.9
TTAF: 2368.9

1. Performed a 100hr inspection IAW 14 CFR FAR 43.13 Appendix (D) using Diamond DA40 AMM and checklist as a reference.
 2. Removed seats, interior, and all access panels for inspection
 3. ELT inspected IAW FAR 91.207d Battery replacement due 3/2024
 4. Aircraft jacked and wheel assy's removed for inspection
 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. Main battery removed, tested, charged, and reinstalled
 9. Interior reinstalled, access panels reinstalled
 10. Emergency battery inspected. Next due replacement 05/2029
 11. Complied with AD 2015-19-07 by visual inspection of lines and clamps IAW Lycoming Engines Mandatory Service Bulletin (MSB) No. 342G, dated July 16, 2013 no defects found. Next due 2478.9 TACH
 12. Complied with AD 2009-10-4 NLG leg crack inspection by visual inspection with 10x magnifying glass per Diamond MSB40-046-3 with no cracks noted
 13. AD's researched biweekly thru this date
 14. Replaced aft left engine baffle
- 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
S/N. 40.367
Reg # N500NA



Date: 11/2/2022
Tach: 2375.4

Replaced faulty electric fuel pump with CJ Aviation fuel pump P/N: 5100-00-9CJ S/N: 4529-4536 Aircraft approved for return to service at this time.

Zachary Braddock
Zachary Braddock 3310705 A&P

Model: DA40
S/N. 40.367
Reg # N500NA



Date: 12/2/2022
Tach: 2398

Alternator warning light illuminated on G1000 showing no amps/volts. Replaced alternator and ring terminal on aux post on alternator. Alternator P/N: ALU-8521R S/N H-W100828. Aircraft test ran ops ck good. Aircraft approved for return to service at this time.

Nick Grigurich
NICK GRIGURICH 4216723 A&P

CRAFT AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD <small>NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE</small>
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD					

Model: DA40
S/N. 40.367
Reg # N500NA



Date: 1/19/2023
Tach: 2458.0
TTAF: 2458.0

1. Performed an ANNUAL inspection IAW 14 CFR FAR 43.13 Appendix (D) using Diamond DA40 AMM and checklist as a reference.
 2. Removed seats, interior, and all access panels for inspection
 3. ELT inspected IAW FAR 91.207d Battery replacement due 3/2024
 4. Aircraft jacked and wheel assy's removed for inspection
 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. Main battery removed, tested, charged, and reinstalled
 9. Interior reinstalled, access panels reinstalled
 10. Emergency battery inspected. Next due replacement 05/2029
 12. Complied with AD 2009-10-4 NLG leg crack inspection by visual inspection with 10x magnifying glass per Diamond MSB40-046-3 with no cracks noted
 13. Installed new taxi light P/N 7034603
 14. Installed new LH and RH brake pads P/N: 066-14100
- AD's researched biweekly thru this date, no new AD's See AD compliance record
Aircraft 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

Zachary Braddock
Zachary Braddock 3310705 A&P/IA

Model: DA40
S/N. 40.367
Reg # N500NA



Date: 1/22/2023
Tach: ~~2348.7~~ *2458.7* **AM**

Replaced faulty electric fuel pump with CJ Aviation fuel pump P/N: 5100-00-9CJ S/N: 4491 Aircraft approved for return to service at this time.

Charles Long
Charles Long 3093337 A&P

Model DA40
S/N 40.367
Reg # N500NA

Interstate Turbine Management
6070 Perimeter Rd.
North Charleston, SC 29406

Date 6/13/23
Tach 2525.5
WO# 29283

Installed new pilots rudder peddle adjust cable P/N DA4-2723-24-00. Repaired PFD fan wiring.

Chris R...

CRS# I1BR578Y

CARRIED FORWARD

I certify that the Altimeter & Static Sys test required by FAR 91.411 has been performed and complies with FAR 43, appendix E.

L-P/N GDC74A S/N 4780131H Tested to 20000 ft.
STBY 5934PAL S/N 43849 Tested to 20000 ft.
Altitude reporting sys. tested to 20000 ft.

Signed _____
Date June 12, 2023 WO# 29283

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

I certify that the ATC Transponder test and Inspection required by FAR 91.413 has been performed and complies with FAR 43, appendix F.

#1 Make Garmin Model GTX33ES S/N 84701145
#2 Make N/A Model N/A S/N N/A

Signed _____
Date June 12, 2023 WO# 29283

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

30

C
E
R

Model: DA40
S/N. 40.367
Reg # N500NA

CRAFT

FLIGHT TRAINING & SIMULATION

Date: 7/12/2023
Tach: 2542.2

890 Greyback Rd. Summerville, SC 29483

Replaced Left Main Landing Gear tire with Air Hawk 600-6 6 Ply tire and Airstop Michelin tube P/N 092-500-0 Aircraft approved for return to service at this time.

Joshua Johnson-Pengra 4833713 A&P

Model DA40
S/N 40.367
Reg # N500NA

Interstate Turbine Management
6070 Perimeter Rd.
North Charleston, SC 29406

Date 7/14/23
TACH 2549.2
WO# 29339

Installed new Right main tire P/N AB3EA.

[Signature]

CRS # 11BR578Y

Model DA40
S/N 40.367
Reg # N500NA
WO# 29359

Interstate Turbine Management
6070 Perimeter Rd.
North Charleston, SC 29406

Date 7/27/23
TACH 2558.2
TTAF 2558.2

C/W 100hr inspection IAW FAR 43 Appx D checklist. Installed cabin air SCAT tube. Replaced prop governor gasket. Installed new copilots rudder peddle adjust cable P/N DA4-2723-24-00 and reinstalled rudder pedal springs. Adjusted idle mixture settings.

[Signature]

CRS#11BR578Y

Model DA-40
S/N 40-367
Reg # N500NA

Interstate Turbine Management
6070 Perimeter Rd.
North Charleston, SC 29406

Date 08/03/2023
Hobbs 5706.5
WO# 29366
TTAF

Replaced leaking nose wheel inner tube with new. Reassembled wheel IAW M/M. Balanced assembly and installed. Serviced remaining tires.

[Signature]

CRS# 11BR578Y

NSN: 0052-00-012-9005

Responsibilities
constitute authority to install the aircraft engine/propeller/article.
worthiness authority different than the airworthiness authority of the country specified in
this aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the
aircraft maintenance records must contain an installation certification issued in accordance

Idc. Name (Typed or Printed):
Idc. Date (dd/mm/yyyy):

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

FOR USE BY THE PILOT

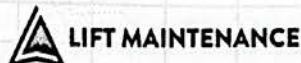
Model	DA40	Interstate Turbine Management	Date	9/12/23
S/N	40.367	6070 Perimeter Rd.	Hobbs	5775.7
Reg #	N500NA	North Charleston, SC 29406	WO#	29381

Installed new starter P/N 149-24LS, S/N H-X011318.

[Signature]

CRS # I1BR578Y

Registration: N500NA
AC Serial Number: 40.367
Airframe TT: 2657.40
WO: 5916



Maintenance performed:

Complied with a 100 HR. inspection IAW FAR 43.13 Appendix D and referencing the aircraft MM. 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 FAA 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: 5916. Date 10/10/2023

Date: 10/10/2023

Signature: *[Signature]*
Phillip Dickinson 4474866 A&P

Model: DA40
S/N: 40.367
Reg # N500NA



Date: 1/5/2024
Tach: 2758.6
TTAF: 2758.6

1. Performed an ANNUAL inspection IAW 14 CFR FAR 43.13 Appendix (D) using Diamond DA40 AMM and checklist as a reference.
 2. Removed seats, interior, and all access panels for inspection
 3. ELT inspected IAW FAR 91.207d Battery replacement due 3/2024
 4. Aircraft jacked and wheel assy's removed for inspection
 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. Main battery removed, tested, charged, and reinstalled
 9. Interior reinstalled, access panels reinstalled
 10. Emergency battery replaced. Next due replacement 01/26
 12. Complied with AD 2009-10-4 NLG leg crack inspection by visual inspection with 10x magnifying glass per Diamond MSB40-046-3 with no cracks noted
 13. Installed new LH and RH brake pads P/N: 066-14100
 14. Replaced bonding straps on LH and RH flap and LH aileron
- AD's researched biweekly thru this date, no new AD's See AD compliance record
Aircraft 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]
Zachary Braddock 3310705 A&P/IA

AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	

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	RIGHT
FEET	FEET
20,000	20,000
S/N: 47801314	S/N: 438496
DATE: 2-17-2026	INSPECTOR: Richard Ellington
W/O: 12783 CAROLINA AVIONICS GROUP, LLC FAA APPROVED REPAIR STATION # QCCR-389K	

NSOONA
CAROLINA AVIONICS GROUP, LLC

FAA Approved repair station QCCR389K
Altimeter Scale Error
Correction Card

TEST PT(FT)	Indicator Reading at +28c	TEST	Indicator Reading at +28c
-1,000	-1020	30,000	
0	-20	35,000	
500	480	40,000	
1,000	980	45,000	
1,500	1480	50,000	
2,000	1980	55,000	
3,000	2980	60,000	
4,000	2980	70,000	
6,000	5980	80,000	
8,000	7980		
10,000	9980		
12,000	11980		
14,000	14000		
16,000	16000		
18,000	18000		
20,000	20000		
22,000			
25,000			

Altimeter Position

Pilot

Copilot

ALT. S/N 47801314
DATE 2-17-26

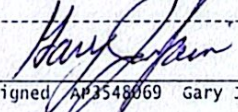
FAR 91.413

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

TRANSPONDER #1	MAKE: Garmin	MODEL: GTX33	S/N: 84701145
TRANSPONDER #2	MAKE:	MODEL:	S/N:
DATE: 2-17-2026	W/O: 12783	INSPECTOR: Richard Ellington	
NSOONA CAROLINA AVIONICS GROUP, LLC FAA APPROVED REPAIR STATION # QCCR-389K			

LOG ID# 17+ 23-February-2026
 #6320 S/N 40.367 DIAMOND/KATANA DA40 TA
 NSOONA DOC# ECC123

Removed MFD GDU 1040 PN: 011-00972-00 SN: 86502361 and replaced with exchange sn: 86501920.
 Loaded Sw Version 0370.22 and updated IGRF file to 2025 for GRS1 VARIANCE.
 RAMP TESTED EQUIPMANT AS PER G1000 SERVICE MANUAL.

-----END-----
 Signed:  Gary Jenkins
 Date: 2/17/2026

CARRIED FORWARD

