

## CALIBRATION CARD ALTIMETER

P/N: 5934PD-3		C/N: A.130		S/N: 449675	
Standard Alt (Ft)	Alt Reading (Ft) @ Room Temp	Standard Alt (Ft)	Alt Reading (Ft) @ Room Temp		
-1,000	-10	14,000	-65		
0	+5	16,000	-65		
500	+5	18,000	-55		
1,000	+5	20,000	-30		
1,500	+5	22,000			
2,000	+10	25,000			
3,000	+5	30,000			
4,000	0	35,000			
6,000	-20	40,000			
8,000	-45	45,000			
10,000	-60	50,000			
12,000	-60				
Date: 10-25-05		Tested By:		Inspected By:	

AIRCRAFT

1. Nationality and Registration N230DS
2. Manufacturer's Designation DA40
3. Manufacturer's Serial Number 40.599
4. Type Approval or Specification Number A-224/A47CE
5. Date of Manufacture \_\_\_\_\_
6. Aircraft Inspection Cycle \_\_\_\_\_



DA40 Serial No.40.599

**This is a 2006 model year aircraft**

A handwritten signature in blue ink, appearing to be "Ally", written over a horizontal line.

# 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 COMPLETION</small>
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD	0	0	0	0	AIRCRAFT NEW WITH HARTZELL PROPELLER INSTALLED AS PER STCA...



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



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

<u>SERIAL NUMBER</u>	<u>REGISTRATION MARK</u>	<u>DATE</u>	<u>INSPECTOR</u>
40.599	N230DS	08 December, 2005	<span style="border: 1px solid black; border-radius: 50%; padding: 2px; display: inline-block; text-align: center;">DA Q 42</span>



07 DECEMBER 2005 S/N 40.599  
COMPASS DEVIATION, ALL ELECTRICS ON

FOR	N	30	60	E	120	150
STEER	360	030	060	090	121	151
FOR	S	210	240	W	300	330
STEER	181	211	240	270	300	330



INDEPENDENT CHECK OF FLIGHT AND POWERPLANT CONTROLS

<u>DATE</u>	<u>INSPECTOR</u>
08 December, 2005	<span style="border: 1px solid black; border-radius: 50%; padding: 2px; display: inline-block; text-align: center;">DA Q 8</span>

DEC 08 2005	0	0	0	0	AIRCRAFT SERVICEABLE FOR FLIGHT
DEC 08 2005				2.6	
DEC 10 2005				2.6	AIRCRAFT SERVICEABLE FOR FLIGHT
DEC 10 2005				3.6	
DEC 13 2005				3.6	AIRCRAFT SERVICEABLE FOR FLIGHT
DEC 13 2005				4.1	
DEC 14 2005				4.1	ALL DISCREPANCIES RECTIFIED



DIAMOND AIRCRAFT INDUSTRIES INC.  
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.

<u>DATE</u>	<u>INSPECTOR</u>
14 December, 2005	<span style="border: 1px solid black; border-radius: 50%; padding: 2px; display: inline-block; text-align: center;">DA Q 42</span>

	4.1	CARRIED FORWARD
--	-----	-----------------

# ENGINEERING RECORD

INSPECTION, REPAIRS & REPLACEMENT

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

GARMIN INTEGRATED AVIONICS SYSTEM INSTALLED AS PER STC No. SA01254WE AMTND. 1 →



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

DATE 08 December, 2005 INSPECTOR (DA Q 42)

SIGNATURE LICENCE NUMBER (DA Q 42)



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

ANNUAL INSPECTION DUE: DECEMBER 2006  
BATTERY DUE: JANUARY 2008

DATE 08 December, 2005 INSPECTOR (DA Q 42)



DIAMOND AIRCRAFT INDUSTRIES INC.  
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 08 December, 2005 INSPECTOR (DA Q 42)

	(DA Q 42)
	(DA Q 42)
	(DA Q 42)
	(DA Q 42)
	(DA Q 42)
	(DA Q 42)
	(DA Q 42)
	(DA Q 42)



U.S. Standard Airworthiness Certificate, issued:

(Date) JAN 16 2006, has been installed in the aircraft on behalf of NE-MIDO-46 on:

(Date) JAN 16 2006

(Print) R. SALON (Signature)





# ENGINEERING RECORD

**INSPECTION, REPAIRS & REPLACEMENT**

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

SIGNATURE

LICENCE NUMBER

DA  
Q 42

MAKE: Diamond  
MODEL: DA-40  
S/N: 40.599  
REG. NO: 230DS  
WORK ORDER:  
880-10-2006



**Premier Aircraft Service, Inc.**  
5540 NW 23rd Avenue Hanger 14  
Fort Lauderdale, FL 33309  
Phone: (954) 334-2393

DATE: 11/8/2006  
A/C TSN: 133.2  
TACH: 133.2

**Airframe Entries**

CHECKED RUDDER CONTROL TRAVEL AND RIGGING. ADJUSTED RUDDER CABLE TENSIONS AND ALIGNED PILOT AND CO PILOT RUDDER PEDALS IAW DA40 MM. OPS CHECKED GOOD.>>>>REPLACED PITOT TUBE ASSY WITH NEW P/N DA4-3417-10-00-WIP. OPS CHECKED GOOD. Sent to Banyan Avionics for Pitot Static Leak Check.>>>>INSTALLED BRAKE AWAY WIRE ON EMERGENCY BATTERY SWICH AS REQUIRED.

This aircraft/engine is approved for return to service with reference to work performed on this W/O on this date. THIS RELEASE IN NO WAY CERTIFIES FUTURE AIRWORTHINESS.

DATE: 11/8/2006      SIGNED:   
Emmanuel Vicoso, A&P: 592157851

Work Order: 880-10-2006  
Printed by EBis 3 (datcomedia.com)

MAKE: Diamond  
MODEL: DA-40  
S/N: 40.599  
REG. NO: 230DS  
WORK ORDER:  
880-10-2006



**Premier Aircraft Service, Inc.**  
5540 NW 23rd Avenue Hanger 14  
Fort Lauderdale, FL 33309  
Phone: (954) 334-2393

DATE: 11/8/2006  
A/C TSN: 133.2  
TACH: 133.2

**Airframe Entries**

CW ANNUAL INSPECTION IAW FAR 43 APPENDIX D AND DIAMOND M/M ANNUAL INSPECTION GUIDE. PERFORMED INSPECTION AND FUNCTIONAL CHECK OF ELT IAW FAR 91.207 d ELT INSPECTION... REPLACED PITOT TUBE ASSY WITH NEW P/N DA4-3417-10-00-WIP. OPS CHECKED GOOD. Sent to Banyan Avionics for Pitot Static Leak Check.... REPAIRED AND PAINTED RH WING TIP AS REQUIRED.... TIGHTENED NOSE WHEEL PANT SCREWS AS REQUIRED.... INSTALLED BRAKE AWAY WIRE ON EMERGENCY BATTERY SWICH AS REQUIRED.... CHECKED RUDDER CONTROL TRAVEL AND RIGGING. ADJUSTED RUDDER CABLE TENSIONS AND ALIGNED PILOT AND CO PILOT RUDDER PEDALS IAW DA40 MM. OPS CHECKED GOOD.... UPDATED NAVDATA TO CYC 0611

This aircraft/engine is approved for return to service with reference to work performed on this W/O on this date. THIS RELEASE IN NO WAY CERTIFIES FUTURE AIRWORTHINESS.

DATE: 11/8/2006      SIGNED:   
Jack Wesley Dale, IA: 456967085

Work Order: 880-10-2006  
Printed by EBis 3 (datcomedia.com)

ENGINE MODEL:  
IO360M1A  
ENGINE S/N: L3239951A  
REG. NO: 230DS  
WORK ORDER:  
1306-06-2007



**Premier Aircraft Service, Inc.**  
5540 NW 23rd Avenue Hanger 14  
Fort Lauderdale, FL 33309  
Phone: (954) 334-2393

DATE: 6/27/2007  
A/C TSN: 187.5  
ENG TT: 187.5  
TACH: 187.5

**Engine Entries**

CHANGED OIL AND FILTER. SERVICED WITH 8 QTS AND CH48110-1 NEW FILTER. OIL FILTER WAS CUT OPEN AND INSPECTED FOR CONTAMINATION. ENGINE WAS GROUND RUN AND LEAK CHECKED OK

THIS ENGINE WAS GROUND RUN AND LEAK CHECKED OK. APPROVED FOR RETURN TO SERVICE ON THIS DATE. THIS RELEASE IN NO WAY CERTIFIES FUTURE AIRWORTHINESS

DATE: 6/27/2007      SIGNED:   
Sam Tavarez, A&P: 592465919

Work Order: 1306-06-2007  
Printed by EBis 3 (datcomedia.com)

INSTALLED NEW ALTERNATOR G082603

A&P 592465919

# AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETION
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD					
20 SEPT 07			TACH: 236.8		INSTALLED NEW GOODWEAR CUSTOM 15X6-6 MAIN TIRES INSPECTED AIRCRAFT IAW DIAMOND 100/300HR M/M
8 NOV 07			TACH 283.4		COMPLIED WITH SERVICE BULLETIN No. 0738 REV 1
01 DEC 2007			TACH 320.5		ANNUAL INSPECTION DUE. THE FOLLOWING WORK PERFORMED ELT INSPECTION & FUNCTIONAL CHECK REPLACEMENT BY JANUARY 2008. THE FOLLOWING LANDING GEAR LEGS INSPECTED IAW DIAMOND AIRCRAFT 200 HRS) AN2006-23-04 and 39-14016 DA-40 acft MSB-40-040/2 para 1.2, acft has more than 20 fuel shafts - N/A by acft serial number - A02006-23-04 N/A by propeller serial number. I certify that inspection using DIAMOND AIRCRAFT DA40 Maintenance airworthy condition. <i>Gettin &amp; Truenger</i>

<b>'Flight-Deck Avionics, LLC'</b>		180 N. 2400 W. Suite 205, Salt Lake City, UT 84116		CRS# F62R677Y	Form No. FD-009
Tail #: N230DS	Mfg: Diamond	Model: DA 40	Serial: 40.599		
This is A Permanent Logbook Entry:		Performed tests and inspections in accordance with FAR 43:	<input checked="" type="checkbox"/>	Appendix E to comply with FAR 91.411	
			<input checked="" type="checkbox"/>	Appendix F to comply with FAR 91.413	
UNIT	MFG	MODEL	PART #	SERIAL #	TEST ALTITUDE
Altimeter 1	Garmin	GDC 74		47805621	20,000'
Altimeter 2	United	6934P-3		60874	20,000'
Encoder/ADC	TCI	SSD120		60874	20,000'
Transponder 1	Garmin	GTX 33	011-00779-00	84701620	
Transponder 2					
Details are on file at this station under work order no. 2073.					
Signed: <i>Jan O. Aooden</i>			Date: 12/19/2007		
(CRS# F62R677Y)			Recertification Due: Dec. 2009		

January 30, 2008


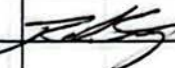
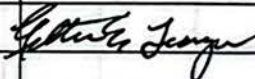
Installed new ELT batteries & DA 40  
tested and inspected IAW station 3 510 app.  
G of airworthiness manual and FAR 91.207  
(c) Battery due: January 2009


R.Strong A/P


*[Signature]* A3957097364

CARRIED FORWARD

# ENGINEERING RECORD

INSPECTION, REPAIRS & REPLACEMENT <small>TRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.</small>	SIGNATURE	LICENCE NUMBER
NEW BRAKE LINGS 066 H100, RE-BALANCED ALL BEARINGS IN WHEELS DETERMINED TO BE IN AIRWORTHY CONDITION.		AP5287764
TRANSIENT VOLTAGE SUPPRESSOR CHECK & INSPECTION. SUBMITTED TO DIAMOND		AP5287764
PERFORMED IN CONJUNCTION WITH A 100HR/ANNUAL INSPECTION; FAR 91.207(d) WITH SATISFACTORY RESULTS. OT BATTERY DUE ADs WERE COMPLIED WITH: AD 2007-17-06 and R 37-15164, NOSC MSB 40-04611 - no defects noted. Next due act IT 520.5 (each equipped with Garmin G1000 STC SA01254WE 1AW DIAMOND AIRCRAFT total time, no further action required. AD 2007-11-21 and 39-15078 07 and 39-14886 Hartzell propeller P/N HC- <del>0244</del> <sup>2.5A</sup> E2YR-1BF, aircraft has been inspected in accordance with a 100HR/ANNUAL checklist Doc # 6.02.01 Rev 4 and was determined to be in an		AP52875071A

<small>'Flight-Deck Avionics, LLC'</small> 369 N. 2370 W. Suite 102, Salt Lake City, UT 84116		<small>CRS# F62R677Y</small>	<small>Form No. FD-007</small>
Tail #: N230DS	Mfg: Diamond	Model: DA 40	Serial: 40.599
This Is A Permanent Logbook Entry:			
Removed Pilots PFD (Garmin GDU 1040A, P/N-011-00972-03, S/N-88900145). Installed exchange PFD (Garmin GDU 1040A, P/N-011-00972-03, S/N-88901668). Performed Software and Configuration file upload on PFD. Performed ground testing. All Work accomplished in accordance with Garmin G1000 System Maintenance Manual for the Diamond DA 40 P/N-190-00545-01. Ground tests check good.			
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. 2094.			
Signed: 		Date: 2/6/2008	
<small>(CRS# F62R677Y)</small>			

Tach. 412.7	312.2
installed new G1000 back-up battery manufactured 1/05 exp. 2018 Due 2/yr. 3/2010 P/N D41-2560-93-00 installed new inline fuses.	
R. Strong AP3301556	

# 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 COM</small>
	HRS.	MIN.	HRS.	MIN.	

**BROUGHT FORWARD**

Tach 423.2      N2300S      3 19 08

Installed new brake linings pin 088-1410  
 I certify this aircraft was inspected IAW  
 a Diamond 200hr inspection and determined  
 to be in airworthy condition.

R Strong AP3301556



Tach 519.7      N2300S      4 08 00  
 TTAF 2 3 7

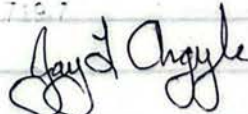
I certify that this aircraft was inspected  
 in accordance with Diamond Aircraft 100hr  
 inspection and was determined to be in  
 airworthy condition.

Jay D Chryle      A/P 2814036

Tach 519.7      N2300S      6 09 00  
 TTAF 5 19 7

Continued with AD 2007-10164 effective 2007-07-17  
 -17-46 in section and inspected  
 IAW 2007-10164 and MSE 2007-04617  
 defects found. Next Due @ Tach 719.7

Jay D Chryle      A/P 2814036



On 14/07/2008 the CRS/BARO  
 knobs on installed displays were  
 checked for interference with none  
 found per Garmin Service Alert  
 0824

*Ed Helmick*      CFI-MEI

522587806

Tach 613.4      TT 613.4      7 19 08

I certify this aircraft was inspected IAW a  
 Diamond 200hr inspection and was deter-  
 mined to be in airworthy condition.

R Strong AP3301556



# ENGINEERING RECORD

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

SIGNATURE

LICENCE  
NUMBER

N230DS

Tach 644.0    JT 441

Instalment fuel boost  
 5100-00-9 S/N 5915

Ran engine and checked  
 fuel boost pump operation  
 fuel boost pump operation  
 R. Strong AP3301556

*R. Strong*

*R. Strong*

Tach:779.0    N230DS    Nov.28 2008  
 Removed Dukes fuel boost pump S/N 5915  
 Installed repaired Dukes fuel boost pump  
 P/N 5100-00-9 S/N 6181 operation and leak  
 check o.k.  
 R. Strong AP3301556

*R. Strong*

MAKE: DIAMOND  
 MODEL: DA-40  
 S/N: 40.599  
 REG NO: N230DS  
 WORK ORDER:  
 Provo714-01-2009

**Million Air-Provo**  
 3421 Mike Jense Parkway  
 Provo, UT 84601  
 Phone: 801 898-6898

DATE: 1/26/2009  
 A/C TSN: 795.5  
 TACH: 795.5

**Airframe Entries**

AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION IAW PART 43, APPENDIX D AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.... ELT OPERATIONAL CHECKED SATISFACTORY PER FAR 91.207 d. BATTERY EXPIRATION DATE DECEMBER 2012.... ENGINE OIL DRAINED HOT. REMOVED OIL FILTER AND INSPECTED FOR CONTAMINATION. NONE FOUND. INSTALLED NEW OIL FILTER P/N CH48110-1 AND SAFETIED. SERVICED ENGINE WITH 8 QTS OF XC-20W-50. RAN AIRCRAFT. LEAK CHECK SATISFACTORY.... AD SEARCH C/W USING ATP REVISION 1/23/09.... AD 2007-17-06 INSPECTION OF THE NOSE LANDING GEAR LEG, NOT DUE AT THIS TIME. NEXT DUE AT 917.0 HRS TACH.... AD 2008-08-14 TO PREVENT A LEAN RUNNING ENGINE WHICH COULD RESULT IN A SUBSTANTIAL LOSS OF ENGINE POWER, CW BY VISUAL INSPECTION. NEXT DUE AT 845.5 HRS TACH.... AD 2008-14-07 TO PREVENT FAILURE OF THE FUEL INJECTION LINES, CW PER LYCOMING MSB 342E. CHECKED SATISFACTORY. NEXT INSPECTION DUE 895.5 HRS TACH.... TROUBLESHOT AIRCRAFT IGNITION SYSTEM, REMOVED (8) DEFECTIVE SPARK PLUGS P/N: REM38E, TESTED AND INSTALLED (8) NEW SPARK PLUGS P/N: REM38E. GROUND RUN OF AIRCRAFT CHECKS SATISFACTORY.

DATE: 1/26/2009

SIGNED:

*B. Hallsted*

Work Order: Provo714-01-2009

bhallsted, IA: A&P508137805IA

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# 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 COM</small>
	HRS.	MIN.	HRS.	MIN.	
<b>BROUGHT FORWARD</b>					

MAKE: DIAMOND  
MODEL: DA-40  
S/N: 40 599  
REG. NO: N230DS  
WORK ORDER:  
Provo736-02-2009

**Million Air-Provo**

3421 Mike Jense Parkway  
Provo, UT 84601  
Phone: 801 898-6898

DATE: 2/23/2009  
A/C TSN: 795.5  
TACH: 795.5

**Airframe Entries**

INSTALLED (2) CUSTOMER SUPPLIED CORNERSTONE AVIATION PLACARDS ON RH AND LH VERTICAL STAB...  
REMOVED LH MAIN TIRE P/N: 301-249-006, S/N: 72340216 AND INSTALLED NEW TIRE P/N: 301-249-006, S/N: 83070319  
IAW WITH DA-40 M.M.

DATE: 2/23/2009

SIGNED: *B. Hallssted*

Work Order: Provo736-02-2009

bhallssted, IA: A&P508137805IA

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MAKE: DIAMOND  
MODEL: DA-40  
S/N: 40 599  
REG. NO: N230DS  
WORK ORDER:  
Provo758-04-2009

**Million Air-Provo**

3421 Mike Jense Parkway  
Provo, UT 84601  
Phone: 801 898-6898

DATE: 4/14/2009  
A/C TSN: 795.5  
HOBBS: 1099.55

**Airframe Entries**

REMOVED DEFECTIVE LH AFT NAV. LIGHT P/N: A508-28 AND INSTALLED NEW BULB P/N: A508-28, OPERATIONAL  
CHECK SATISFACTORY.

DATE: 4/14/2009

SIGNED: *B. Hallssted*

Work Order: Provo758-04-2009

bhallssted, IA: A&P508137805IA

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MAKE: DIAMOND  
MODEL: DA-40  
S/N: 40 599  
REG. NO: N230DS  
WORK ORDER: 19136

**Million Air - Salt Lake City**

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

DATE: 7/6/2009  
A/C TSN: 865  
TACH: 865

**Airframe Entries**

NOSE GEAR FAIRING INSTALLED WITH LARGE AREA WASHERS ON SIDE SCREWS. WEIGHT AND BALANCE  
RECALULATED AND INSTALLED IN POH.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Million Air SLC Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Repair order

DATE: 7/6/2009

SIGNED: *Jimmy P. Jay*

Work Order: 19136

*Jay*  
Certified Repair Station No: K5SR339N

Printed by EBis 3 (datcomedia.com)

MAKE: DIAMOND  
MODEL: DA-40  
S/N: 40 599  
REG. NO: N230DS  
WORK ORDER: 19171

**Million Air - Salt Lake City**

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

DATE: 7/14/2009  
A/C TSN: 872.3  
TACH: 872.3

**Airframe Entries**

TROUBLESHOT AUX. FUEL PUMP INOP TO BAD PUMP. AUX. FUEL PUMP REMOVED P/N 5100-00-9 S/N 6181 AND  
INSTALLED A NEW FUEL PUMP P/N 5100-00-9 S/N 10016A. OPERATIONAL AND LEAK CHECK SATISFACTORY.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Million Air SLC Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Repair order

DATE: 7/14/2009

SIGNED: *Jimmy P. Jay*

Work Order: 19171

*Jay*  
Certified Repair Station No: K5SR339N

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MAKE DIAMOND  
MODEL DA-40  
S/N 40 599  
REG NO N230DS  
WORK ORDER: 19187

**Million Air - Salt Lake City**

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

DATE 8/27/2009  
A/C TSN: 072.3  
TACH: 572.3

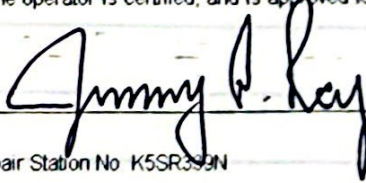
**Airframe Entries**

RUDDER ASSEMBLY P/N DA4-5540-00-00-1W INSTALLED. INSTALLED NEW RUDDER P/N DA4-5540-00-00-1W. RUDDER ASSY BALANCED BY DIAMOND INDUSTRIES. SEE WEIGHT AND BALANCE DRAWING # D4D-0810-00-00-1. OPERATIONAL CHECK SATISFACTORY.... RUDDER LOWER BONDING STRAP RING TERMINAL REMOVED AND REPLACED WITH NEW RING TERMINAL.... REPLACED SCREW FOR NOSE LANDING FAIRING.... BATTERY REMOVED TO SERVICE AND CHARGE. REINSTALLED BATTERY. OPERATIONAL CHECK SATISFACTORY.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the Million Air SLC General Maintenance Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Repair order

DATE: 8/27/2009

SIGNED:



Work Order: 19187

ray  
Certified Repair Station No K5SR339N

Printed by EBis 3 (datcomedia.com)

N Number: N230DS  
Model: DA40  
S/N: 40.599

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

(1) RUDDER REMOVAL AND REPLACEMENT.

Aircraft maintenance flight, flown satisfactory

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

Pilot



Cert.

3167572

Date

8-27-2009

SKYE BAKER

# AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD
	HRS.	MIN.	HRS.	MIN.	
<b>BROUGHT FORWARD</b>					


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

MAKE DIAMOND MODEL DA-40 S/N 40 599 REG. NO. N230DS WORK ORDER 19357	<b>Million Air - Salt Lake City</b> Repair Station No. K5SR339N 303 N 2370 W Salt Lake City, Utah 84116 Phone 801 359-2085	DATE 9/11/2009 A/C TSN 902 5 TACH 902 5
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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 HIS DATE AND TIME.... ELT OPERATIONAL CHECKED SATISFACTORY PER FAR 91.207d. BATTERY EXPIRATION DATE 01/31/10.... AD SEARCH C/W USING ATP REVISION 09/23/09.... TROUBLE SHOT ELEVATOR TRIM BINDS. FOUND ELEVATOR TRIM GUIDE BLOCK BINDING ON GUIDE SHAFT. ADJUSTED GUIDE BLOCK AND OPERATIONAL CHECKED FOR FUNCTION. OPERATIONAL CHECK SATISFACTORY.... INDUCTION FILTER REMOVED, CLEANED, AND REINSTALLED.... NOSE WHEEL FAIRING TRIMMED FOR TOW PINS.... NOSE STRUT RUBBER DONUTS REMOVED AND REPLACED WITH NEW ELEMENTS P/N DA4-9032-23-01.... 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 1102.5. EFFECTIVE DATE 06/17/09.... STRIPPED SCREWS REMOVED ON SEVERAL ACCESS PANELS.... RIGHT MLG WHEEL AND TIRE ASSY REMOVED. DISASSEMBLED WHEEL AND REMOVED TIRE P/N 15 X 6.00-6 S/N 72340204 AND INSTALLED NEW TIRE P/N 15 X 6.00-6 S/N 91477156. REASSEMBLED WHEEL AND TIRE AND SERVICED TO 36 PSI. REINSTALLED WHEEL AND TIRE ASSY. LEAK CHECK SATISFACTORY.... RIGHT MLG BRAKE LININGS REMOVED AND REPLACED WITH NEW LININGS P/N 066-14100.... LEFT MLG 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 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. 19357

DATE: 9/11/2009      SIGNED:       Work Order: 19357  
 Jay Certified Repair Station No. K5SR339N      Printed by EBis 3 (datcomedia.com)

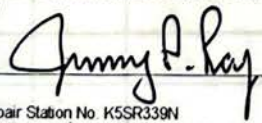
1 of 1

MAKE DIAMOND MODEL DA-40 S/N 40 599 REG. NO. N230DS WORK ORDER 19442	<b>Million Air - Salt Lake City</b> Repair Station No. K5SR339N 303 N 2370 W Salt Lake City, Utah 84116 Phone 801 359-2085	DATE 9/16/2009 A/C TSN 904 2 TACH 904 2
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**Airframe Entries**

REMOVED CO-PILOT SEAT, INSTALLED SEAT BELT RECEPTACLE AT ATTACH POINT, AND REINSTALLED CO-PILOT SEAT. 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. 19442

DATE: 9/16/2009      SIGNED:       Work Order: 19442  
 Jay Certified Repair Station No. K5SR339N      Printed by EBis 3 (datcomedia.com)

CARRIED FORWARD

# 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:** 40 599  
**REG. NO:** N230DS  
**WORK ORDER:** 19457

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

**DATE:** 9/21/2009  
**A/C TSN:** 904.2  
**TACH:** 904.2

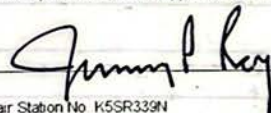
**Airframe Entries**

**FUEL TESTER PIECE RETRIEVED FROM THE L/H WING FUEL FILLER PORT.**

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. 19457

**DATE:** 9/21/2009

**SIGNED:**



**Work Order:** 19457

gray  
 Certified Repair Station No. K5SR339N

Printed by EBis 3 (datcomedia.com)

**MAKE:** DIAMOND  
**MODEL:** DA-40  
**S/N:** 40 599  
**REG. NO:** N230DS  
**WORK ORDER:** 19515

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

**DATE:** 10/5/2009  
**A/C TSN:** 918.3  
**TACH:** 918.3

**Airframe Entries**

**INSTALLED NEW NOSE GEAR FAIRING SCREWS P/N ISO73080-MX5X16-A2 (6 EACH).**

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. 19515

**DATE:** 10/5/2009

**SIGNED:**



**Work Order:** 19515

gray  
 Certified Repair Station No. K5SR339N

Printed by EBis 3 (datcomedia.com)

**MAKE:** DIAMOND  
**MODEL:** DA-40  
**S/N:** 40 599  
**REG. NO:** N230DS  
**WORK ORDER:** 19504

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

**DATE:** 9/28/2009  
**A/C TSN:** 912.9  
**TACH:** 912.9

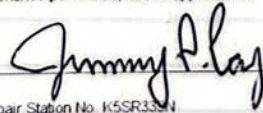
**Airframe Entries**

**LANDING LIGHT REMOVED AND REPLACED WITH A NEW LIGHT P/N 01-0770346-01. OPERATIONAL CHECK SATISFACTORY.... R/H REAR POSITION LIGHT REMOVED AND REPLACED WITH A NEW LIGHT P/N 34-0428070-64. 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. 19504

**DATE:** 9/28/2009

**SIGNED:**



**Work Order:** 19504

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 COMPLETION</small>
	HRS.	MIN.	HRS.	MIN.	
<b>BROUGHT FORWARD</b>					

MAKE DIAMOND  
MODEL DA-40  
S/N 40 599  
REG NO N230DS  
WORK ORDER 19518

**Million Air - Salt Lake City**

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

DATE 10/6/2009  
A/C TSN 916 3  
TACH 916 3

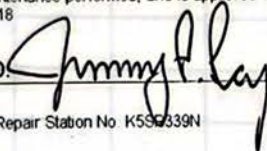
**Airframe Entries**

**BATTERY REMOVED. SERVICED AND CHARGED. REINSTALLED BATTERY. 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. 19518

DATE: 10/6/2009

SIGNED:



Work Order: 19518

Printed by EBis 3 (datcomedia.com)

gray  
Certified Repair Station No. K5SR339N

MAKE DIAMOND  
MODEL DA-40  
S/N 40 599  
REG NO N230DS  
WORK ORDER 19532

**Million Air - Salt Lake City**

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

DATE 10/9/2009  
A/C TSN 922 6  
TACH 922 6

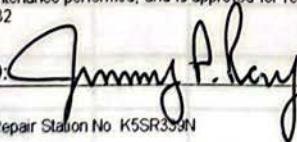
**Airframe Entries**

**PILOT STICK GRIP RESECURED TO SHAFT.**

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. 19532

DATE: 10/9/2009

SIGNED:



Work Order: 19532

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gray  
Certified Repair Station No. K5SR339N

MAKE DIAMOND  
MODEL DA-40  
S/N 40 599  
REG NO N230DS  
WORK ORDER 19557

**Million Air - Salt Lake City**

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

DATE 10/19/2009  
A/C TSN 941 9  
TACH 941 9

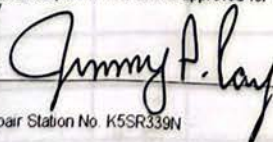
**Airframe Entries**

**SEVERAL SCREW REPLACED ON THE NLG FAIRING WITH NEW SCREWS P/N RC0805033.**

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. 19557

DATE: 10/19/2009

SIGNED:



Work Order: 19557

Printed by EBis 3 (datcomedia.com)

gray  
Certified Repair Station No. K5SR339N

CARRIED FORWARD

**'Flight-Deck Avionics, LLC'** 369 N. 2370 W. Suite 102, Salt Lake City, UT 84116 CRS# F62R677Y Form No. FD-007

Tail #: N230DS Mfg: Diamond Model: DA40 Serial: 40.599

This Is A Permanent Logbook Entry:

Troubleshoot altitude being off at field. Found air data computer needs calibration. Removed GDC 74A p/n 011-00882-00 s/n 47805621 for bench calibration. Performed Calibration of Garmin GDC 74A Air Data Computer per Garmin Field Calibration Tool Instructions p/n 190-00303-82 Rev. B dated Oct, 2007. Installed GDC 74A p/n 011-00882-00 s/n 47805621 and tested IAW FAR 43 Appendix E. 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. 1391.

Signed: Matth Duke Date: 10/30/09  
(CRS# F62R677Y)

**'Flight-Deck Avionics, LLC'** 369 N. 2370 W. Suite 102, Salt Lake City, UT 84116 CRS# F62R677Y Form No. FD-009

Tail #: N230DS Mfg: Diamond Model: DA40 Serial: 40.599

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	GDU 1040	011-00972-03	88901668	20K
Altimeter 2	United Instru	20K A.130	5934PD-3	449675	20K
Encoder/ADC	Garmin	GDC 74A	011-00882-00	47805621	20K
Transponder 1	Garmin	GTX 33	011-00779-00	84701620	20K
Transponder 2	NA				

Details are on file at this station under work order no. 1391.

Signed: Matth Duke Date: 10/30/09  
(CRS# F62R677Y) Recertification Due: 10/2011

MAKE: DIAMOND  
MODEL: DA-40  
S/N: 40 599  
REG. NO: N230DS  
WORK ORDER: 19597

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

DATE 10/30/2009  
AVC TSN 948 1  
TACH 948 1

**Airframe Entries**

TROUBLESHOT MAP LIGHTS INOP. REMOVED LIGHTS AND CLEANED TERMINALS. OPERATIONAL CHECK SATISFACTORY.... TROUBLESHOT VARIOUS INSTRUMENT LIGHTS INOP. TROUBLE SHOT WITH TECH SUPPORT ASSISTANCE, TO DIMMER SWITCH. REMOVED DIMMER SWITCH AND SOLDERED NEW SWITCH P/N KKS345021R25 AND REINSTALLED. OPERATIONAL CHECK SATISFACTORY.... NLG FAIRING SCREWS REMOVED. THREAD CHASED 2 OF THE SCREW HOLES. REINSTALLED FAIRING USING LOCK TIGHT AND SPLIT WASHERS ON SCREWS.

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. 19597

DATE: 10/30/2009

SIGNED: Jimmy P. Ray  
jray  
Certified Repair Station No. K5SR339N

Work Order: 19597

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 COMPLETION</small>
	HRS.	MIN.	HRS.	MIN.	
<b>BROUGHT FORWARD</b>					

MAKE DIAMOND  
MODEL DA-40  
S/N 40 599  
REG NO N230DS  
WORK ORDER 19685

**Million Air - Salt Lake City**

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

DATE: 11/11/2009  
A/C TSN 959.4  
TACH 959.4

**Airframe Entries**

NOSE WHEEL TIRE REMOVED P/N 505C61-8 S/N 51450653, TYPE: FLIGHT SPECIAL II, AND MODEL: 5.00X5X6 PLY AND REPLACED WITH A NEW TIRE P/N 505C61-8 S/N 91007148, TYPE: FLIGHT SPECIAL II, AND MODEL: 5.00X5X6 PLY. INFLATED TIRE TO 30 PSI. LEAK AND 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. 19685.

DATE: 11/11/2009

SIGNED: 

Work Order: 19685

Printed by EBis 3 (datcomedia.com)

JPR  
Certified Repair Station No. K5SR339N

MAKE DIAMOND  
MODEL DA-40  
S/N 40 599  
REG NO N230DS  
WORK ORDER 19968

**Million Air - Salt Lake City**

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

DATE: 1/21/2010  
A/C TSN 1001.5  
TACH 1001.5

**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 91.207(d). BATTERY PACK EXPIRATION DATE MARCH 2016.... AD SEARCH CWV USING ATP REVISION 02/10/10. SEE AD REPORT PRINTED 01/20/10.... STRIPPED SCREW REMOVED FROM RT UPPER WING TIP.... STRIPPED SCREW REMOVED FROM RT WING O/B LANDING GEAR ACCESS PANEL.... STRIPPED SCREWS REMOVED FROM LT WING O/B LANDING GEAR ACCESS PANEL.... ELT BATTERIES REMOVED AND REPLACED WITH NEW DURACELL BATTERIES P/N MN1300. EXPIRATION DATE MARCH 2016. OPERATIONAL CHECK SATISFACTORY PER FAR 91.207d.... AFT ENTRY DOOR PUSH BUTTON RELEASE TIGHTENED. OPERATIONAL CHECK SATISFACTORY.... SCREWS IN WINGTIP, WING PANEL, FAIRINGS, FUSELAGE ALL REPLACED.... NUTPLATE ON LEFT WINGTIP REMOVED AND REPLACED WITH NEW NUTPLATE P/N MS21059L3 AND RIVETS P/N S1972-4.

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. 19968.

DATE: 1/21/2010

SIGNED: 

Work Order: 19968

Printed by EBis 3 (datcomedia.com)

JPR  
Certified Repair Station No. K5SR339N

MAKE: DIAMOND  
MODEL: DA-40  
S/N: 40 599  
REG. NO: N230DS  
WORK ORDER: 19978

**Million Air - Salt Lake City**

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

DATE: 1/22/2010  
A/C TSN: 1004  
TACH: 1004

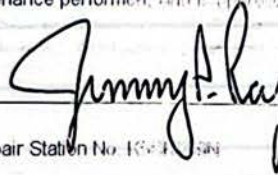
**Airframe Entries**

TROUBLESHOT ELECTRICAL AND CRANKING SYSTEM, FOUND LOW VOLTAGE. CHARGED AND TESTED BATTERY, BATTERY FAILED SPECIFIC GRAVITY CHECK. REMOVED BATTERY P/N G-243 S/N G02385683. SERVICED, CHARGED, AND INSTALLED NEW BATTERY P/N G-243 S/N G02301703. 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. 19978

DATE: 1/22/2010

SIGNED:



Work Order: 19978

Jray  
Certified Repair Station No. K5SR339N

Printed by EBis 3 (datcomedia.com)

MAKE: DIAMOND  
MODEL: DA-40  
S/N: 40 599  
REG. NO: N230DS  
WORK ORDER: 20300

**Million Air - Salt Lake City**

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

DATE: 4/22/2010  
A/C TSN: 1098.3  
TACH: 1098.3

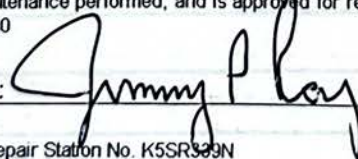
**Airframe Entries**

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 91.207(d). BATTERY PACK EXPIRATION DATE MARCH 2016.... AD SEARCH C/W USING ATP REVISION 05/05/10. SEE AD REPORT PRINTED 04/29/10.... INDUCTION AIR FILTER REMOVED, CLEANED, AND REINSTALLED.... AFT RADIO JACK SECURED. OPERATIONAL CHECK SATISFACTORY.... RIGHT MLG BRAKE LININGS REMOVED AND REPLACED WITH NEW LININGS P/N 066-14100.... LEFT MLG BRAKE LININGS REMOVED AND REPLACED WITH NEW LININGS P/N 066-14100.... AD 2009-10-04, TO DETECT AND CORRECT CRACKS IN NOSE LANDING GEAR STRUT, C/W PER PAR (f)(1)(2)(i) and (ii). BY REPLACEMENT OF THE NLG LEG P/N: D41-3223-10-00-1. THIS TERMINATES THE REPETITIVE INSPECTION. EFFECTIVE DATE 07/17/2009... NLG STRUT REMOVED AND REPLACED WITH NEW STRUT ASSY P/N: D41-3223-10-00-1. WORK DONE IAW DA 40 MM CH: 32-20-00.... NLG LOWER ELASTOMER PUCK REMOVED AND REPLACED WITH A NEW PUCK P/N W2\_8000-32X40. REF: DIAMOND DA 40 MM CH: 32-20-00.

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. 20300

DATE: 4/22/2010

SIGNED:



Work Order: 20300

Jray  
Certified Repair Station No. K5SR339N

Printed by EBis 3 (datcomedia.com)

1 of 1

MAKE: DIAMOND  
MODEL: DA-40  
S/N: 40 599  
REG. NO: N230DS  
WORK ORDER: 20391

**Million Air - Salt Lake City**

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

DATE: 4/26/2010  
A/C TSN: 1102.7  
TACH: 1102.7

**Airframe Entries**

ELEVATOR PITCH/TRIM WHEEL FRICTION NUT ADJUSTED PER DA-40 M.M. 27-00 AND AFT FRICTION FOLLOWER AT TRIM TAB, FRICTION ADJUSTED PER DA-40 M.M. 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. 20391

DATE: 4/26/2010

SIGNED:



Work Order: 20391

Jray  
Certified Repair Station No. K5SR339N

Printed by EBis 3 (datcomedia.com)

MAKE: DIAMOND  
MODEL: DA-40  
S/N: 40 599  
REG. NO: N230DS  
WORK ORDER: 20459

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

DATE: 5/19/2010  
A/C TSN: 1128  
TACH: 1128

**Airframe Entries**

**TROUBLESHOT FLAP UP INDICATOR LIGHT IS INOP. FOUND LIGHT BULB BAD. REMOVED AND REPLACED LAMP P/N T4.6 24-20. 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. 20459

DATE: 5/19/2010

SIGNED:

*Jimmy P. Ray*  
C Certified Repair Station No. K5SR339N

Work Order: 20459

Printed by EBis 3 (datcomedia.com)

MAKE: DIAMOND  
MODEL: DA-40  
S/N: 40 599  
REG. NO: N230DS  
WORK ORDER: 20469

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

DATE: 5/26/2010  
A/C TSN: 1147  
TACH: 1147

**Airframe Entries**

**RT MLG TIRE VALVE STEM TIGHTNED. SERVICED TIRE 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 Repair order No. 20469

DATE: 5/26/2010

SIGNED:

*Jimmy P. Ray*  
C Certified Repair Station No. K5SR339N

Work Order: 20469

Printed by EBis 3 (datcomedia.com)

MAKE: DIAMOND  
MODEL: DA-40  
S/N: 40 599  
REG. NO: N230DS  
WORK ORDER: 20519

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

DATE: 5/27/2010  
A/C TSN: 1147  
TACH: 1147

**Airframe Entries**

**RT MLG WHEEL AND TIRE ASSY REMOVED. DISASSEMBLED WHEEL ASSY. REMOVED TUBE P/N 15 X 600-TUBE AND INSTALLED NEW TUBE P/N 15 X 600-TUBE. RE-ASSEMBLED WHEEL ASSY., TORQUED WHEEL HALVES TO 150 IN. LBS. AND SERVICED TIRE TO 36 PSI. INSTALLED WHEEL AND TIRE ASSY. TORQUED BRAKE TIE BOLTS TO 80 IN. LBS. AND SAFETIED AXLE NUT. 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 Repair order No. 20519

DATE: 5/27/2010

SIGNED:

*Jimmy P. Ray*  
C Certified Repair Station No. K5SR339N

Work Order: 20519

Printed by EBis 3 (datcomedia.com)

REG NO N230DS **CHANDLER AVIATION INC** DATE 06/08/10  
 MODEL DA40 **CHANDLER MUNICIPAL** WO# 47360  
 S/N 40.599 **CHANDLER, AZ** HOBBS 1561.9  
 ENG MOD XXXXXXXX **(480) 732-9118** TSO XXXXX  
 ENG S/N XXXXXXXX **TOTAL UNKNOWN**

THE AIRCRAFT AND/OR COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AIR REGULATIONS AND WAS FOUND AIRWORTHY FOR RETURN TO SERVICE ON THE DATE STATED. ALL REPAIR AND INSPECTION DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY.

SIGNATURE  AUTH. NO. 3130830 A&P

Remove and replace L/H MLG tire tube with new. Ops check satisfactory.

END

MAKE: DIAMOND  
 MODEL: DA-40  
 S/N: 40 599  
 REG NO: N230DS  
 WORK ORDER: 20540

**Million Air - Salt Lake City**

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

DATE: 6/18/2010  
 A/C TSN: 1196  
 TACH: 1196

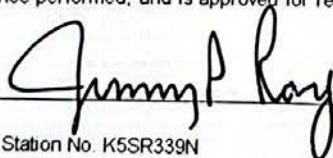
**Airframe Entries**

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 91.207(d). BATTERY PACK EXPIRATION DATE MARCH 2016.... AD SEARCH CW USING AIR REVISION 06/15/10. SEE AD REPORT PRINTED 06/16/10.... CO-PILOTS LEFT RUDDER PEDAL RETURN SPRING REPLACED WITH NEW SPRING P/N MS24586C207.... PILOTS CONTROL YOKE GRIP RESECURED.... (2) GROUNDS STRAPS FOR RUDDER REMOVED AND REPLACED BY FABRICATING. AND INSTALLING NEW STRAPS.... LH MLG BRAKE DISC IS WEARED AND REPLACED WITH A NEW DISC P/N 164-24400. TORQUED WHEEL HALF BOLTS TO 150 IN. LBS. SERVICED TIRE PRESSURE TO SPECS. LEAK CHECK SATISFACTORY.... R/H MLG BRAKE DISC REMOVED AND REPLACED WITH A NEW DISC P/N 164-24400. TORQUED WHEEL HALF BOLTS TO 150 IN. LBS. SERVICED TIRE PRESSURE TO SPECS. LEAK CHECK SATISFACTORY.... HEAT MUFF SHROUD SUPPORT BRACKET REMOVED P/N D41-7806-70-01, AND INSTALLED NEW BRACKET P/N D41-7806-70-01.... NOSE WHEEL CASTERING FRICTION NUT TORQUED TO 11.25 LB. IAW DA 40 AMM 32-20-00 PAGE 207.... LEFT WING TIP AFT NAV LIGHT REMOVED AND REPLACED WITH NEW LAMP P/N A508-28. OPERATIONAL CHECK SATISFACTORY.... INDUCTION AIR FILTER REMOVED, CLEANED, AND REINSTALLED.... EMERGENCY BATTERY VOLTAGE CHECKED BY MEASURING VOLTAGE AT EMERGENCY SWITCH 38.88 VOLTS. CHECKED SATISFACTORY... R/H BRAKE LININGS REMOVED AND REPLACED WITH NEW LININGS P/N 066-14100 USING NEW RIVETS P/N 105-2. BRAKE PRESSURE PLATE TIE BOLTS TORQUED TO 90 IN. LBS.... L/H BRAKE LININGS REMOVED AND REPLACED WITH NEW LININGS P/N 066-14100 USING NEW RIVETS P/N 105-2. BRAKE PRESSURE PLATE TIE BOLTS TORQUED TO 90 IN. LBS... RIGHT AFT SEAT BELT UPPER SPOOL REMOVED, TWIST CORRECTED, INSTALLED UPPER SPOOL, 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. 20540

DATE: 6/18/2010

SIGNED:



Work Order: 20540

jr  
 Certified Repair Station No. K5SR339N

Printed by EBis 3 (datcomedia.com)

MAKE: DIAMOND  
 MODEL: DA-40  
 S/N: 40 599  
 REG NO: N230DS  
 WORK ORDER: 20600

**Million Air - Salt Lake City**

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

DATE: 6/29/2010  
 A/C TSN: 1218.3  
 TACH: 1218.3

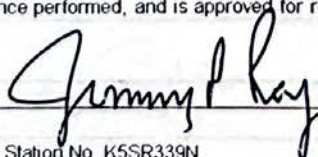
**Airframe Entries**

RT WING TIE DOWN RING INSTALLED P/N 405630 USING A NEW RUBBER GASKET P/N 106631.... LT WING TIE DOWN RING REMOVED AND REINSTALLED USING A NEW RUBBER GASKET P/N 106631.

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. 20600

DATE: 6/29/2010

SIGNED:



Work Order: 20600

jr  
 Certified Repair Station No. K5SR339N

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# AIR TIME AND LOGS

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.	
<b>BROUGHT FORWARD</b>					

MAKE DIAMOND  
MODEL DA-40  
S/N 40 599  
REG NO N230DS  
WORK ORDER 20609

**Million Air - Salt Lake City**

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

DATE: 6/29/2010  
A/C TSN 1218 3  
TACH 1218 3

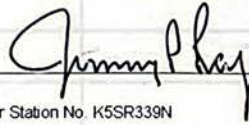
**Airframe Entries**

TROUBLESHOT LEFT STROBE LIGHT INOP TO A BAD FLASHTUBE. LT FLASHTUBE REMOVED AND REPLACED WITH A NEW FLASHTUBE P/N 02-0250276-00. OPERATIONAL CHECK SATISFACTORY.... LANDING LIGHT REMOVED AND REPLACED WITH A NEW LIGHT P/N 01-0770346-01. OPERATIONAL CHECK SATISFACTORY.... 2 NUT PLATES ON LEFT WING TIP RE-TAPPED.... LEFT POSITION LIGHT REMOVED AND REPLACED WITH A NEW LIGHT P/N MS25309-7512. 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. 20609

DATE: 6/29/2010

SIGNED:



Work Order: 20609

J.P. Ray  
Certified Repair Station No. K5SR339N

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MAKE DIAMOND  
MODEL DA-40  
S/N 40 599  
REG NO N230DS  
WORK ORDER 20712

**Million Air - Salt Lake City**

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

DATE: 7/20/2010  
A/C TSN 1253 6  
TACH 1253 6

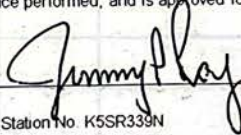
**Airframe Entries**

LEFT MAIN WHEEL AND TIRE ASSY REMOVED . REMOVED TUBE, INFLATED, FOUND LEAK. CHECKED TIRE FOR F.O.D. NOTHING NOTED, INSTALLED NEW TUBE P/N 15X6X6, ASSEMBLED WHEEL ASSY, TORQUED WHEEL HALF NUTS TO 150 IN. LBS. SERVICED WHEEL ASSY TO 36 PSI. LEAK CHECK SATISFACTORY. INSTALLED WHEEL ASSY, TORQUED BRAKE TIE NUTS TO 85 IN. LBS. 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. 20712

DATE: 7/20/2010

SIGNED:



Work Order: 20712

J.P. Ray  
Certified Repair Station No. K5SR339N

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MAKE DIAMOND  
MODEL DA-40  
S/N 40 599  
REG NO N230DS  
WORK ORDER 20732

**Million Air - Salt Lake City**

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

DATE: 8/3/2010  
A/C TSN 1278 6  
TACH 1278 6

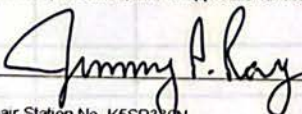
**Airframe Entries**

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. 20732

DATE: 8/3/2010

SIGNED:



Work Order: 20732

J.P. Ray  
Certified Repair Station No. K5SR339N

Printed by EBis 3 (datcomedia.com)

CARRIED FORWARD

MAKE DIAMOND  
MODEL DA-40  
S/N 40 599  
REG NO N230DS  
WORK ORDER 20813

**Million Air - Salt Lake City**

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

DATE 9/22/2010  
A/C TSN 1278 6  
TACH 1278 6

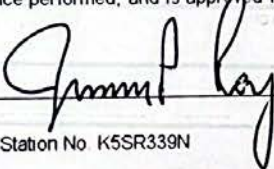
**Airframe Entries**

TROUBLESHOT METALLIC RATTLE UNDER COWL AT 900-1200 RPM. INSPECTED POWERPLANT AND FOUND MUFFLER INNER BAFFLING DETERIORATED AND FALLING APART. REMOVED MUFFLER P/N D40-7, SENT OUT FOR REPAIR TO KNISLEY EXHAUST SYSTEM CRS # NJER7123L UNDER THEIR W.O. # 135732. DATED 9-20-10. INSTALLED MUFFLER P/N D40-7, IAW DIAMOND AIRCRAFT DA-40 SERIES AMM CHAP 78-00-00. RAN A/C, OPERATIONAL AND LEAK CHECK SATISFACTORY.... BATTERY REMOVED FOR CHARGING, CHARGED TO 24 V, INSTALLED BATTERY, 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. 20813

DATE: 9/22/2010

SIGNED:



Work Order: 20813

jrj

Certified Repair Station No. K5SR339N

Printed by EBis 3 (datcomedia.com)

MAKE DIAMOND  
MODEL DA-40  
S/N 40 599  
REG NO N230DS  
WORK ORDER 21058

**Million Air - Salt Lake City**

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

DATE 10/7/2010  
A/C TSN 1294 1  
TACH 1294 1

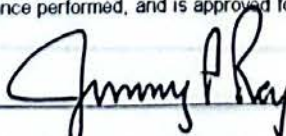
**Airframe Entries**

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 91.207(d). BATTERY PACK EXPIRATION DATE MARCH 2016.... AD SEARCH C/W USING ATP REVISION 10/04/10. SEE AD REPORT PRINTED 10/06/10.... ESSENTIAL BUSS 1000 HOUR CHECK OF BOTH ENDS OF EACH WIRE CONNECTED TO THE BATTERY RELAY FOR INSECURE CONNECTION C/W. NO DEFECTS NOTED.... 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 NOV 2019.... AIRCRAFT LUBRICATION C/W PER DA40 AMM CHAPTER 12-20-00.... L/H MLG TIRE REMOVED P/N 072-449-0, S/N 3926W00185, MAKE: CONDOR, AND MODEL: 15-6.00X 6 PLY AND REPLACED WITH A NEW TIRE P/N 33031, S/N B5F40710, MAKE: AIRHAWK, AND MODEL: 15-6.00 X 6PLY. TORQUED WHEEL HALF NUTS TO 150 IN. LBS AND SERVICED TIRE TO 36 PSI. INSTALLED WHEEL ASSY. AND TORQUED BRAKE TIE NUTS TO 80 IN. LBS. LEAK CHECK SATISFACTORY.... R/H MLG TIRE REMOVED P/N 15X6.00-6 S/N 91477156 AND INSTALLED A NEW TIRE P/N 15X6.00-6 AIR HAWK S/N BF540710. TORQUED WHEEL HALF NUTS TO 150 IN. LBS AND SERVICED TIRE TO 36 PSI. INSTALLED WHEEL ASSY. AND TORQUED BRAKE TIE NUTS TO 80 IN. LBS. LEAK CHECK SATISFACTORY.... INDUCTION AIR FILTER REMOVED, CLEANED, AND REINSTALLED.... L/H 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. 21058

DATE: 10/7/2010

SIGNED:



Work Order: 21058

jrj

Certified Repair Station No. K5SR339N

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Kings Avionics, Inc. 237 NORTH 2370 WEST SALT LAKE CITY, UTAH 84116 KD6R661N  
LOG ID# 2907 07-October-2010 WO# 31662/1 AC TT 1712.5  
N230DS S/N 40.599 DIAMOND AIRCRAFT IND DA 40

Pg 1 / 1

THIS IS A PERMANENT LOGBOOK ENTRY :

DISCREPANCY: BONDING SYSTEM AND STATIC DISCHARGING SYSTEM DUE 1000 HOUR RESISTANCE MEASUREMENTS  
ACTION: Performed bonding & static discharge system tests IAW the Diamond DA-40 AMM, 51-30-00.  
Systems tested 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 #31662.

 10/7/10  
Signed: Date



MAKE DIAMOND  
MODEL DA-40  
S/N 40 599  
REG NO N230DS  
WORK ORDER: 21164

### Million Air - Salt Lake City

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

DATE: 10/29/2010  
A/C TSN 1334 6  
TACH. 1334 6

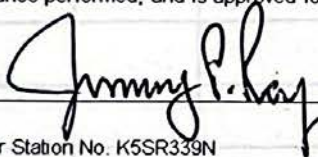
#### Airframe Entries

LEFT REAR NAV LIGHT FILAMENT REMOVED AND REPLACED WITH A NEW FILAMENT P/N A 508-28. 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 Repair order No. 21164

DATE: 10/29/2010

SIGNED:



Work Order: 21164

JRay  
Certified Repair Station No. K5SR339N

Printed by EBis 3 (datcomedia.com)

MAKE DIAMOND  
MODEL DA-40  
S/N 40 599  
REG NO: N230DS  
WORK ORDER: 21211

### Million Air - Salt Lake City

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

DATE: 11/5/2010  
A/C TSN 1341 5  
TACH 1341 5

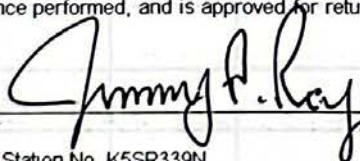
#### Airframe Entries

TAXI LIGHT REMOVED P/N 01-0770346-01, AND INSTALLED NEW TAXI LIGHT P/N 01-0770346-01. REF: DIAMOND DA-40 M.M. CHAP 33 SEC 201. 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. 21211

DATE: 11/5/2010

SIGNED:



Work Order: 21211

JRay  
Certified Repair Station No. K5SR339N

Printed by EBis 3 (datcomedia.com)

MAKE DIAMOND  
MODEL DA-40  
S/N 40 599  
REG NO: N230DS  
WORK ORDER: 21257

### Million Air - Salt Lake City

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

DATE: 11/30/2010  
A/C TSN 1352 2  
TACH. 1352 2

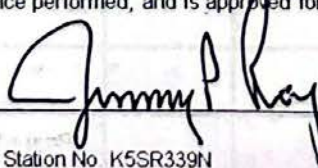
#### Airframe Entries

TROUBLESHOT ALTERNATOR HAS LOW/NO OUTPUT. FOUND LOW FIELD VOLTAGE TO ALTERNATOR (5.56 V), REPLACED VOLTAGE REGULATOR WITH NEW P/N VR2000-28-1 S/N 1101155. AFTER INSTALLTION FOUND 0 VOLTAGE AT FIELD CONNECTION, TROUBLE SHOT, NO HELP. CONTACTED KELLY AEROSPACE TECH REP AND FOLLOWED TROUBLE SHOOTING INSTRUCTIONS, FOUND BAD GROUND AT VOLTAGE REGULATOR MOUNT, CORRECTED GROUND AT VOLTAGE REGULATOR MOUNT. VERIFIED BATTERY BUS VOLTAGE AT FIELD AND FOUND SATISFACTORY. OPERATIONAL CHECK SATISFACTORY.... BATTERY REMOVED, CHARGED, AND TESTED. NO DEFECTS NOTED THIS DATE. REINSTALLED BATTERY. 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. 21257

DATE: 11/30/2010

SIGNED:



Work Order: 21257

JRay  
Certified Repair Station No. K5SR339N

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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 40 599  
 REG NO N230DS  
 WORK ORDER 21342

**Million Air - Salt Lake City**

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

DATE: 12/3/2010  
 A/C TSN 1352 2  
 TACH: 1352 2


**Airframe Entries**

**ALTERNATOR P/N ALU-8521RS S/N G082603 REMOVED. INSTALLED OVERHAULED ALTERNATOR P/N ALX-8521LS S/N J040050. OVERHAULED BY KELLY AEROSPACE TECHNOLOGY SYSTEMS CRS # UT2R228L UNDER THEIR W.O. M143320 DATED APR 17 2009. 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 inspector(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. 21342

DATE: 12/3/2010

SIGNED:



Work Order: 21342

JPL  
 Certified Repair Station No K5SR339N

Printed by EBis 3 (datcomedia.com)

MAKE DIAMOND  
 MODEL DA-40  
 S/N 40 599  
 REG NO N230DS  
 WORK ORDER 21379

**Million Air - Salt Lake City**

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

DATE: 1/19/2011  
 A/C TSN 1374  
 TACH: 1374

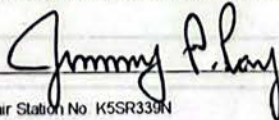
**Airframe Entries**

**NEW RUDDER CABLE KIT P/N CS KIT-04 INSTALLED PER DIAMOND DA-40 AMM 27-20-00. CABLES SWAGE DONE IAW FAA AC 43.13-1B, CHAPTER 7 SECTION 8 USING CROMPTON GAUGE FOR 1/8 INCH NICOPRSS OVAL SLEEVE. ADJUSTED RUDDER CABLE TENSION PER DA-40 AMM 00-40-00. OPERATION SATISFACTORY.... NLG TIRE TUBE REMOVED AND REPLACED WITH A NEW TUBE P/N 5.00 X 5-11.3 - WHEEL HALF HARDWARE TORQUED TO 90 IN LBS. TIRE PRESSURE SERVICED TO 29 PSI. AXLE NUT SAFETIED WITH A NLW COTTER PIN. LEAK CHECK SATISFACTORY. REF: MM CHAPTERS 12-10-00 AND 32-40-00.... STRIPPED SCREWS FROM HORIZONTAL FAIRING REMOVED AND REPLACED WITH SERVICABLE SCREWS.**

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 inspector(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. 21379

DATE: 1/19/2011

SIGNED:



Work Order: 21379

JPL  
 Certified Repair Station No K5SR339N

Printed by EBis 3 (datcomedia.com)

MAKE DIAMOND  
 MODEL DA-40  
 S/N 40 599  
 REG NO N230DS  
 WORK ORDER 21817

**Million Air - Salt Lake City**

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

DATE: 3/25/2011  
 A/C TSN 1402 3  
 HOURS: 1862 8

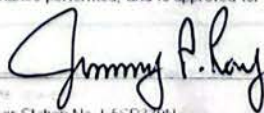
**Airframe Entries**

**METALLIC GRINDING NOISE TROUBLESHOT. FOUND STARTER HOUSING BROKEN. REMOVED STARTER P/N 149-24LS S/N F4L-280511. INSTALLED NEW STARTER P/N 149-24LS S/N F4L-430709. OPERATIONAL CHECK SATISFACTORY. REF: DIAMOND DA-40 M.M. CHAP 80-00-00.**

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 inspector(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. 21817

DATE: 3/25/2011

SIGNED:



Work Order: 21817

JPL  
 Certified Repair Station No K5SR339N

Printed by EBis 3 (datcomedia.com)

MAKE DIAMOND  
MODEL DA-40  
S/N 40 599  
REG NO N230DS  
WORK ORDER 21666

### Million Air - Salt Lake City

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

DATE 3/3/2011  
A/C TSN 1394 2  
TACH 1394 2

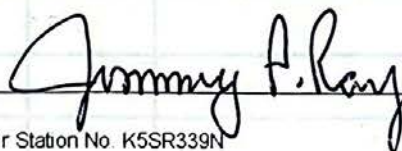
#### Airframe Entries

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 IAW FAR 91.207D. BATTERY EXPIRATION DATE MARCH 2016... AD SEARCH C/W USING ATP REVISION 02/24/11. SEE AD REPORT PRINTED 03/04/11.... AD 2010-25-01 TO CHANGE THE EMERGENCY OPEN DOORS PROCEDURE AND RETROFIT THE REAR PASSENGER DOOR RETAINING BRACKET NOT COMPLIED WITH AT THIS DATE. PARTS ON ORDER. AD DUE BY 06/11/11. EFFECTIVE DATE 01/11/11.... AIRCRAFT LUBRICATION PER DA40 AMM CHAPTER 12-20-00 COMPLIED WITH.... #4 EXHAUST FLANGE REMOVED, REPAIRED, AND RE-INSTALLED.... INDUCTION AIR FILTER CLEANING C/W.... LEFT WING FLAP BONDING STRAP RING TERMINAL REMOVED AND REPLACED WITH A NEW TERMINAL P/N 12-16 AWG .... TROUBLESHOT EXCESSIVE VIBRATION ON NOSE GEAR. STEERING FRICTION TEST WITH PULL SCALE C/W AND FOUND NOSE WHEEL STEERING FRICTION AT 3.00 LB. TIGHTENED LOWER NUT TO ACHIEVE 11.25 LB. FURTHER TROUBLESHOT AND FOUND EXCESSIVE PLAY AT TOP GEAR BUSHING JOURNALS. TOP GEAR BUSHING JOURNALS SHIMMED AS NECESSARY. REF:DIAMOND DA-40 M.M. CHAP 32-20-00.

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. 21666

DATE: 3/3/2011

SIGNED:



Work Order: 21666

JRay

Certified Repair Station No. K5SR339N

Printed by EBis 3 (datcomedia.com)

MAKE DIAMOND  
MODEL DA-40  
S/N 40 599  
REG NO N230DS  
WORK ORDER 22067

### Million Air - Salt Lake City

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

DATE 6/1/2011  
A/C TSN 1479 9  
TACH 1479 9

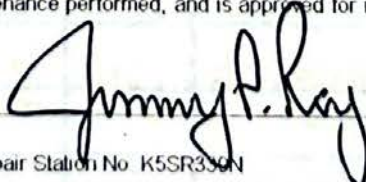
#### Airframe Entries

TROUBLESHOT AND TESTED STROBE POWER SUPPLY AND LAMP. FOUND BLOWN LAMP AND INTERMITTENT FAULT IN POWER SUPPLY. REMOVED AND REPLACE LAMP P/N 02-0250276-000. REMOVED LEFT STROBE POWER SUPPLY P/N 01-0770062-05 S/N 06743. INSTALLED NEW POWER SUPPLY P/N 01-0770062-05 S/N 10944. OPERATIONAL;L CHECK SATISFACTORY... EXTRACTED SCREW AND REATTACHED NUTPLATE TO WING FLANGE WITH RIVETS.

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. 22067

DATE: 6/1/2011

SIGNED:



Work Order: 22067

JRay

Certified Repair Station No. K5SR339N

Printed by EBis 3 (datcomedia.com)

MAKE DIAMOND  
MODEL DA-40  
S/N 40 599  
REG NO N230DS  
WORK ORDER 21770

### Million Air - Salt Lake City

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

DATE 6/16/2011  
A/C TSN 1494 4  
TACH 1494 4

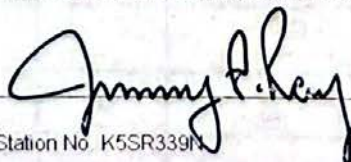
#### Airframe Entries

AD 2010-25-01, TO CHANGE THE EMERGENCY OPEN DOORS PROCEDURE AND RETROFIT THE REAR PASSENGER DOOR RETAINING BRACKET, C/W I/AW MSB 40-070 BY INSTALLING MSB-40-070 RETAINING KIT. EFFECTIVE 01/11/11 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. 21770

DATE: 6/16/2011

SIGNED:



Work Order: 21770

JRay

Certified Repair Station No. K5SR339N

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**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  
SN 40 599  
REG NO N230DS  
WORK ORDER 22146

**Million Air - Salt Lake City**

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

DATE 6/17/2011  
AVC TSN 1494.4  
TACH 1494.4

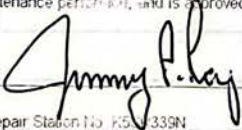
**Airframe Entries**

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 DATE MARCH 2016.... AD SEARCH C/W USING ATP REVISION 06/09/11. SEE AD REPORT PRINTED 06/15/11.... RIGHT REAR WINDOW RESEALED ON AFT END.... BOTTOM TAIL FATHING RESEALED ON BOTH SIDES.... R/H AND L/H BRAKE LININGS REMOVED AND REPLACED WITH NEW LININGS (4) P/N 066-14100 USING NEW RIVETS (8) P/N 105-2. BRAKE PRESSURE PLATE TIE BOLTS TORQUED TO 90 IN. LBS. AND SAFETY.... TROUBLE SHOT ACK REMOTE SWITCH ,REMOVED SWITCH AND CHANGED BATTERY P/N 6V PX28L. PLUGGED REMOTE SWITCH DIRECTLY INTO ELT WIRE AND REMOTE OPERATIONAL CHECKED SATISFACTORY WITH CHECK OF 1 TO 121.5. FOUND REMOTE WIRE MID STREAM TO BE DISCONNECTED, RE CONNECTED LINE. OPERATIONAL CHECK SATISFACTORY.... RIGHT WINGTIP LOWER SCREW NUTPLATE FASTENED WITH TWO NEW RIVITS P/N 066-14100A3-5.... RIGHT WING TIP NUTPLATE RESECURED TO FLANGE

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 system 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. 22146

DATE: 6/17/2011

SIGNED:



Work Order: 22146

Jimmy P. Gray  
Certified Repair Station No. K5SR339N

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<b>'Flight-Deck Avionics, LLC'</b>		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 #: N230DS	Mfg: Diamond Aircraft	Model: DA 40	Serial: 40.599	
This Is A Permanent Logbook Entry:				
Updated G1000 system software from level 0369.12 to level 0321.22 in accordance with Garmin Service Bulletin 0919 Rev.A (dated 21 September 2009). Inserted AFMS document number 190-00492-12 Rev.5 (dated September 2010) into Aircraft Flight manual. 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. 3056 .				
Signed: <b>Mark Anders</b>		Date: <u>06/20/2011</u>		
(FAA CRS# F62R677Y / F62D677Y)				

<b>'Flight-Deck Avionics, LLC'</b>		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 #: N230DS	Mfg: Diamond Aircraft	Model: DA 40	Serial: 40.599	
This Is A Permanent Logbook Entry:				
Aligned roll axis null and verified pitch axis null in accordance with Bendix/King KAP 140 Installation Manual (Rev.6 dated October 2002). 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. 3056 .				
Signed: <b>Mark Anders</b>		Date: <u>07/13/2011</u>		
(FAA CRS# F62R677Y / F62D677Y)				

MAKE DIAMOND  
MODEL DA-40  
S/N 40599  
REG NO N230DS  
WORK ORDER 22228

**Million Air - Salt Lake City**

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

DATE 8/9/2011  
A/C TSN 15216  
HOBBS 20148

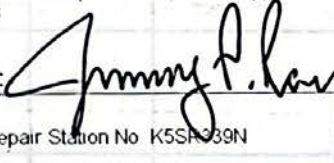
**Airframe Entries**

ELEVATOR P/N DA4-5520-00-00-1 REMOVED. INSTALLED NEW ELEVATOR P/N DA4-5520-00-1 S/N CS.702765-10000 ALL WORK PERFORMED IAW DIAMOND AMM 52-20. RIGGING VERIFIED PER AMM 06-00-00 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. 22228

DATE: 8/9/2011

SIGNED:



Work Order: 22228

Jray  
Certified Repair Station No K5SR339N

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MAKE DIAMOND  
MODEL DA-40  
S/N 40599  
REG NO N230DS  
WORK ORDER 22416

**Million Air - Salt Lake City**

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

DATE 8/11/2011  
A/C TSN 15216  
HOBBS 20239

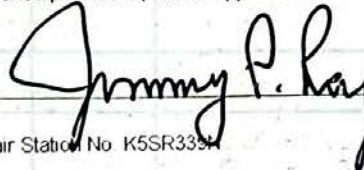
**Airframe Entries**

CO-PILOTS STROM 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. 22416

DATE: 8/11/2011

SIGNED:



Work Order: 22416

Jray  
Certified Repair Station No K5SR339N

Printed by EBis 3 (datcomedia.com)

MAKE DIAMOND  
MODEL DA-40  
S/N 40599  
REG NO N230DS  
WORK ORDER 22457

**Million Air - Salt Lake City**

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

DATE 8/17/2011  
A/C TSN 15407  
HOBBS 20368

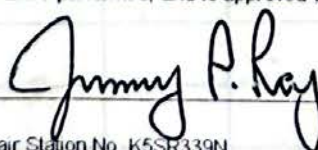
**Airframe Entries**

ALTERNATOR P/N ALX-8521RS S/N JO40050 REMOVED. INSTALLED OVERHAULED ALTERNATOR P/N ALX-8521RS, S/N H-1061984. OVERHAULED BY HARTZELL ENGINE TECHNOLOGIES CRS # 1HZR769B UNDER THEIR W/O#: M758260 DATED: JUL/06/2011. WORK DONE IN REFERENCE WITH DA 40 AMM 24-00-00. RESET THE GARMIN 1000 SYSTEM. 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. 22457

DATE: 8/17/2011

SIGNED:



Work Order: 22457

Jray  
Certified Repair Station No K5SR339N

Printed by EBis 3 (datcomedia.com)

MAKE DIAMOND  
MODEL DA-40  
S/N 40 599  
REG NO N230DS  
WORK ORDER 22462

**Million Air - Salt Lake City**

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

DATE 8/24/2011  
A/C TSN 1540 7  
TACH 1540.7

**Airframe Entries**

CIRCUIT BOARD ON ALTERNATOR AUX TERMINAL REMOVED AND REPLACED WITH NEW TERMINAL BOARD P/N DA4-2406-44-00SB. RAN AIRCRAFT OPERATION SATISFACTORY.... STARTER SKY-TEC P/N 149-24LS S/N F4L-430709 REMOVED. INSTALLED OVERHAULED SKY-TEC STARTER P/N 149-24LS S/N F4L-510802. OVERHAULED BY SKY-TEC PARTNERS CRS # S01R819N UNDER THEIR W/O#: 10121606 DATED DEC/16/2010. 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. 22462

DATE: 8/24/2011

SIGNED:



Work Order: 22462

Jray  
Certified Repair Station No. K5SR339N

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MAKE DIAMOND  
MODEL DA-40  
S/N 40 599  
REG NO N230DS  
WORK ORDER 22611

**Million Air - Salt Lake City**

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

DATE 9/29/2011  
A/C TSN 1594 2  
TACH 1594.2

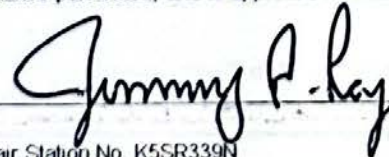
**Airframe Entries**

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 CHECK CWV PER FAR 91.207d. CHECKED SATISFACTORY. BATTERY EXPIRATION DATE MAR 2016.... AD SEARCH CWV USING ATP REVISION 09/22/11. SEE AD REPORT PRINTED 09/30/11.... LUBED PILOTS L/H STEERING BELLCRANK OPERATION SATISFACTORY.... CANOPY DOOR LOCK TURNS BUT DOES NOT LOCK. OPS CHECK BOTH CANOPY DOOR LOCKS COULD NOT DUPLICATE... VELCRO FOR AFT SEAT CUSHION MISSING AND SEAT CUSHION DOES NOT SECURE. INSTALLED NEW VELCRO... SEVERAL STRIPPED SCREWS ON LOWER WING PANELS REMOVED. CHASED SCREW HOLES WITH TAP. INSTALLED NEW SCREWS WITH LOCKTITE.... POSITIVE BATTERY BOOT REMOVED AND REPLACED WITH NEW BOOT P/N MS25171-4S.... L/H MLG TIRE REMOVED P/N 33031, S/N B5F 407101, MAKE: AIRHAWK AND SIZE: 15-6.00X 6 PLY AND REPLACED WITH A NEW TIRE P/N 33031, S/N B5F401611, MAKE: AIRHAWK, AND SIZE: 15-6.00 X 6PLY. TORQUED WHEEL HALF NUTS TO 150 IN. LBS AND SERVICED TIRE TO 36 PSI. INSTALLED WHEEL ASSY. AND TORQUED BRAKE TIE NUTS TO 90 IN. LBS. LEAK CHECK SATISFACTORY.... R/H MLG TIRE REMOVED P/N 33031, S/N B5F 407101, MAKE: AIRHAWK AND SIZE: 15-6.00X 6 PLY AND REPLACED WITH A NEW TIRE P/N 33031, S/N B5F401611, MAKE: AIRHAWK, AND SIZE: 15-6.00 X 6PLY. TORQUED WHEEL HALF NUTS TO 150 IN. LBS AND SERVICED TIRE TO 36 PSI. INSTALLED WHEEL ASSY. AND TORQUED BRAKE TIE NUTS TO 90 IN. LBS. LEAK CHECK SATISFACTORY.... R/H REAR HEADLINER FALLING DOWN. RESECURED HEAD LINER... DEAD BUG REMOVED FROM STALL HOLE ON L/H WING.... INDUCTION AIR FILTER CLEANED WITH K&N CLEANING KIT P/N 99-5000. REF K&N AIR FILTER CLEANING INSTRUCTIONS... AVIONICS FILTER REMOVED, CLEANED AND REINSTALLED. OPERATIONAL CHECKED SATISFACTORY... SUCTION SLEEVE TO ALTERNATE AIR VALVE ASSEMBLY REMOVED AND REINSTALLED CORRECTLY. REF AMM CHAPTER 71-60-00

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. 22611

DATE: 9/29/2011

SIGNED:



Work Order: 22611

Jray  
Certified Repair Station No. K5SR339N

Printed by EBis 3 (datcomedia.com)

# AIR TIME AND

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

'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 #: N230DS      Mfg: DIAMOND      Model: DA40      Serial: 40.599

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	GDU 1040	011-00972-03	88901668	20K
Altimeter 2	UNITED	20K	5934PD-3	449675	20K
Encoder/ADC	GARMIN	GDC 74A	011-00882-00	47805621	20K
Transponder 1	GARMIN	GTX 33	011-00779-00	84701620	20K
Transponder 2	N/A	N/A	N/A	N/A	N/A

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. 4008 .

Signed: Josh Fletcher      Date: 11/01/2011  
 (FAA CRS# F62R677Y / F62D677Y)      Recertification Due: 11/01/2013

MAKE DIAMOND  
MODEL DA-40  
SN 40.599  
REG NO N230DS  
WORK ORDER 22815

**Million Air - Salt Lake City**

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

DATE: 11/11/2011  
A/C TSN 1693.8  
TACH. 1693.8

**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 MARCH 2016... AD SEARCH CW USING ATP REVISION 10/27/11. SEE AD REPORT PRINTED 11/11/11.... AIRCRAFT LUBRICATION C/W PER DA40 AMM CHAPTER 12-20-00.... R/H WING REAR NAV LIGHT BULB REMOVED AND REPLACED 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. 22815

DATE: 11/11/2011

SIGNED:

gray  
Certified Repair Station No. K5SR339N

Work Order: 22815  
Printed by EBis 3 (datcomedia.com)

1 of 1

11/27/2011  
 Aircraft battery removed for charging and checked service.  
 Battery fully charged and reinstalled.  
  
 Darrell R. Noble A&P3513071

CARRIED FORWARD

MAKE DIAMOND  
MODEL DA-40  
S/N 40 599  
REG NO N230DS  
WORK ORDER 22908

**Million Air - Salt Lake City**

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

DATE 12/9/2011  
A/C TSN 1756 4  
TACH 1756 4

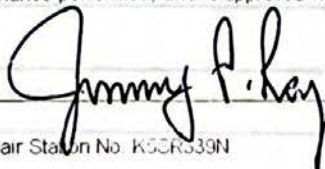
**Airframe Entries**

REPLACED LOCKING BOLT LATCH P/N 801.25.4112 OPERATION 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. 22908

DATE: 12/9/2011

SIGNED:



Work Order: 22908

Jray  
Certified Repair Station No. K5SR339N

Printed by EBis 3 (datcomedia.com)

MAKE DIAMOND  
MODEL DA-40  
S/N 40 599  
REG NO N230DS  
WORK ORDER 22915

**Million Air - Salt Lake City**

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

DATE 1/5/2012  
A/C TSN 1793 3  
TACH 1793 3

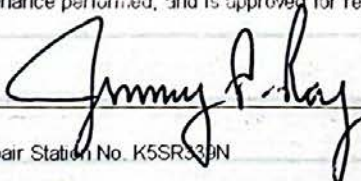
**Airframe Entries**

TANIS HEATING SYSTEM P/N TAS100-03-104-DT S/N 45155 INSTALLED IAW DRAWING # 1029. 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. 22915

DATE: 1/5/2012

SIGNED:



Work Order: 22915

Jray  
Certified Repair Station No. K5SR339N

Printed by EBis 3 (datcomedia.com)

MAKE DIAMOND  
MODEL DA-40  
S/N 40 599  
REG NO N230DS  
WORK ORDER 22964

**Million Air - Salt Lake City**

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

DATE 1/6/2012  
A/C TSN 1793 3  
TACH 1793 3

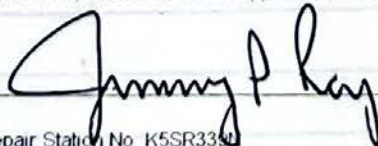
**Airframe Entries**

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 MARCH 2016\*\*\*\*\*AD SEARCH C/W USING ATP REVISION 12/28/11. SEE AD REPORT PRINTED 01/06/12.\*\*\*\*\*AIRCRAFT LUBRICATION C/W PER DA40 AMM CHAPTER 12-20-00.\*\*\*\*\*INDUCTION SCAT TUBING THAT GOES TO THE BATTERY BOX AND ALTERNATOR REMOVED AND REPLACED WITH NEW TUBE P/N: SCAT#4.\*\*\*\*\*SECURED AND SEALED TRANSPONDER ANTENNA WITH PRO SEAL P/N: CS3204B1/2.\*\*\*\*\*BRACKET ON R/H SIDE OF INSTRUMENT PANEL TO SECURE TO GLARE SHIELD RE ATTACHED WITH RIVETS.

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. 22964

DATE: 1/6/2012

SIGNED:



Work Order: 22964

Jray  
Certified Repair Station No. K5SR339N

Printed by EBis 3 (datcomedia.com)

MAKE DIAMOND  
MODEL DA-40  
S/N 40 599  
REG NO N230DS  
WORK ORDER 23229

### 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 1835.3  
TACH 1835.3

#### Airframe Entries

**CO PILOT WINDOW LATCH REMOVED AND REPLACED WITH NEW LATCH P/N: 301.25.4110. 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. 23229

DATE: 2/14/2012

SIGNED:

Jray

Certified Repair Station No. K5SR339N

Work Order: 23229

Printed by EBis 3 (datcomedia.com)

MAKE DIAMOND  
MODEL DA-40  
S/N 40 599  
REG NO N230DS  
WORK ORDER 23279

### Million Air - Salt Lake City

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

DATE 2/23/2012  
A/C TSN 1853.5  
TACH 1853.5

#### Airframe Entries

**TANIS PREHEATER PLUG RESECURED.**

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. 23279

DATE: 2/23/2012

SIGNED:

Jray

Certified Repair Station No. K5SR339N

Work Order: 23279

Printed by EBis 3 (datcomedia.com)

MAKE DIAMOND  
MODEL DA-40  
S/N 40 599  
REG NO N230DS  
WORK ORDER 23306

### Million Air - Salt Lake City

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

DATE 3/5/2012  
A/C TSN 1860.4  
TACH 1860.4

#### Airframe Entries

**LEFT MLG BRAKE LININGS REMOVED AND REPLACED WITH NEW LININGS P/N 066-14100.\*\*\*\*\*RIGHT MLG 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 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. 23306

DATE: 3/5/2012

SIGNED:

Jray

Certified Repair Station No. K5SR339N

Work Order: 23306

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MAKE DIAMOND  
MODEL DA-40  
S/N 40 599  
REG NO N230DS  
WORK ORDER 23389

**Million Air - Salt Lake City**

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

DATE 3/28/2012  
A/C TSN 1892 4  
TACH 1892 4

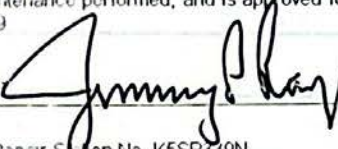
**Airframe Entries**

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 91.207D. BATTERY EXPIRATION DATE MARCH 2016\*\*\*\*\*AD SEARCH CW USING ATP REVISION 03/15/12. SEE AD REPORT PRINTED 03/28/12\*\*\*\*\*AIRCRAFT LUBRICATION C/N PER DA40 AMM CHAPTER 12-20-00.

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. 23389

DATE: 3/28/2012

SIGNED:



Work Order: 23389

Jray  
Certified Repair Station No. K5SR339N

Printed by EBis 3 (datcomedia.com)

MAKE DIAMOND  
MODEL DA-40  
S/N 40 599  
REG NO N230DS  
WORK ORDER 23491

**Million Air - Salt Lake City**

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

DATE 4/16/2012  
A/C TSN 1915 6  
TACH 1915 6

**Airframe Entries**

REMOVED AIRFRAME BATTERY P/N G243 S/N GO2381794 REPLACED WITH NEW CONCORDE P/N RG-24-15M S/N 40493110 AND TORQUED MOUNT BOLTS.

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. 23491

DATE: 4/16/2012

SIGNED:



Work Order: 23491

sgoodfellow  
Certified Repair Station No. K5SR339N

Printed by EBis 3 (datcomedia.com)

MAKE DIAMOND  
MODEL DA-40  
S/N 40 599  
REG NO N230DS  
WORK ORDER 23502

**Million Air - Salt Lake City**

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

DATE 4/20/2012  
A/C TSN 1923 6  
TACH 1923 6

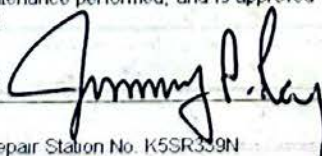
**Airframe Entries**

L/H MLG WHEEL AND TIRE ASSY REMOVED. TIRE P/N: AB3E4, S/N: B5F41611, MAKE: AIR HAWK AND MODEL: 6.00-6X6PLY REMOVED. INSTALLED NEW TIRE P/N: AB3E4, S/N: B3E44011, MAKE: AIR HAWK AND MODEL: 6.00-6X6PLY. INSTALLED NEW TUBE P/N 600X6 TUBE. REINSTALLED WHEEL AND TIRE ASSY. SERVICED TIRE TO 36 PSI. ALL MAINTENANCE PERFORMED PER DA40 AMM CHAPTER 32-40-00.\*\*\*\*\*R/H MLG WHEEL AND TIRE ASSY REMOVED. TIRE P/N: AB3E4, S/N: B5F41611, MAKE: AIR HAWK AND MODEL: 6.00-6X6PLY REMOVED. INSTALLED NEW TIRE P/N: AB3E4, S/N: B3E44011, MAKE: AIR HAWK AND MODEL: 6.00-6X6PLY. INSTALLED NEW TUBE P/N 600X6 TUBE. REINSTALLED WHEEL AND TIRE ASSY AND SERVICED TO 36 PSI. ALL MAINTENANCE PERFORMED PER DA40 AMM CHAPTER 32-40-00.

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. 23502

DATE: 4/20/2012

SIGNED:



Work Order: 23502

Jray  
Certified Repair Station No. K5SR339N

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# 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					

'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 #: N230DS	Mfg: Diamond Aircraft	Model: DA 40	Serial: 40.599
<p>This is A Permanent Logbook Entry:</p> <p>Installed (1) replacement button cap (Garmin P/N 145-00605-00) on Garmin GMA1347 display reversion button. Tested G1000 PFD/MFD reversionary mode button in accordance with Garmin G1000 Maintenance Manual, no defects noted.</p>			
<p>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. 0604 .</p>			
Signed: <b>Jared Christensen</b>		Date: <b>04/24/2012</b>	
<small>Digitally signed by Jared Christensen DN: cn=Jared Christensen, ou=Flight-Deck Avionics LLC, ou=FAA, email=jchristensen@flightdeckavionics.com, c=US Date: 2012.04.24 16:10:21 -0500</small>			
(FAA CRS# F62R677Y / F62D677Y)			

MAKE: DIAMOND MODEL: DA-40 S/N: 40.599 REG NO: N230DS WORK ORDER: 23506	<b>Million Air - Salt Lake City</b> Repair Station No. K5SR339N 303 N 2370 W Salt Lake City, Utah 84116 Phone: 801 359-2085	DATE: 4/23/2012 A/C TSN: 1936.2 TACH: 1936.2
<b>Airframe Entries</b> R/H WING NAV LIGHT BULB REMOVED AND REPLACED WITH NEW BULB P/N W-1290-28 AND A508-28 PER DA40 AMM CHAPTER 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 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. 23506.		
DATE: 4/23/2012	SIGNED:  crobertson Certified Repair Station No. K5SR339N	Work Order: 23506 Printed by EBis 3 (datcomedia.com)

MAKE DIAMOND  
 MODEL DA-40  
 S/N 40 599  
 REG NO N230DS  
 WORK ORDER 23561



**KEYSTONE AVIATION**

**Keystone Aviation LLC**

Repair Station No. K5SR339N  
 303 N 2379 W  
 Salt Lake City, Utah 84116  
 Phone: 801 359-2085

DATE 5/8/2012  
 A/C TSN 1964 4  
 TACH 1964 4

**Airframe Entries**

TROUBLESHOT OIL PRESSURE GOES INTO THE RED FOUND CORROSION ON OIL PRESSURE SENDER PLUG. REMOVED CORROSION. RAN ENGINE OPERATIONAL CHECK SATISFACTORY. OIL TEMP 155. OIL PRESSURE 91 PSI. AT FULL POWER. \*\*\*\*\*L/H AFT NAV LIGHT BULB REMOVED AND REPLACED WITH AN AS REMOVED BULB P/N: A508-28. OPERATIONAL CHECK SATISFACTORY. \*\*\*\*\*CO PILOT WINDOW LATCH REMOVED AND REPLACED WITH AS REMOVED LATCH P/N: 301.25.4110. 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. 23561

DATE: 5/8/2012

SIGNED:

Work Order: 23561

crobertson  
 Certified Repair Station No. K5SR339N

Printed by EBis 3 (datcomedia.com)

MAKE DIAMOND  
 MODEL DA-40  
 S/N 40 599  
 REG NO N230DS  
 WORK ORDER 23565



**KEYSTONE AVIATION**

**Keystone Aviation LLC**

Repair Station No. K5SR339N  
 303 N 2379 W  
 Salt Lake City, Utah 84116  
 Phone: 801 359-2085

DATE 5/25/2012  
 A/C TSN 1984 7  
 TACH 1984 7

**Airframe Entries**

PILOTS RUDDER PEDAL CLUSTER POSITION ADJUSTER CABLE AND KNOB ASSY REMOVED AND REPLACED WITH NEW CABLE P/N 20-2700-21-00 AND KNOB 2-293-006 PER DA 40 AMM CHAPTER 27-20-00. 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. 23565

DATE: 5/25/2012

SIGNED:

Work Order: 23565

gray  
 Certified Repair Station No. K5SR339N

Printed by EBis 3 (datcomedia.com)

ACFT Model:	Diamond DA-40	GIBBS SERVICE CENTER	Date:	5-11-2012
Serial No.:	40.599		Montgomery Field, San Diego, CA 92123	W.O. No.:
Reg. No.:	N230DS	FAA Approved Repair Station VT3R931L		
Tach. Time:	1969.0	Hobbs: N/A	Airframe:	1969.0
Installed new tire and tube on NLG wheel, S/N 13492195. Packed wheel bearings.				
The aircraft and/or component identified above repaired/replaced and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details of the repair/replacement are on file at this agency under Order No. 14960				
Date:	5-11-2012	Signed:	Jeff Runyon	

# CIRC AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD					<b>NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPU</b>
<p style="text-align: center;"><b>'Flight-Deck Avionics, LLC'</b>     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</p>					
Tail #: N230DS		Mfg: Diamond		Model: DA 40	Serial: 40.599
<p>This Is A Permanent Logbook Entry:</p> <p>Removed (1) failed Mid-Continent 1394T100-12RA Rate Gyro S/N C06-10907.</p> <p>Installed (1) serviceable Mid-Continent 1394T100-12RZ Rate Gyro S/N K04-11706 and ground tested in accordance with Bendix/King KAP140 Autopilot Maintenance Manual. No defects noted.</p> <p>Work accomplished in accordance with Diamond Aircraft DA40 Maintenance Manual.</p> <p>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. 3149 .</p>					
Signed: <b>Mark Anders</b>		Digitally signed by Mark Anders DN: cn=Mark Anders, email=mark.anders@flightdeckavionics.com, o=FAA, ou=FAA, postalCode=84116		Date: <b>09/14/2012</b>	
(FAA CRS# F62R677Y / F62D677Y)					

MAKE DIAMOND  
MODEL DA-40  
S/N 40.599  
REG NO N230DS  
WORK ORDER 24173



**Keystone Aviation LLC**

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

DATE 10/1/2012  
A/C TSN 2166  
TACH 2106

**Airframe Entries**

L/H MAIN LANDING GEAR WHEEL AND TIRE ASSY REMOVED AND DISASSEMBLED. TIRE P/N 30844 S/N B3E44011 REMOVED AND REPLACED WITH NEW TIRE P/N 30844 S/N B3E43212 . REASSEMBLED WHEEL AND TIRE ASSY. INFLATED TO 36 PSI AND REINSTALLED PER DA40 AMM CHAPTER 32-00-00.\*\*\*\*\*R/H MAIN LANDING GEAR WHEEL AND TIRE ASSY REMOVED AND DISASSEMBLED. TIRE P/N 30844 S/N B3E44011 REMOVED AND REPLACED WITH NEW TIRE P/N 30844 S/N B3E43212. REASSEMBLED WHEEL AND TIRE AND INFLATED TO 36 PSI. REINSTALLED WHEEL AND TIRE PER DA40 AMM CHAPTER 32-00-00.\*\*\*\*\*REPAIRED HOLE IN LOWER COWLING.

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. 24173

DATE: 10/1/2012

SIGNED: *William H Greene*  
bgreene  
Certified Repair Station No. K5SR339N

Work Order: 24173

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MAKE DIAMOND  
MODEL DA-40  
S/N 40.599  
REG NO N230DS  
WORK ORDER 24216



**Keystone Aviation LLC**

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

DATE 10/10/2012  
A/C TSN 2123.1  
TACH 2123.1

**Airframe Entries**

ELECTRIC FUEL PUMP P/N 5100-00-9 S/N 10016A REMOVED. INSTALLED NEW PUMP P/N 18002-B S/N PER DA 400 AMM CHAPTER 28-20-00. SEE 8130-3 DATED 04/24/12. LEAK AND 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. 24216

DATE: 10/10/2012

SIGNED: *Jimmy P Ray*  
jray  
Certified Repair Station No. K5SR339N

Work Order: 24216

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MAKE DIAMOND  
MODEL DA-40  
S/N 40 599  
REG NO. N230DS  
WORK ORDER 24239



KEYSTONE AVIATION

Keystone Aviation LLC

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

DATE 10/15/2012  
A/C TSN 2130 5  
TACH 2130 5

**Airframe Entries**

**R/H WING AFT NAVIGATION LIGHT BULB REMOVED AND REPLACED WITH 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 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. 24239

DATE: 10/15/2012

SIGNED:

robertson  
Certified Repair Station No. K5SR339N

Work Order: 24239

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MAKE DIAMOND  
MODEL DA-40  
S/N 40 599  
REG NO. N230DS  
WORK ORDER 24251



KEYSTONE AVIATION

Keystone Aviation LLC

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

DATE 10/26/2012  
A/C TSN 2140 8  
TACH 2140 8

**Airframe Entries**

**PILOTS RUDDER PEDAL ADJUSTMENT CABLE REMOVED AND REPLACED WITH NEW CABLE ASSY P/N 20-2700-21-00. FOUND THAT RUDDER PEDAL ASSEMBLY BINDS ON SLIDER SHAFT. UPPER SLEDGE TUBE REMOVED AND REPLACED WITH NEW TUBE P/N DA4-2723-21-70 AND BEARINGS P/N EGBZ1208-E40 PER DA 400 AMM CHAPTER 27-20-00. 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. 24251

DATE: 10/26/2012

SIGNED:

gray  
Certified Repair Station No. K5SR339N

Work Order: 24251

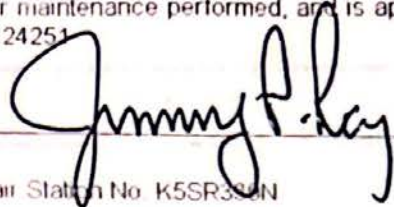
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WITH NEW TUBE  
OPERATIONAL CHECKED SATISFACTORY.

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. 24251.

DATE: 10/26/2012

SIGNED:



Work Order: 24251

gray  
Certified Repair Station No. K5SR388N

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1 of 1

'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 #: N230DS

Mfg: Diamond

Model: DA 40

Serial: 40.599

This Is A Permanent Logbook Entry:

Removed (1) failed Mid-Continent 1394T100-12RZ Rate Gyro S/N K04-11706.

Installed (1) serviceable Mid-Continent 1394T100-12RZ Rate Gyro S/N B04-10506 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. 3168 .

Signed: Mark Anders

Digitally signed by Mark Anders  
DN: cn=Mark Anders, o=Flight-Deck Avionics, LLC, ou=, email=markanders@flightdeckavionics.com, c=US  
Date: 2012.11.02 09:42:55 -0700

Date: 11/02/2012

(FAA CRS# F62R677Y / F62D677Y)

MAKE DIAMOND  
MODEL DA-40  
S/N 40 599  
REG NO N230DS  
WORK ORDER 24295



KEYSTONE AVIATION Keystone Aviation LLC

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

DATE: 11/2/2012  
A/C TSN 2152 6  
TACH 2152 6

### Airframe Entries

LEFT MLG WHEEL AND TIRE ASSY REMOVED AND DISASSEMBLED. TIRE P/N: 30844, S/N: B3E43212, TYPE: AIR HAWK AND MODEL: 6.00-6X6 PLY REMOVED. INSTALLED NEW TIRE P/N: 30844, S/N: B3E43212, TYPE: AIR HAWK AND MODEL: 6.00-6X 6 PLY AND REASSEMBLED WHEEL AND REINSTALLED PER DA40 AMM CHAPTER 32-40. LEAK CHECK SATISFACTORY. \*\*\*\*\*L/H WING AFT NAVIGATION LIGHT BULB REMOVED AND REPLACED WITH NEW BULB P/N: A508-28.

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. 24295

DATE: 11/2/2012

SIGNED:

Work Order: 24295

crobertson  
Certified Repair Station No. K5SR339N

Printed by EBis 3 (datcomedia.com)

MAKE DIAMOND  
MODEL: DA-40  
S/N 40 599  
REG NO N230DS  
WORK ORDER: 24975



KEYSTONE AVIATION Keystone Aviation LLC

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

DATE: 3/13/2013  
A/C TSN: 2291 4  
TACH: 2291 4

### Airframe Entries

BATTERY REMOVED AND CHARGED. REINSTALLED BATTERY PER DA40 AMM CHAPTER 24-31. OPERATIONAL CHECKED SATISFACTORY. \*\*\*\*\*PERFORMED ENGINE GROUND RUNS AND FUNCTION CHECK THE PROPELLER. 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. 24975

DATE: 3/13/2013

SIGNED:

Work Order: 24975

sgoodfellow  
Certified Repair Station No. K5SR339N

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MAKE DIAMOND  
MODEL DA-40  
S/N 40 599  
REG NO N230DS  
WORK ORDER P1982



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

DATE: 1/12/2015  
A/C TSN: 2819  
HOBBS 3670.5

**Airframe Entries**

(2) EMERGENCY BATTERY P/N D41-2560-93-00; S/N 12-288-12 REMOVED. INSTALLED NEW EMERGENCY BATTERY P/N D41-2560-93-00; S/N 14-203-5. PER DIAMOND DA-40 AMM 24-32-00. 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. P1982

DATE: 1/12/2015

SIGNED:

Jimmy P. Ray  
Certified Repair Station No. K5SR339N

Work Order: P1982

Printed by EBis 3 (datcomedia.com)

MAKE DIAMOND  
MODEL DA-40  
S/N 40 599  
REG NO N230DS  
WORK ORDER 24445



KEYSTONE AVIATION

Keystone Aviation LLC

Repair Station No. K5SR339N  
303 N 2370 W  
Salt Lake City, Utah 84116  
Phone 801 359-2065

DATE 11/30/2012  
A/C TSN 2187.9  
TACH 2187.9

**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 91.207D. BATTERY EXPIRATION DATE MARCH 2016\*\*\*\*\*AD SEARCH CW USING ATP REVISION 11/21/12. \*\*\*\*\*AIRCRAFT LUBRICATION CW PER DIAMOND DA40 AMM CHAPTER 12-20-00. \*\*\*\*\*LEFT AND RIGHT BRAKE REMOVED AND REPLACED WITH NEW LININGS P/N RA-66-14100.

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. 24445

DATE: 11/30/2012

SIGNED:

sgoodfellow  
Certified Repair Station No. K5SR339N

Work Order: 24445

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MAKE DIAMOND  
MODEL DA-40  
S/N 40 599  
REG NO N230DS  
WORK ORDER 24499



KEYSTONE AVIATION

Keystone Aviation LLC

Repair Station No. K5SR339N  
303 N 2370 W  
Salt Lake City, Utah 84116  
Phone 801 359-2065

DATE 12/12/2012  
A/C TSN 2193.7  
TACH 2193.7

**Airframe Entries**

EMERGENCY BATTERY 2 YR REPLACEMENT CW BY REMOVING BATTERY PACK P/N D41-2560-93-00 AND INSTALLING A NEW BATTERY PACK P/N D41-2560-93-00 EXP. DATE DEC/2014 PER DA40 AMM CHAPTER 24-35-00.

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. 24499

DATE: 12/12/2012

SIGNED:

jray  
Certified Repair Station No. K5SR339N

Work Order: 24499

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MAKE DIAMOND  
MODEL DA-40  
S/N 40 599  
REG NO N230DS  
WORK ORDER 24926



KEYSTONE AVIATION

Keystone Aviation LLC

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

DATE 3/7/2013  
A/C TSN 2288.1  
TACH 2288.1

### 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 MARCH 2016\*\*\*\*\*AD SEARCH C/W USING TIP REVISION 03/01/13. SEE AD REPORT PRINTED 03/07/13 \*\*\*\*\*AIRCRAFT LUBRICATION PER DIAMOND DA40 AMM CHAPTER 12-20-00.\*\*\*\*\*BATTERY SCAT HOSE RE ATTACHED.\*\*\*\*\*INDUCTION AIR FILTER CLEANED AND LUBRICATED.

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. 24926

DATE: 3/7/2013

SIGNED:

Work Order: 24926

C. Robertson  
Certified Repair Station No. K5SR339N

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MAKE DIAMOND  
MODEL DA-40  
S/N 40 599  
REG NO N230DS  
WORK ORDER 24998



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 2313.7  
TACH 2313.7

### Airframe Entries

TROUBLESHOT THE L/H MAGNETO BEING INTERMITTANT. FOUND THE IGNITION SWITCH WAS INOP. REMOVED AND REPLACED THE IGNITION SWITCH PARTS WITH A NEW KIT P/N: A-3650-2. WORK DONE IAW ACS SB 92-01. OPERATIONAL CHECK SATISFACTORY. AD93-05-06 C/W PER SB92-01. NEXT INSPECTION DUE AT TACH: 4313.7. EFFECTIVE DATE 04/29/93.

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. 24998

DATE: 3/21/2013

SIGNED:

Work Order: 24998

C. Robertson  
Certified Repair Station No. K5SR339N

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MAKE DIAMOND  
MODEL DA-40  
S/N 40 599  
REG NO N230DS  
WORK ORDER 25050



KEYSTONE AVIATION

Keystone Aviation LLC

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

DATE 3/29/2013  
AV TSN 2315 5  
TACH 2315 5

**Airframe Entries**

**NOSE TIRE TUBE P/N 500X5-TUBE REMOVED AND REPLACED WITH NEW TUBE P/N 500X5-TUBE PER DA 40 M.M. 32-20-00.**

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. 25050

DATE: 3/29/2013

SIGNED:

sgoodfellow  
Certified Repair Station No. K5SR339N

Work Order: 25050

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1 of 1

MAKE DIAMOND  
MODEL DA-40  
S/N 40 599  
REG NO N230DS  
WORK ORDER 25141



KEYSTONE AVIATION

Keystone Aviation LLC

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

DATE 4/15/2013  
AV TSN 2364  
TACH 2364

**Airframe Entries**

**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: B3E41013, 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.\*\*\*\*\*RIGHT BRAKE LININGS REMOVED AND REPLACED WITH NEW LININGS P/N 066-14100 IAW DIAMOND DA-40 M.M. CHAP 32-40-00.**

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. 25141

DATE: 4/15/2013

SIGNED:

jay  
Certified Repair Station No. K5SR339N

Work Order: 25141

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1 of 1

MAKE: DIAMOND  
MODEL: DA-40  
S/N: 40 599  
REG NO: N230DS  
WORK ORDER: 24852



Keystone Aviation LLC

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

DATE: 5/15/2013  
A/C TSN: 2387.5  
TACH: 2387.5

**Airframe Entries**

(1) ENGINE M/N IO-360-M1A S/N L-32399-51A REMOVED WITH ENGINE TT OF 2387.5 FROM AIRCRAFT N230DS.

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. 24852

DATE: 5/15/2013

SIGNED:

Work Order: 24852

Jimmy P. Ray  
Certified Repair Station No. K5SR339N

Printed by EBis 3 (datcomedia.com)

MAKE: DIAMOND  
MODEL: DA-40  
S/N: 40 599  
REG NO: N230DS  
WORK ORDER: 25183



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

DATE: 5/23/2013  
A/C TSN: 2387.5  
TACH: 2387.5

**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 91.207D. BATTERY EXPIRATION DATE MARCH 2016
- (5) AD SEARCH C/W USING ATP REVISION 05/21/13. SEE AD REPORT PRINTED 05/23/13.
- (6) AIRCRAFT LUBRICATION C/W PER DIAMOND DA40 AMM CHAPTER 12-20-00.
- (8) R/H WING TIE DOWN P/N 405630 INSTALLED WITH NEW GASKET P/N-119328.
- (9) CABIN FLOOR VACUUMED OUT.
- (10) L/H MAIN LANDING GEAR BRAKE LININGS REMOVED AND REPLACED WITH NEW LININGS P/N 066-14100
- (12) LOWER COWLING REPAIRED PER DA40 AMM CHAPTER 51-20.
- (14) AIR FILTER AIR BOX REMOVED AND REPAIRED PER AC 43.13-1B CHAPTER 4 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. 25183

DATE: 5/23/2013

SIGNED:

Work Order: 25183

Jimmy P. Ray  
Certified Repair Station No. K5SR339N

Printed by EBis 3 (datcomedia.com)

MAKE: DIAMOND  
MODEL: DA-40  
S/N: 40 599  
REG NO: N230DS  
WORK ORDER: 24852



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

DATE: 5/23/2013  
A/C TSN: 2387.5  
TACH: 2387.5

**Airframe Entries**

- (3) PROPELLER GOVERNOR P/N C210776 S/N SN00404 REMOVED AND SENT TO PRECISION PROPELLER SERVICE, INC CRS # FG6R534N WHERE UNDER THEIR W.O. # 28294 DATED 05/15/13 IT WAS OVERHAULED. RE INSTALLED PROPELLER GOVERNOR P/N C210776 S/N SN00404 PER DA40 AMM CHAPTER 61-20-00. LEAK AND OPERATIONAL CHECKED SATISFACTORY.
- (4) TANIS HEATING SYSTEM 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. 24852

DATE: 5/23/2013

SIGNED:

Work Order: 24852

Jimmy P. Ray  
Certified Repair Station No. K5SR339N

Printed by EBis 3 (datcomedia.com)

Tail #: N230DS

Mfg: Diamond Aircraft

Model: DA 40

Serial: 40.599

This Is A Permanent Logbook Entry:

Re-tensioned connector locking clip at plastic PFD cooling fan connector No. J2101. Reattached PFD cooling fan connector in accordance with Garmin DWG. No. 005-00304-00, Rev. 10, dated February 2005. Performed ground tests in accordance with Garmin G1000 (DA40/DA40F) System Maintenance Manual No. 190-00545-01, Rev. F, dated November 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. 0731 .

Signed: Jared Christensen

Digitally signed by Jared Christensen  
DN: cn=Jared Christensen, ou=Flight Deck Avionics LLC, ou,  
email=jchristensen@flightdeckavionics.com, c=US  
Date: 2013.05.28 16:48:22 -0600

Date: 05/28/2013

(FAA CRS# F62R677Y / F62D677Y)

MAKE: DIAMOND  
MODEL: DA-40  
S/N: 40.599  
REG. NO: N230DS  
WORK ORDER: P1193



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

DATE: 7/26/2013  
A/C TSN: 2440.5  
TACH: 2430

**Airframe Entries**

(1) ENGINE COWLING REMOVED. ALTERNATE AIR DISASSEMBLED AND CLEANED ASSEMBLY REINSTALLED AND ADJUSTED. OPERATIONAL CHECK SATISFACTORY IAW DA40 AMM CHAPTER 71-60.

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. P1193.

DATE: 7/26/2013

SIGNED:

Scott L. Goodfellow  
Certified Repair Station No. K5SR339N

Work Order: P1193

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MAKE: DIAMOND  
MODEL: DA-40  
S/N: 40.599  
REG. NO: N230DS  
WORK ORDER: P1246



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

DATE: 8/21/2013  
A/C TSN: 2476.5  
TACH: 2476.5

**Airframe Entries**

(1) STALL WARNING HORN REMOVED AND REPLACED WITH NEW STALL WARNING HORN P/N 0713348-1 IAW DIAMOND DA 40 MM 27-39-00. OPS CHECK GOOD.

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. P1246.

DATE: 8/21/2013

SIGNED:

Scott L. Goodfellow  
Certified Repair Station No. K5SR339N

Work Order: P1246

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 #: N230DS

Mfg: Diamond Aircraft

Model: DA 40

Serial: 40.599

This Is A Permanent Logbook Entry:

Re-tensioned connector locking clip at plastic PFD cooling fan connector No. J2101. Reattached PFD cooling fan connector in accordance with Garmin DWG. No. 005-00304-00, Rev. 10, dated February 2005. Performed ground tests in accordance with Garmin G1000 (DA40/DA40F) System Maintenance Manual No. 190-00545-01, Rev. F, dated November 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. 0731 .

Signed: **Jared Christensen**

Digitally signed by Jared Christensen  
DN: cn=Jared Christensen, ou=Flight Deck Avionics LLC, ou,  
email=jchristensen@flightdeckavionics.com, c=US  
Date: 2013.05.28 16:48:22 -0500

Date: **05/28/2013**

(FAA CRS# F62R677Y / F62D677Y)

MAKE: DIAMOND  
MODEL: DA-40  
S/N 40.599  
REG. NO. N230DS  
WORK ORDER: P1193



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

DATE: 7/26/2013  
AVC TSN 2430.5  
TACH. 2430

**Airframe Entries**

(1) ENGINE COWLING REMOVED. ALTERNATE AIR DISASSEMBLED AND CLEANED ASSEMBLY REINSTALLED AND ADJUSTED. OPERATIONAL CHECK SATISFACTORY IAW DA40 AMM CHAPTER 71-60.

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. P1193.

DATE: 7/26/2013

SIGNED:

Work Order: P1193

Scott L. Goodfellow  
Certified Repair Station No. K5SR339N

Printed by EBis 3 (datcomedia.com)

MAKE DIAMOND  
MODEL DA-40  
S/N 40 599  
REG NO N230DS  
WORK ORDER P1263



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

DATE: 9/6/2013  
A/C TSN 2486 7  
TACH 2486 7

### 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 91.207D. BATTERY EXPIRATION DATE MARCH 2016
- (7) AD SEARCH C/W USING ATP REVISION 09/05/13. SEE AD REPORT PRINTED 09/0613.
- (8) AIRCRAFT LUBRICATION C/W PER DIAMOND DA40 AMM CHAPTER 12-20-00.
- (10) TOP COWLING INNER BAFFLE RESECURED TO COWLING.

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. P1263

DATE: 9/6/2013

SIGNED:

Jimmy P. Rey  
Certified Repair Station No. K5SR339N

Work Order: P1263

Printed by EBis 3 (datcomedia.com)

MAKE DIAMOND  
MODEL DA-40  
S/N 40 599  
REG NO N230DS  
WORK ORDER P1331



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

DATE: 10/8/2013  
A/C TSN 2520 6  
TACH 2520 6

### Airframe Entries

- (1) CO PILOT SIDE R/H BRAKE RETAINING SPRING RE ATTACHED. OPERATIONAL CHECK SATISFACTORY.
- (2) HORIZONTAL STAB R/H TIP PERFORMED TAP TEST, FOUND OK, TOUCHED UP WITH PAINT.

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. P1331

DATE: 10/8/2013

SIGNED:

Scott L. Goodfellow  
Certified Repair Station No. K5SR339N

Work Order: P1331

Printed by EBis 3 (datcomedia.com)

MAKE DIAMOND  
MODEL DA-40  
S/N 40 599  
REG NO N230DS  
WORK ORDER P1408



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

DATE: 11/11/2013  
A/C TSN 2552 1  
TACH 2552 1

### Airframe Entries

- (1) FOUND FUEL SELECTOR KNOB IN THE FUEL SHUT OFF POSITION. ALSO FOUND FUEL SELECTOR KNOB ATTACHMENT SCREW VERY LOOSE, TIGHTNED SCREW. INSPECTED INSIDE ENGINE COWLING FOR FUEL LEAKS, NONE FOUND, FUEL SHUT OFF KNOB AND ENGINE RUN 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. P1408

DATE: 11/11/2013

SIGNED:

Scott L. Goodfellow  
Certified Repair Station No. K5SR339N

Work Order: P1408

Printed by EBis 3 (datcomedia.com)

MAKE DIAMOND  
MODEL DA-40  
S/N 40 599  
REG NO N230DS  
WORK ORDER: P1445



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

DATE 12/4/2013  
AC TSN 2571  
TACH 2571

### Airframe Entries

(1) ENGINE COWLING WINTERIZATION 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. P1445

DATE: 12/4/2013

SIGNED:

Work Order: P1445

Colin M. Robertson  
Certified Repair Station No. K5SR339N

Printed by EBis 3 (datcomedia.com)

1 of 1

MAKE DIAMOND  
MODEL DA-40  
S/N 40 599  
REG NO N230DS  
WORK ORDER: P1468



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

DATE 1/21/2014  
AC TSN 2571  
TACH 2571

### 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 PER FAR 91.207(d). BATTERY EXPIRATION 03/31/16.
- (7) AD SEARCH C/W USING ATP REVISION 01/17/14. SEE AD REPORT PRINTED 01/21/14
- (8) AIRCRAFT LUBRICATED 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 01/01/14.
- (12) IN STALLED NEW SCREW P/N 649353-75 WITH LOCK WASHER AND FLAT WASHER ON BAFFLE ASSEMBLY ABOVE #2 CYLINDER.
- (14) ENGINE COWLINGS DEGREASED AND CLEANED
- (15) LEFT AND RIGHT MLG BRAKE LININGS REMOVED AND REPLACED WITH NEW LININGS P/N 066-14100 PER DA40 AMM CHAPTER 32-40.
- (16) LEFT READING LIGHT BULB REMOVED AND REPLACED WITH NEW BULB P/N NL- A508-28 PER DA40 AMM CHAPTER 33-10. OPERATIONAL CHECKED SATISFACTORY
- (17) LEFT FLAP CONTROL ROD DUST BOOT RESEATED.

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. P1468

DATE: 1/21/2014

SIGNED:

Work Order: P1468

Jimmy P. Ray  
Certified Repair Station No. K5SR339N

Printed by EBis 3 (datcomedia.com)

1 of 1

MAKE DIAMOND  
 MODEL DA-40  
 S/N 40 599  
 REG NO N230DS  
 WORK ORDER: P1468



Repair Station No. K5SR339N  
 303 N 2370 W  
 Salt Lake City, Utah 84116  
 Phone: 801-953-7500

DATE 1/21/2014  
 A/C TSN 2589 5  
 HOBBS 3373 5

**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 PER FAR 91.207(d). BATTERY EXPIRATION 03/31/16.
- (7) AD SEARCH C/W USING ATP REVISION 01/17/14. SEE AD REPORT PRINTED 01/21/14
- (8) AIRCRAFT LUBRICATED 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) IN STALLED NEW SCREW P/N 649353-75 WITH LOCK WASHER AND FLAT WASHER ON BAFFLE ASSEMBLY ABOVE #2 CYLINDER.
- (14) ENGINE COWLINGS DEGREASED AND CLEANED
- (15) LEFT AND RIGHT MLG BRAKE LININGS REMOVED AND REPLACED WITH NEW LININGS P/N 066-14100 PER DA40 AMM CHAPTER 32-40.
- (16) LEFT READING LIGHT BULB REMOVED AND REPLACED WITH NEW BULB P/N NL- A508-28 PER DA40 AMM CHAPTER 33-10. OPERATIONAL CHECKED SATISFACTORY
- (17) LEFT FLAP CONTROL ROD DUST BOOT RESEALED.

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. P1468

DATE: 1/21/2014

SIGNED:

Work Order: P1468

Jimmy P. Ray  
 Certified Repair Station No. K5SR339N

Printed by EBIS 3 (datcomedia.com)

<b>'Flight-Deck Avionics, LLC'</b>		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-009
Tail #: N230DS	Mfg: Diamond	Model: DA40	Serial: 40.599		
This Is A Permanent Logbook Entry:		Performed tests and inspections in accordance with FAR 43:	<input checked="" type="checkbox"/>	Appendix E to comply with FAR 91.411	
			<input checked="" type="checkbox"/>	Appendix F to comply with FAR 91.413	
UNIT	MFG	MODEL	PART #	SERIAL #	TEST ALTITUDE
ADC/PFD	Garmin	GDC 74A	011-00882-00	47805621	20K
Altimeter 2	United Instru	20K A.130	5934PD-3	449675	20K
Encoder	Garmin	GDC 74A	011-00882-00	47805621	20K
Transponder	Garmin	GTX 33	011-00779-00	84700999	20K
NA					
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. 6424 .					
Signed: <u>Matthew Drake</u>		<small>Signature of Matthew Drake</small>		Date: <u>01/21/2014</u>	
(FAA CRS# F62R677Y / F62D677Y)				Recertification Due: <u>01/31/2016</u>	

# AIR TIME AND LOGS

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.	
<b>BROUGHT FORWARD</b>					

MAKE DIAMOND  
MODEL DA-40  
S/N 40 599  
REG. NO. N230DS  
WORK ORDER: P1584



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

DATE: 3/25/2014  
A/C TSN: 2639.9  
TACH: 2639.9

**Airframe Entries**

(1) BOTH DOOR LOCKS REMOVED AND REPLACED WITH NEW LOCKS P/N 3802-0022. 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. P1584

DATE: 3/25/2014

SIGNED:

Jimmy P. Ray  
Certified Repair Station No. K5SR339N

Work Order: P1584

Printed by EBis 3 (datcomedia.com)

MAKE DIAMOND  
MODEL DA-40  
S/N 40 599  
REG. NO. N230DS  
WORK ORDER: P1664



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

DATE: 5/23/2014  
A/C TSN: 2664.5  
TACH: 2664.5

**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 MAR/2016

(7) AD SEARCH C/W USING ATP REVISION 05/15/14. SEE AD REPORT PRINTED 05/23/14.

(8) AIRCRAFT LUBRICATION C/W PER DA40 AMM CHAPTER 12-20-00.

(14) REATTACHED LEFT BRAKE LINE RETAINING CLIP.

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. P1664

DATE: 5/23/2014

SIGNED:

Shane L. Record  
Certified Repair Station No. K5SR339N

Work Order: P1664

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MAKE DIAMOND  
MODEL DA 40  
S/N 40 599  
REG NO N230DS  
WORK ORDER P1647



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

DATE 5/14/2014  
A/C TSN 26819  
TACH 26819

**Airframe Entries**

**(1) LEFT RUDDER PEDAL RETURN SPRING REMOVED AND REPLACED WITH 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 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. P1647

DATE: 5/14/2014

SIGNED:

Work Order: P1647

Colin M. Robertson  
Certified Repair Station No. K5SR339N

Printed by EBis 3 (datcomedia.com)

MAKE DIAMOND  
MODEL DA-40  
S/N 40 599  
REG. NO N230DS  
WORK ORDER P1735



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

DATE: 7/21/2014  
A/C TSN 2712 6  
TACH 2712 6

**Airframe Entries**

**(1) TROUBLESHOT ALTERNATOR SYSTEM. FOUND THAT THE ALTERNATOR WAS INOP. ALTERNATOR P/N: ALU-85211S AND S/N: H-M121416 REMOVED. INSTALLED OVERHAULED ALTERNATOR P/N: ALU-8521RS S/N: H-M072743 PER CESSNA 172S AMM CHAPTER 24-20-00. ALTERNATOR OVERHAULED BY HARTZELL ENGINE TECHNOLOGIES CRS # 1HZR769B UNDER THEIR W/O#: M982570 DATED 07/30/12. SEE 0130-3 DATED 07/30/12. OPERATIONAL CHECK SATISFACTORY.**  
**(2) ALTERNATOR MOUNT BRACKET REMOVED AND REPLACED WITH NEW BRACKET P/N:07A19474.**

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. P1735

DATE: 7/21/2014

SIGNED:

Work Order: P1735

Colin M. Robertson  
Certified Repair Station No. K5SR339N

Printed by EBis 3 (datcomedia.com)

MAKE DIAMOND  
MODEL DA-40  
S/N 40 599  
REG. NO N230DS  
WORK ORDER P1785



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

DATE 9/12/2014  
A/C TSN 3569 5  
TACH 3569 5

**Airframe Entries**

**(1) RUDDER PEDAL ADJUSTMENT CABLE REMOVED AND REPLACED WITH NEW CABLE P/N 20-2700-21-00. OPERATIONAL CHECKS SATISFACTORY. COMPLETED PER DIAMOND DA-40 MM CH 27-20-00.**

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. P1785

DATE: 9/12/2014

SIGNED:

Work Order: P1785

Robert A. Hagen  
Certified Repair Station No. K5SR339N

Printed by EBis 3 (datcomedia.com)

MAKE: DIAMOND  
MODEL: DA-40  
S/N: 40 599  
REG NO: N230DS  
WORK ORDER: P1804



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

DATE: 9/19/2014  
A/C TSN: 2747.4  
TACH: 2747.4

**Airframe Entries**

- (1) PARKING BRAKE VALVE P/N 60-5D CASE# 195-02400 REMOVED. INSTALLED NEW PARKING BRAKE VALVE P/N 60-5D, S/N RC1500547. PER DIAMOND DA-40 AMM 32-40-00. BLED SYSTEM PER DIAMOND DA-40 AMM 32-40-00. LEAK AND OPERATIONAL CHECKED SATISFACTORY.
- (2) AD 2014-13-08 TO CORRECT AN INCORRECT COMPLIANCE TIME TO MODIFY THE AFT MAIN SPAR IN THE CABIN AREA C/W PER PAR (f) (4) (i). MODIFICATION WAS C/W AT A PREVIOUS DATE PER MSB 40-074, D4-097 AND F4-028 ON 01/17/2014 AT TACH 2571.0. EFFECTIVE DATE 08/27/14.

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. P1804

DATE: 9/19/2014

SIGNED:

Jimmy P. Ray  
Certified Repair Station No. K5SR339N

Work Order: P1804

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MAKE: DIAMOND  
MODEL: DA-40  
S/N: 40 599  
REG NO: N230DS  
WORK ORDER: P1887



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

DATE: 11/4/2014  
A/C TSN: 2783.9  
TACH: 2783.9

**Airframe Entries**

- (1) AIRCRAFT HAS BEEN INSPECTED FOR A 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 MAR/2016
- (7) AD SEARCH C/W USING ATP REVISION 10/16/14. SEE AD REPORT PRINTED 11/04/14.
- (8) AIRCRAFT LUBRICATION C/W PER DA 40 AMM CHAPTER12-20-00.
- (11) 2 EACH NEW DUST BOOT P/N MS25171-4S INSTALLED ON BATTERY CONNECTIONS AND TORQUED BATTERY LEADS TO 70 IN LBS AS SPECIFIED ON BATTERY PLACARD AND INSTALLED BATTERY COVER
- (13) PILOT AND CO-PILOT STEP GRIP TAPE REINSTALLED
- (14) LEFT WING FLAP BONDING STRAP RING TERMINAL REMOVED AND REPLACED WITH A NEW TERMINAL P/N 12-16 AWG .
- (15) RIGHT FLAP BONDING STRAP ATTACHED TO NEW RING. ON PUSH ROD END, AND TORQUED TO 56 IN LBS (6.4 Nm) PER DIAMOND D40 AMM 27-50-00. RESISTANCE CHECK SATISFACTORY PER DIAMOND D40 AMM 51-80-00.
- (17) RESECURED BATTERY COVER IAW DIAMOND DA-40 AMM 24-31-00
- (18) APPLIED HEAT TAPE TO AREAS SHOWING HEAT STRESS ON LOWER ENGINE COWLING
- (19) TESTED TENSION ON NLG IAW DIAMOND DA 40 AMM 32-20-00 UTILIZING PUSH PULL SCALE PPS-002 FOUND TO BE WITHIN LIMITS

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. P1887

DATE: 11/4/2014

SIGNED:

Jimmy P. Ray  
Certified Repair Station No. K5SR339N

Work Order: P1887

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  
 SN 40 599  
 REG. NO. N230DS  
 WORK ORDER P1947



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

DATE 12/15/2014  
 A/C TSN 2819  
 TACH 2819

**Airframe Entries**

**(3) PRE-PURCHASE INSPECTION CW USING CUSTOMER SUPPLIED CHECK LIST.**

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. P1947.

DATE: 12/15/2014

SIGNED:

Work Order: P1947

Colin M. Robertson  
 Certified Repair Station No. K5SR339N

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<b>Flight-Deck Avionics, LLC</b>		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 #: N230DS	Mfg: Diamond	Model: DA40	Serial: 40.599	
<p><b>This is A Permanent Logbook Entry:</b></p> <p>Removed cracked marker beacon antenna p/n CI102 s/n 508485. Installed new Comant marker antenna p/n CI102 s/n 469468. Removed cracked VHF Com antenna p/n DM C63-2 s/n 18690. Installed new VHF Com antenna p/n DM C63-2 s/n 26416. Both systems ground tested IAW manufactures specs. No defects noted.                  Aircraft Hobbs: 3670.8 hrs.</p>				
<p>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. 6778 .</p>				
Signed: <b>Matthew Drake</b>		Date: <b>01/08/2015</b>		
(FAA CRS# F62R677Y / F62D677Y)				

### Airframe Log Book

Date: 04/21/2015	Tach: 2832.5	Hobbs:
Reg No: N230DS	AF TT:	Engine TT:
Aircraft type: DA40	Prop TT:	Engine SMOH:
Serial No:	Prop SMOH:	

1. Re-upholstered seats and installed new carpet. Material meets burn certification requirements.

This aircraft, airframe, engine, propeller, or appliance identified was repaired and/or inspected in accordance with the current regulations of the Federal Aviation Administration and is approved for return to service for the work performed.


Date: 04/21/2015 Signed:   
 Robert Austin Bourland A&P 3795668

### Airframe Log Book

Date: 1 JULY 2015	Tach: 2859.6	Hobbs: 3723.3
Reg No: N230DS	AF TT:	Engine TT:
Aircraft type: Diamond DA40	Prop TT:	Engine SMOH:
Serial No: 40.599	Prop SMOH:	

1. Installed co-pilot eyeball vent in instrument panel with new Diamond PN AV576505-2.
2. Installed O-Rings in both left and right fuel caps with new Diamond Kit # OHK3.

This aircraft, airframe, engine, propeller, or appliance identified was repaired and/or inspected in accordance with the current regulations of the Federal Aviation Administration and is approved for return to service for the work performed.


Date: July 1, 2015 Signed:   
 Thomas A Ferguson AP/IA 3020594

### Airframe Log Book

Date: 08/18/2015	Tach: 2896.1 hours	Hobbs: 3767.6 hours
Reg No: N230DS	AF TT:	Engine TT:
Aircraft type: DA-40	Prop TT:	Engine SMOH:
Serial No: 40.599	Prop SMOH:	

1. Removed battery.
2. Installed new concord battery. P/N: RG24-15M
3. Ran engine and found no discrepancies.

This aircraft, airframe, engine, propeller, or appliance identified was repaired and/or inspected in accordance with the current regulations of the Federal Aviation Administration and is approved for return to service for the work performed.

Date: 08/18/2015 Signed:   
 Robert Austin Bourland A&P 3795668

### Airframe Log Book

Date: <b>10/19/2015</b>	Tach: <b>2924.2</b>	Hobbs: <b>3802.7</b>
Reg No: <b>N230DS</b>	AF TT:	Engine TT:
Aircraft type: <b>DA40</b>	Prop TT:	Engine SMOH:
Serial No: <b>40.599</b>	Prop SMOH:	

1. Installed new bulb in left nav light part number AML-7512.
2. Installed new bulb in right rear nav light part number A508-28.
3. Installed new fuel filler O-Rings part number DIN3771-85X6-FPM.
4. Installed new fuel placards part number DA4-1127-10-22.
5. Performed light ops check. Ops check good.
6. Aircraft was flown to check for fuel leaks. No leaks at this time.

This aircraft, airframe, engine, propeller, or appliance identified was repaired and/or inspected in accordance with the current regulations of the Federal Aviation Administration and is approved for return to service for the work performed.

Date: 19 OCT 2015 Signed: *Corey H. McClure*  
Corey Hardin McClure A&P 3804639


### Airframe Log Book

Date: <b>1/6/2016</b>	Tach: <b>2934.9</b>	Hobbs: <b>3816.2</b>
Reg No: <b>N230DS</b>	AF TT: <b>2934.9</b>	Engine TT: <b>547.4</b>
Aircraft type: <b>DA40</b>	Prop TT: <b>2934.9</b>	Engine SFRM: <b>547.4</b>
Serial No: <b>40.599</b>	Prop SMOH: <b>547.4</b>	

1. I certify that this aircraft has been inspected in accordance with an Annual inspection and found to be in airworthy condition. Inspection performed in accordance with FAR 43 appendix D, using the Diamond DA40 Maintenance Manual inspection guide as a reference.
2. c/w AD 2015-19-07 by inspection of fuel injector lines. Next due Tach 3934.9
3. Complied with the following special inspections:
  - a. Essential bus inspection per Chapter 4 Airworthiness Limitations. Next due: 3934.9 Tach
  - b. Bonding system and static discharging system per Chapter 4 Airworthiness limitations and 51-80. Used milliohm and megaohm test kit provided by Diamond. Repaired several bonding straps and cleaned several attachments. All values within limits per MM checklist 51-80-00 page 201 par 2.
  - c. Removed all engine mount to firewall bolts. Installed new bolts and nuts and torqued.
  - d. Installed new air filter. Serviced with oil.
  - e. Removed right and left wings. Inspected wing attachment pins, fuselage spar area and wing spar.
  - f. Removed wing tips and inspected. Repaired right wing bonding tab.
  - g. Removed right and left fuel tanks. Inspected tanks and wing structure and entire wing static bonding system.
  - h. Installed both fuel tanks. Installed fuel filler port and sealed with Hylomar PL32.
  - i. Removed aileron and flap pushrods, inspected and installed. Repaired several bonding straps.
  - j. Installed wings, greased spar pins per MM. Attached all control push rods and ops checked systems.
  - k. Mustang Aviation performed static and pitot leak test.
  - l. Inspected fuel selector shaft universal joints.
  - m. Removed rudder, inspected and lubricated hinge points.
  - n. Removed Horizontal stabilizer and stabilizer tips. Inspected.
  - o. Removed elevator push rods and inspected.
  - p. Installed horizontal stabilizer and rudder per MM. Ops checked controls



# AIR TIME AND

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

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

**BROUGHT FORWARD**

- q. Inspected complete fuselage, cabin area, tail area, wings, and horizontal structure for dis-bonding, deterioration and damage.
- r. Ops checked fuel low level warning system.
- s. Checked nose gear steering tension.
- 4. c/w FAR 91.207 ELT ops check and inspection. Installed new Duracell D batteries dated 2/2025. Replacement next due: 1/2017
- 5. installed new heater duct scat tubing from heat shroud rear fitting.
- 6. Installed new wing root rubber seals.
- 7. Lubricated and adjusted door unsafe switch for both front canopy and rear pax door
- 8. Adjusted door latching pin for forward canopy.
- 9. Installed new brake disks (p/n RA164-24400) and brake pads (p/n RA66-106) on right and left wheels.
- 10. Removed, cleaned and resealed right and left brake calipers. Bled brakes
- 11. Installed new bearings and races in nose wheel and right main wheel
- 12. Installed new tires (Condor 6.00-6 6ply 072-314-00) on right and left main wheels.
- 13. Repaired wiring in center console for channel and volume switch. Installed new Molex connector.

This aircraft, airframe, engine, propeller, or appliance identified was repaired and/or inspected in accordance with the current regulations of the Federal Aviation Administration and is approved for return to service for the work performed.

Date: Jan 6, 2016 Signed: *Thomas A Ferguson*  
Thomas A Ferguson AP/IA 3020594

Reg No: N230DS Aircraft: Diamond DA40 Serial No: 40.599

Work Order: 11635

I HEREBY CERTIFY THAT THE ALTIMETER, ENCODER, AND STATIC SYSTEM TESTS REQUIRED BY FAR 91.411 HAVE BEEN PERFORMED AND MEET SPECIFICATIONS.

STBY ALTIMETER TESTED TO 20,000 FEET  
 ADC/PFD TESTED TO 20,000 FEET

SYSTEM TEST DATE 01-27-16

I HEREBY CERTIFY THAT THE ATC TRANSPONDER TEST REQUIRED BY FAR 91.413 WAS PERFORMED THIS DATE AND FOUND TO COMPLY WITH FAR 43, APPENDIX F.

MAKE: GARMIN MODEL: GTX-33 SERIAL NO.: 84700999

SYSTEM TEST DATE 01-27-16

TESTED BY *Robbie Smithers* Cert # UTYR015L

**Mustang Aviation**  
Advisor - Manufacturer - Pilot

4316 Hangar Dr  
 Lexington, KY 40510  
 859-255-1902  
 FAA CRS # UTYR015L

CARRIED FORWARD

PFD

# ALTIMETER SCALE CORRECTION CARD

REFERENCE ALTITUDE IN FT.	ALTIMETER READS	REFERENCE ALTITUDE IN FT.	ALTIMETER READS
-1000	-1010	14000	13980
0	-10	16000	15980
500	490	18000	17990
1000	990	20000	19980
1500	1490	22000	-----
2000	1990	25000	-----
3000	2990	30000	-----
4000	3990	35000	-----
6000	5980	40000	-----
8000	7980	45000	-----
10000	9980	50000	-----
12000	11980		

Tested By: *[Signature]* N# 230DS Date: 01-27-2016



FAA CRS# UTYR015L  
Lexington, KY 40510

**STBY ALT**

# ALTIMETER SCALE CORRECTION CARD

REFERENCE ALTITUDE IN FT.	ALTIMETER READS	REFERENCE ALTITUDE IN FT.	ALTIMETER READS
-1000	-1010	14000	13950
0	-20	16000	15950
500	480	18000	17970
1000	980	20000	19970
1500	1480	22000	-----
2000	1990	25000	-----
3000	2990	30000	-----
4000	3980	35000	-----
6000	5970	40000	-----
8000	7960	45000	-----
10000	9950	50000	-----
12000	11950		

Tested By: *[Signature]* # 230DS Date: 01-27-2016



FAA CRS# UTYR015L  
Lexington, KY 40510

# ENGINEERING RECORD

ENTRIE	<p><b>Primeplanes Aircraft Services Inc.</b>                  111 Aviation Drive North                  Naples, Florida 34104, ph. 239-659-4005</p> <p style="text-align: right;"></p> <p>REG. <u>230DS</u> TYPE <u>DA-40</u> TACH <u>2970.2</u> HOBBS <u>3862.7</u></p> <p>Removed and replaced landing light bulb with new ( landing light bulb inop. ) Ops checked landing light bulb, checks good. Removed and replaced R/H position light bulb with new ( R/h position light bulb inop. ) Ops checked position light bulb, checks good.</p> <p>Signature <u></u> Date <u>4/4/2016</u>                  Valerie Heil A&amp;P 3812731</p>	SIGNATURE	LICENCE NUMBER
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	<p><b>Primeplanes Aircraft Services Inc.</b>                  111 Aviation Drive North                  Naples, Florida 34104, ph. 239-659-4005</p> <p style="text-align: right;"></p> <p>REG. <u>230DS</u> TYPE <u>DA-40</u> TACH <u>3010.5</u> HOBBS <u>3919.1</u></p> <p>Removed canopy due to handle jamming. Tightened locking bolt until correct adjustment was achieved. Reinstalled canopy. Ops checked canopy, ops checked good. Removed rudder adjust cable due to fraying. Installed new rudder adjust cable. Ops checked rudder adjust cable, ops checked good.</p> <p>Signature <u></u> Date <u>5/26/2016</u>                  Valerie Heil A&amp;P 3812731</p>		
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	<p><b>Primeplanes Aircraft Services Inc.</b>                  111 Aviation Drive North                  Naples, Florida 34104, ph. 239-659-4005</p> <p style="text-align: right;"></p> <p>REG. <u>N230DS</u> TYPE <u>DA-40 XLS</u> TACH <u>3020.9</u> HOBBS <u>3931.8</u></p> <p>Removed Passenger seat, disconnected and removed Roll servo. Installed inop placard.</p> <p>Signature <u></u> Date <u>6/6/2016</u>                  Simon Crawford, A&amp;P 3277003</p>		
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	<p><b>Primeplanes Aircraft Services Inc.</b>                  111 Aviation Drive North                  Naples, Florida 34104, ph. 239-659-4005</p> <p style="text-align: right;"></p> <p>REG. <u>N230DS</u> TYPE <u>DA 40CS</u> TACH <u>3034.5</u> HOBBS <u>3951.6</u></p> <p>Performed a 100hr inspection IAW FAR 43 appendix D and Diamond DA 40MM. Removed all inspection panels. Several panel screws found to be stripped. Removed and replaced 30ea. Removed rudder assy. Installed bonding jumper on lower portion of rudder. Reinstalled rudder. Removed and installed new pedal adjust cable on co-pilots side. Found lower rubber element on nose ldg gear torn and deteriorated. Disconnected nose gear strut. Replaced center tube assy on the nose gear dampner with servicable part. Disassembled, cleaned and installed new rubber element. Reassembled and reinstalled strut. Placed aircraft on jacks. Removed L/H and R/H brake assy's. Removed L/H and R/H wheel assy's. Removed, cleaned, inspected and repacked all wheel bearings. Reinstalled wheel assy's. Removed and replaced all brake linings. Reinstalled brake assy's. Removed aircraft from jacks. Reinstalled overhauled roll servo. Removed and replaced ELT bat's. Tested ELT with no faults. Reinstalled all inspection panels. AD's checked through 7/6/2016. I certify that this aircraft has been inspected and has been found to be in an airworthy condition.-END-</p> <p>Signature <u></u> Date <u>7/6/2016</u>                  Ken A. Bynon A&amp;P 264519426</p>		
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# AIRCRAFT AIR TIME AND ENGINEERING RECORD

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

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

<b>BROU FORW</b>	<p><b>Primeplanes Aircraft Services Inc.</b> 111 Aviation Drive North Naples, Florida 34104, ph. 239-659-4005</p>						
REG.	N230DS	TYPE	DA 40 CS	TACH	3067.1	HOBBS	3996.3
<p>Recoverd act from Immokalee with flat L/H tire. Placed act on jacks. Removed L/H brake assy. Removed L/H wheel assy. Disassembled wheel and found inner tube to have a hole and other faults. Installed new inner tube. Reassembled wheel assy. Installed wheel assy. Reinstalled and safetied brake assy. Due to condition of L/H inner tube, R/H inner tube needs to be changed. Placed act on jacks. Removed R/H brake assy. Removed R/H wheel assy. Disassembled wheel assy. Removed and installed new inner tube. Reassembled wheel assy. Reinstalled wheel assy. Reinstalled and safetied brake assy. Removed aircraft from jacks.-END-</p>							
Signature	<i>Ken A. Boynton</i>				Date	7/27/2016	
Ken A. Boynton A&P 264519426							

	<p><b>Primeplanes Aircraft Services Inc.</b> 111 Aviation Drive North Naples, Florida 34104, ph. 239-659-4005</p>						
REG.	N230DS	TYPE	DA-40 XLS	TACH	3080.2	ACTT	3080.2
<p>Installed new R/H wing tip strobe light and R/H power pack. Installed new "S" tube on pilots side outboard and new rudder peddle adjust cable. Operational check performed.—END—</p>							
Signature	<i>William J. Braybrooks</i>				Date	8/19/2016	
William J. Braybrooks A&P 3389241 IA							

	<p><b>Primeplanes Aircraft Services Inc.</b> 111 Aviation Drive North Naples, Florida 34104, ph. 239-659-4005</p>						
REG.	N230DS	TYPE	DA-40	TACH	3096.4	HOBBS	4035.4
<p>Removed Left Main brake caliper and wheel. Removed and replaced 6.00-6 tire, and tube with new. Torqued wheel halves. Reinstalled and torqued wheel and caliper, safety wired caliper bolts.</p>							
Signature	<i>Simon Crawford</i>				Date	9/6/2016	
Simon Crawford, A&P 3277003							

	<p><b>Primeplanes Aircraft Services Inc.</b> 111 Aviation Drive North Naples, Florida 34104, ph. 239-659-4005</p>						
REG.	N230DS	TYPE	IO-360-M1A	TACH	3096.9	HOBBS	4036.3
<p>Drained oil, removed and replaced oil filter with new P/N CH48110-1, cut open and inspected filter for metal, none noted. Added 7 quarts of Aeroshell 15W-50 oil. Performed Run-up/leak check, no leaks noted.</p>							
Signature	<i>Simon Crawford</i>				Date	9/7/2016	
Simon Crawford, A&P 3277003							

CARRIED FORWARD

LICENCE NUMBER

REMOVED AND REPLACED FAILED AUDIO PANEL P/N: 19-00545-00 S/N: 47106017 WITH OVERHAUL P/N: 011-00809-00 S/N: 47116391. THE UNIT WAS REPROGRAMMED WITH SW AND CONFIGS FROM MAIN SOFTWARE VS. 0321.22. ALL WORK PERFORMED IN ACCORDANCE WITH LMM DOC# 190-00545-01 REV J DATED 31 JAN 2016. PERFORMED FUNCTIONAL CHECKS AND DEBROUILLAGE.

DETAILS PERTAINING TO THE WORK PERFORMED WERE FOUND ON APG AVIONICS CRS# N10R037B WORK ORDER# A8109 DATED 21 SEPTEMBER 2016.

SIGNED:  DATE: 21 Sep 2016

APG AVIONICS CRP# N10R037B 10000 Airplane Way, Punta Gorda FL 33982  
 (813) 377-5750 <http://www.avionix.com>

<b>PrimePlanes Aircraft Services Inc.</b>			
111 Aviation Drive North Naples, Florida 34104, ph. 239-659-4005			
REG. N230DS	TYPE DA-40	TACH 3122.1	HOBBS 4072.8
Removed R/H main brake caliper and wheel. Removed and replaced tire with new P/N 072-312-0, torqued wheel halved to 150 lbs/in. reinstalled on gear, and torqued wheel, caliper and safetied. Removed nose wheel. Removed and replaced tire with new P/N 06-08010. torqued wheel halved to 90 lbs/in. reinstalled, torqued and safetied. END			
Signature 	Date		10/14/2016
Simon Crawford, A&P 3277003			

MAKE: Diamond  
MODEL: DA 40  
S/N: 40.599  
REG. NO: N230DS  
WORK ORDER:  
7783-10-2016



PrimePlanes Aircraft Services, Inc.  
111 Aviation Drive North - Naples, FL 34104  
239-659-4005 [www.prlmeplanes.com](http://www.prlmeplanes.com)

DATE: 11/02/16  
A/C TSN: 3133.4  
HOBBS: 4087.6

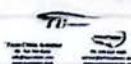
**Airframe Entries**

C/W a 100 hour inspection IAW FAR Part 43, appendix D, removed brakes, Removed wheels, serviced all wheel bearing, reinstalled wheels and brakes, torqued and safetied as required. Inspected and tested ELT IAW 91.207, lubed Aircraft as required. AD's researched through 11/02/2016. I certify that this Airframe has been inspected IAW a 100 hour inspection, and is determined to be in an airworthy condition.—Remove and replace Instrument dimmer Potentiometer with new P/N KKS3U5021R24. ops checked good.—Remove and replace map light Assy. P/N DAI9033-00-01 I.A.W Diamond AMM. —Removed clips, cleaned clips, and clip mount areas on gear legs. applied clips to legs with Adhesive.—All wing panel nut plates were cleaned and anti-seize was applied.—Cleaned areas, mixed and applied 3 coats of finish paint for protection.—Installed new skid plate using 3 new attaching hardware.—clean sealant area. apply new sealant—Removed broken terminal end, replaced with new end, and torqued nut.

The aircraft, airframe, engine, propeller, or appliance above was repaired and / or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

DATE: 11/02/16 SIGNED:  Work Order: 7783-10-2016  
Simon Crawford, A&P 3277003 Printed by EBis 3 (datcomedia.com)

MAKE: Diamond  
MODEL: DA 40  
S/N: 40.599  
REG. NO: N230DS  
WORK ORDER: 7754-10-2016



**TC Aero Group**  
200 Aviation Drive N Suite #6  
Naples, FL 34104  
Phone: 888-778-7443

DATE: 10/10/16  
A/C TSN: 3133.4  
HOBBS: 4072.8

**Airframe Entries**

Contacted Garmin and they Advised replacing both GIA63 Computers with O/H units. Replaced Fwd unit with s/n 48104654 Rear unit s/n 48105094 and loaded them with new Garmin Software configured for this aircraft.

The aircraft, airframe, engine, propeller, or appliance above was repaired and / or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

DATE: 10/10/16 SIGNED:  Work Order: 7754-10-2016  
Printed by EBis 3 (datcomedia.com)

MAKE: Diamond  
MODEL: DA 40  
S/N: 40.599  
REG. NO: N230DS  
WORK ORDER: 7941-12-2016

AIR  TC Aero Group  
Naples

DATE: 2/19/16  
A/C TSN: 3170.6  
HOBBS: 4137.3

**Airframe Entries**

DATE

Removed access panel under the fuselage. Disconnected electric fuel pump electrical connection. Disconnected inlet hose. Disconnected outlet hose. Removed clamps. Removed fuel pump. Installed new fuel pump P/N 5100-00-9. Installed outlet hose. Installed inlet hose. Connected electrical cable to the fuel pump. Performed an operational check and check for leaks, none noted at this time.—Perform Diamond recommended checks on Auto pilot. Auto pilot still inop.—Remove pilots/copilots seats, remove center console assembly. Found Electric trim chain had slipped of trim wheel sprocket. Ran trim up and down, detected a binding. Cleaned and lubed trim tab and trim wheel moving points. Ops checked, wheel moved free. Reattached trim chain to sprocket. noted that the alignment of the electric trim sprocket needed re-rigging. Re-rigged to allow smooth action of both trim inputs. Reinstalled center console, and both front seats, performed ops check.

OR COMPLETE

BROUG  
FORWA

The aircraft, airframe, engine, propeller, or appliance above was repaired and / or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

DATE: 12/19/16

SIGNED:  SIMON CRAWFORD  
AIP 3277003

Work Order: 7941-12-2016


Printed by EBis 3 (datcomedia.com)

**AIRCRAFT LOG ENTRY**

January 19, 2017 N230DS 3188.9 HRS TTIS  
Removed the Mid-Cont. 1394T100-12RB, Turn Coordinator s/n G15-10898 and replaced it with a new Mid-Cont. 1394T100-12RB, S/NK16-11590 to clear inoperative Autopilot. Ramp checks good.

The aircraft and/or component identified above was inspected in accordance with current FAA Regulations and was found airworthy and approved for the return to service.

Palm Beach Avionics, Inc. FAA CRS MI4R363M  
Work Order: 31579

  
Authorized Signature

MAKE: Diamond  
MODEL: DA 40  
S/N: 40.599  
REG. NO: N230DS  
WORK ORDER: 8032-02-2017

AIR  Naples, Dba:

DATE: 2/22/17  
A/C TSN: 3188.6 342.2  
TACH: 3192 #2

**Airframe Entries**

Performed Annual Inspection IAW FAR 43 appendix D and Diamond DA 40 AMM inspection checklist. Removed all inspection panels for visual inspection. CWV AD 2015-19-07 fuel injector lines by inspection. next due 3292.2 hrs. Performed ELT function check IAW FAR 91.207 D. Battery expiration 02/7/2018. Inspected aircraft battery and box. Inspected and lubricated all flight control cables, push tubes and bellcranks. Cleaned, inspected and repacked all wheel bearings. AD's checked thru 2017-02. I certify that this aircraft has been inspected IAW an annual inspection and is in an airworthy condition.—Removed Right flap push/pull bonding strap. Installed a new Terminal end, reinstalled on Flap.—Removed expired emergency back up battery. Installed new battery P/N D41-2560-93-00. Expires 02/07/2019.—Adjusted prop governor cable. Ground run ops check required.—Removed Spinner, removed Propeller, Removed and replaced Spinner backplate with new. P/N C-2294-5P. Reinstalled propeller, torqued IAW Hartzell prop install instructions and Safety wired bolts. Reinstalled Spinner.—Removed worn fastener from bottom cowling. Installed new fastener P/N 244-16G.—Removed broken bonding strap from L/H aileron rod end. Fabricated and installed new bonding strap with new ring terminals P/N 320575, 35110, and 1/4 inch braid P/N 863.—Tightened elevator bell crank mount bolts and removed excessive play.—Removed bent Auto-pilot holder assembly. Installed new holder assembly P/N D41-2213-37-00.—Removed broken bonding straps from flap rod end. Fabricated and installed two new bonding straps. With two each new ring terminals P/N 320575, 31894, and two lengths of braid P/N 863.—Removed ELT from aircraft. Opened ELT and replaced batteries with 8 new Duracell D4 (MN1300) batteries. Next ELT battery due date 02/2018. Performed operational check. Installed ELT in aircraft.—Removed worn section of scat hoses. Spliced in two new sections of scat P/N 05-29086.—Removed old sealant from loose gap seals. Cleaned, masked off, and installed new sealant to L/H and R/H wing root gap seals.—Sanded and blended missing paint areas of prop. Masked off and painted tips and face of prop.—Removed damaged pitch trim actuator cable ball pin. Installed new ball pin P/N CS-8-M5. Performed test and adjustment of elevator trim control system.

The aircraft, airframe, engine, propeller, or appliance above was repaired and / or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

DATE: 2/22/17

SIGNED:   
William Braybrooks AIP 3389241 IA

Work Order: 8032-02-2017

Printed by EBis 3 (datcomedia.com)

MAKE: Diamond  
MODEL: DA 40  
S/N: 40.599  
REG. NO: N230DS  
WORK ORDER: 8318-05-2017

AIR  Naples, Dba:

DATE: 6/12/17  
A/C TSN: 3250.2 3276.9  
HOBBS: 4249.9 4274.0

**Airframe Entries**

Found Pilot side canopy latch pin loose and extruding. Repositioned pin back to correct location.—Found Instrument light knob loose. Reinstalled and tightened knob, and turned instrument lights on. Ops check good.—GIA 1 was sent for repair. Install GIA 1 unit and reconfigured the system. No further discrepancies noted at the moment.

The aircraft, airframe, engine, propeller, or appliance above was repaired and / or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

DATE: 6/12/17

SIGNED:  SIMON CRAWFORD  
AIP 3277003

Work Order: 8318-05-2017

Printed by EBis 3 (datcomedia.com)

# ENGINEERING RECORD

Aircraft :- N230DS      S/N :- 40599      DA-40  
 Date :- 7/14/2017      Tach :- 12,6 Hobbs :- 4294.0

LICENCE  
NUMBER

C/W a 100 hour Airframe inspection IAW FAR Part 43, appendix D. Using Diamond DA-40 MM checklist as a guide. Performed ELT test IAW 91.207(d). Lubed airframe as required. AD's researched through 7/14/2017. I certify that this Airframe has been inspected IAW a 100 hour inspection, and is determined to be in an airworthy condition -- end --

*Simon Crawford*  
 Simon Crawford A&P 32770

## PFD      ALTIMETER SCALE CORRECTON CARD

REFERENCE ALTITUDE IN FT.	ALTIMETER READS	REFERENCE ALTITUDE IN FT.	ALTIMETER READS
-1000	-1000	14000	14000
0	0	16000	15990
500	500	18000	17990
1000	1000	20000	19990
1500	1500	22000	----
2000	2000	25000	----
3000	3000	30000	----
4000	4000	35000	----
6000	6000	40000	----
8000	8000	45000	----
10000	10000	50000	----
12000	12000		

Tested By: *[Signature]*      N#230DS      Date: 02-13-2018

**Mustang Aviation**  
Repairs - Maintenance - Parts  
 FAA CRS# UTYR015L  
 Lexington, KY 40510

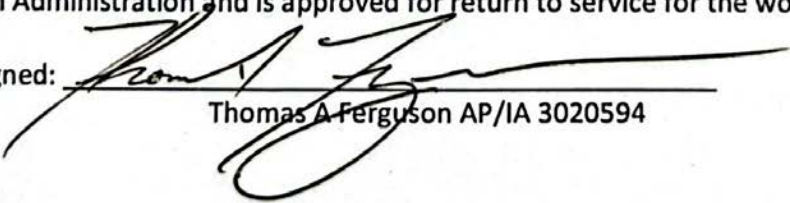
**Airframe Log Book**  
**March 23, 2018**

Reg No: <b>N230DS</b>	Aircraft type: <b>DA40</b>	Aircraft S/N: <b>40.599</b>
Tach: <b>3402.5</b>	Hobbs: <b>n/a</b>	Aircraft Total Time: <b>3402.5</b>
Engine Total Time: <b>1015.0</b>	Engine SMOH: <b>n/a</b>	Engine S/N: <b>RL-32269-51E</b>
Prop Total Time: <b>3402.5</b>	Prop SMOH: <b>1015.0</b>	Prop S/N: <b>CH39313B</b>

1. I certify that this aircraft has been inspected in accordance with an Annual inspection and found to be in airworthy condition. Inspection performed in accordance with FAR 43 appendix D, using the Diamond DA40 maintenance manual inspection guide as a reference.
2. c/w AD 2015-19-07 by inspection of fuel injector lines. Checked good. Next due: 3502.5 or next annual.
3. AD 2017-16-11 n/a per s/n and date.
4. c/w FAR 91.207 by ELT ops check and inspection. Installed new Duracell batteries and new panel switch battery. Next due: 3/2020.
5. c/w OSB40-073 by installation of new tall canopy bubble to the existing canopy frame. Installed per Work Instructions WI-OSB 40-073 Rev 0.
6. c/w Garmin ICW by installation of 5 new lightning protection filters.
7. Installed new pilot's right rudder pedal "S" tube assy 22-2727-12-00 and new cable assy for pilot's right rudder.
8. Installed new Aerographics stipes and N-numbers.
9. Installed new self-adhesive wingwalk tape.
10. Epoxied on new left wing jack pad to replace missing one. DV2-1200-00-02
11. Installed all new static wicks and epoxied on new static wick bases. (16630, DA4-5185-40-00) used conductive epoxy CW2400
12. Installed new belly com antenna.
13. Right main gear, replace outboard wheel half with new 161-04700. Cleaned and painted inner surfaces of other wheel halves.
14. Installed new brake disks and pads.
15. Installed new main tires s/n's 6116S00286, 6179S00039
16. Installed new air seal around oil cooler inlet and around induction airfilter inlet.
17. Installed new induction air filter. FR-08504
18. Repaired inlet air scoop by manufacturing patch from 2024-T3 aluminum and riveting on.
19. Installed new flap counter weight brackets on left and right flaps. DA4-5751-00-62
20. Installed new stall horn.
21. Replace various hardware throughout the airframe due to rust.
22. Installed new cowling fasteners
23. Installed new tail skid DA4-5183-00-61

This aircraft, airframe, engine, propeller, or appliance identified was repaired and/or inspected in accordance with the current regulations of the Federal Aviation Administration and is approved for return to service for the work performed.

Date: March 23, 18

Signed:   
Thomas A Ferguson AP/IA 3020594

**Registration:** N230DS

**A/C Model:** Diamond DA-40

**S/N:** 40.599

- Removed Garmin GTX-33 Transponder and replaced with a Garmin GTX-335R Transponder in accordance with STC SA01714WI. ADS-B was activated and tested on the ground using the Aeroflex IFR-6015 test set. System was found to be in compliance with 14 CFR 91.227.
- Removed Garmin GA-55 Antenna and replaced with a Garmin GA-37 Antenna.
- See FAA Form 337 dated this date.

The aircraft or component above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this Repair Station under Southeast Aerospace, Inc. **WP# 234**

Signed:  Date: 06/01/2018

For Southeast Aerospace, Inc. FAA CRS# S66R266N  
1399 General Aviation Drive, Melbourne, FL 32935



Registration: N230DS A/C Model: DA 40 S/N: 40.599 Hobbs: 4566.1

- Removed PFD and sent to Garmin for repair. Reinstalled repaired unit and configured IAW Garmin Install Bulletin No: 1106, Rev A.
- Removed MFD and sent to Garmin for repair. Reinstalled repaired unit and configured IAW Garmin Install Bulletin No: 1106, Rev A.
- Updated databases IAW Garmin G1000 Maintenance Manual # 190-00907-00, Rev E. System checks good.
- Performed outgoing inspection and inspect for return to service.

The aircraft or component above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this Repair Station under Southeast Aerospace, Inc. WP #300

Signed:  Date: 12/05/2018

For **Southeast Aerospace** FAA CRS# S66R266N  
1399 General Aviation Drive, Melbourne, FL 32935

DNK

3/5/2019

AIRFRAME LOG ENTRY N230DS

Hobbs  
TACH: 4580.8

COMPLETE

Completed an annual inspection of this AIRFRAME In Accordance With FAR 43 Appendix (d) and the Diamond DA40 Maintenance Manual Inspection Checklist. AD's reviewed and complied with through 2019-2/-3. Fuel selector universal joint ok. Inspected nose strut suspect area, no defects found. Inspected control surfaces and cables for condition and security, no defects noted. Inspected tires, wheels, and brakes, ok. Replaced right main tire due to flat spot. Lubricated all hinges and pivot points. Replaced ELT batteries, performed an ELT test IAW CFR 14 91.207(d). Batteries due 2021. \*  
 "The AIRFRAME noted above has been inspected/repared IAW the above references and has been found to be in an airworthy condition and has been approved for return to service".

MICHAEL HUGHES AP/IA 3361639

10/25/2019

Reattached the weatherstripping between the right wing and the fuselage at the trailing edge

Tach:

Hobbs 4628.2

Check A+P 2679256

2/24/2020

AIRFRAME LOG ENTRY N230DS

Hobbs  
TACH: 4658.9

Completed an ANNUAL inspection of this AIRFRAME In Accordance With FAR 43 Appendix (d) and the Diamond Aircraft DA40 Maintenance Manual Inspection Checklist. AD's reviewed and complied with through 2020-04/-05. Inspected control surfaces and linkages for condition and security, no defects noted. Lubricated all pivot points. Inspected tires wheels and brakes. Replaced brake pads, p/n RA066-10600. Inflated tires. Checked all exterior lights and stall warning system, no defects noted. Inspected nose wheel /strut for defects, ok. Fuel selector operation normal.  
 "The AIRFRAME noted above has been inspected/repared IAW the above references and has been found to be in an airworthy condition and has been approved for return to service".

MICHAEL HUGHES AP/IA3361639

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

SIGNATURE

LICENCE NUMBER

7-20-2020 AD DIAMOND DA 40  
 FUEL LINE

REMOVED AIR FROM LOGS FROM INVOICE DATES  
 SUPPLIED BY DIAMOND, ONTARIO CA

FROM 13-07-2017 THRU 26-02-19  
 SHOW NO FUEL HOSE REPLACEMENT FOR THE LIFE OF AIRCRAFT  
 TO DATE!

INFO FROM DIAMOND MANDATORY SERVICE BULLETIN  
 L.11 MSB 40-087 REV.3

INFO COMPILED & SENT TO MB BY KEISTEN SPENCER  
 (PARTS ASSISTANT FOR)

PREMIER AIRCRAFT SALES + SERVICE (DIAMOND SHOP)

FT LAUDERDALE EXEC AIRPORT  
 5544 N.W. 23RD AVE  
 FT. LAUDERDALE FL 33309

954 334 2393 SERVICE OFFICE




104 Grafton Drive Portsmouth New Hampshire 03801  
 FAA Certified Repair Station No. P49R490N

October 27, 2020 N230DS Diamond DA 40 S/N 40.599 Hobbs: 4763.9 W  
 Performed certifications of the aircraft's static system, G1000 altimeter and standby altimeter to 20K feet reporting system and the transponder as required by FAR part 91.411 and 91.413, IAW FAR part 43 ap. The aircraft and/or components identified above were repaired in accordance with current FAR'S a manufacturer recommendations and are approved for return to service.

Authorized Signature: Alec Jordan




104 Grafton Drive, Portsmouth NH, 03801  
 FAA Certified Repair Station No. P49R490N  
 Aircraft: N230DS Date: 10/27/20  
 Altimeter: G1000

Test	Error	Test	Error
-1000	0	14,000	-25
0	-10	16,000	-30
500	0	18,000	-35
1000	-10	20,000	-40
1500	-10	22,000	
2000	-10	25,000	
3000	-10	30,000	
4000	-10	35,000	
6000	-15	40,000	
8000	-20	45,000	
10,000	-20	50,000	
12,000	-20		



wo: WO2020169

Airframe - page 1 of 1

DA

# CURTIS AIR

COMPLETE

Curtis Air - 176 Harrison Street - Pittsfield, ME 04967 - 2074875213

BRO FOR

N230DS  
TACH: 3643.2

Diamond, DA-40, S/N: 40.599  
AFTT: 3643.2

November 17, 2020

REPLACED  
10/24/21

1. Installed new electric fuel pump. Installed (1) 5100-00-9 - CJ Fuel Pump, S/N: 4349.
2. Installed new left strobe light tube assy. Installed (1) A610 - Whelen strobe.
3. Re-secure leading edge tape on left wing with 1300L.
4. Repositioned alternator wires and rubber boots.
5. Removed expired emergency back up battery and installed a new (1) D41-2560-93-00 - Emergency Back-up Battery, S/N: 20-0003-00044. Expires May 2027
6. Rotated right main tire to extend life.
7. Replaced left brake liners Installed (2) 066-10600 - Brake Lining.
8. Replaced right brake liners Installed (2) 066-10600 - Brake Lining.
9. Replaced nose wheel bearings & races Installed (2) 08231 - Bearing race, Installed (2) 08125 - Wheel bearing.
10. Found AD 2020-14-06 to be not applicable, no fuel hoses replaced.
11. This airframe has been inspected in accordance with an annual inspection and found to be airworthy at this time. Installed a new air filter element.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Curtis Air under work order: WO2020169.

Caleb Curtis A&P IA 2679256

*Caleb K. Curtis*

3-12-21

REPLACED 8 D CELL BATTERIES

UNIT CHECK FOR SIGMA

REINSTALLED BY OWNER DENNIS BIELSKI

3-10-21

Remove L/R WING TIP / STROBE LIGHTS + EMERGENCY PACK  
REPLACE WITH

WHELEN ORION 6502R

MICHAEL HUGHES A/P/IA 3361639

# ENGINEERING RECORD

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

SIGNATURE

LICENCE  
NUMBER

4/14/2021

REPLACE MAIN TIRES + TUBS

REPLACE NOSE TIRE + TUB

PACK BEARINGS

INSTALL NEW BRAKE LININGS

DONE BY MIKE HUGHES

TACH 3735.3

HOBBS 48944

MICHAEL HUGHES AP/IA 3301639

10-24-2021

TAC TIME

3793.8

HOBBS

4975.0

REMOVE + REPLACE w/REBUILT ELECTRIC FUEL PUMP  
UNDER WARRANTY

C-J AVIATION

PART # 5100-00-9CJ

SERIAL # 4126

W/O # 32163

MICHAEL HUGHES AP/IA 3301639

10-30-2021

TAC TIME

3793.8

HOBBS

4975.0

REMOVE + REPLACE

PRECISION AIRMOTEC LLC

FUEL INJECTOR SERVO

MO. # RSA SADI

SERIAL # 720T0H01

IC #3

2576568-1

MICHAEL HUGHES AP/IA 3301639

10-30-2021

Test flight & return to service  
Michael Stenzel #4103657

ELT

3-12-21

Replaced 8 D Cells  
Ballistics

Unit checked for signal

By Mike Hughes AMJ

Reinstated by D.B.

MICHAEL

AIR TIME AND

**11/28/2021**

**AIRFRAME LOG ENTRY N230DS**

**HOBBS: 4978.4**

Completed an ANNUAL Inspection of this AIRFRAME In Reference to FAR 43 Appendix (d) and the Diamond DA40 Maintenance Manual Inspection Checklist. AD's reviewed and complied with through 2021-24/25. Inspected control surfaces and cables for condition and security, no defects noted. Lubricated all pivot points. Performed an ELT test IAW FAR 91.207(d). Batteries due <sup>11/2022</sup> 2022. Inspected tires, wheels and brakes, ok. Checked all exterior lights and stall warning system, ok. "The AIRFRAME noted above has been inspected IAW the above references and has been found to be in an airworthy condition and has been approved for return to service".

MICHAEL HUGHES AP/ IA 3361639



**12/3/2022**

**AIRFRAME LOG ENTRY N230DS**

**HOBBS: 5196.6**

TAC 3949.9

Completed an ANNUAL Inspection of this AIRFRAME In Reference To FAR 43 Appendix (d) and the scope and detail of the Diamond DA40 Maintenance Manual Inspection Checklist. Reviewed and complied with three recurring AD's by visual inspection, no defects noted. Inspected control surfaces and linkages for condition and security, ok. Lubricated entire airframe. Inspected tires, wheels and brakes, ok. Checked all exterior lights, ok. "The AIRFRAME noted above has been inspected/repared IAW the above references and has been found to be In an airworthy condition and has been approved for return to service ". MICHAEL HUGHES AP/IA 3361639



N230DS  
Diamond DA40  
S/N: 40.599



7/26/2024  
Tach: 4210.3  
Hobbs: 5537.8


**Performed the following maintenance:**

1. Removed the Manifold Pressure Sensor (P/N: APT-151B-1000\_20A; S/N: 6628-2-262) and installed a new Manifold Pressure Sensor (P/N: APT-151B-1000\_20A; S/N: 8500-2-282). Operational checks found to be satisfactory.

All work was performed with current regulations of the FAA and is approved for return to service. Details are on file at this Repair Station under WO #17898.

Daytona Aircraft Services, Inc.  
561 Pearl Harbor Drive  
Daytona Beach, Florida 32114

Authorized Signature: \_\_\_\_\_

  
FAA CRS DYTR262K

-----END-----

CARRIED FORWARD

# ENGINEERING RECORD

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

SIGNATURE

LICENCE  
NUMBER

Date: 12/15/2022  
Hobbs: 5203.6  
WO#: A004284

**Sun Aviation, Inc.**  
**Avionics**  
**Aircraft Log**

A/C Reg#: N230DS  
A/C Serial#: 40.599  
A/C Model: DA40

The Following Altimeter(s), Altitude Encoder, and Static Pressure System(s) have been inspected IAW FAR 91.411 and conform to FAR PT 43, Appendix E, to 25,000 FT.

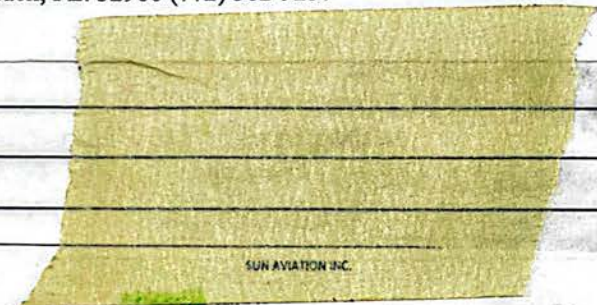
#1 ADC Model: GDC74A S/N: 47805621  
Stby Alt Model: 5934PD-3 S/N: 449765

The following transponder(s) have been inspected IAW FAR 91.413 and conform to FAR PT 43, Appendix F

#1 XPDR Model: GTX345R S/N: 3EF420124

**MAINTENANCE RELEASE:** This aircraft, airframe, aircraft engine, propeller or appliance was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. All work was performed in accordance with applicable aircraft, engine and or appliance maintenance manuals and instructions. Pertinent details are on file at the repair station office.

Signature:  FAA CRS ECWD470D  
Sun Aviation, Inc. Vero Beach, FL. 32960 (772) 562-9257



SUN AVIATION INC.

ALTIMETER/AIR DATA COMPUTER TEST AND INSPECTION FORM

W/O #: A004284 DATE: 12/15/2022 TAIL#: N230DS  
MAKE: Garmin MODEL: GDC 74A S/N: 47805621  
POSITION: Pilot ADC ALT AT START(Baro 29.92): -45 ft.

SCALE ERROR			FRICTION		BARO SCALE ERROR (TOL +/- 25ft)		
TEST ALTITUDE	UUT READING	TOL +/-	READING	TOL +/-	BARO SETTING (Inches of HG)	EQUIV ALT DIFFERENCE	UUT READING
-1000	-1020 ft.	20			28.10	-1,727	N/A
0	-10 ft.	20			28.50	-1,340	N/A
500	490 ft.	20			29.00	-863	N/A
1000	990 ft.	20	N/A	70	29.50	-392	N/A
1500	1490 ft.	25			29.92	0	N/A
2000	1990 ft.	30	N/A	70	30.50	531	N/A
3000	2990 ft.	30	N/A	70	30.90	893	N/A
4000	3990 ft.	35			30.99	974	N/A
5000	4990 ft.		N/A	70			
6000	5990 ft.	40					
8000	7990 ft.	60					
10000	9990 ft.	80	N/A	80			
12000	11985 ft.	90					
14000	13980 ft.	100					
15000	14980 ft.		N/A	90			
16000	15990 ft.	110					
18000	17990 ft.	120					
20000	19980 ft.	130	N/A	100			
22000	21980 ft.	140					
25000	24980 ft.	155	N/A	120			
30000	N/A	180	N/A	140			
35000	N/A	205	N/A	160			

TEST	TOL +/-	UUT READING
CASE LEAK	100ft	0 R.
HYSTERESIS	75ft @ 50%	0 R.
	75ft @ 40%	0 R.
AFTER EFFECT	30ft	0 R.

Internal Lighting operational:	N/A
Internal Vibrator operational:	N/A

RESULTS	
PASS	FAIL
✓	

REF: 14 CFR 43 Appendix E

TECHNICIAN SAK INSPECTOR 

# 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					PREVIOUS Pg. WORK

**11/02/2021 ENGINE LOG ENTRY N230DS HOBBS: 4980.8**

TAC 3798.3

Installed a new Dukes electric fuel boost pump. Replaced defective fuel servo with a new fuel servo, p/n 2576568-1. Repaired alternate air valve. Run-up and leak check satisfactory, aircraft returned to service. MICHAEL HUGHES AP/IA 3361639



**8/3/2023 ENGINE LOG ENTRY N230DS HOBBS: 5330.2**

Completed a 100 hr inspection of this ENGINE in reference to FAR 43 (appendix (d) and the Diamond DA40 maintenance manual. Changed engine oil and filter, serviced with Phillips 100AW. Serviced spark plugs, verified magneto timing. Compression test results satisfactory. Inspected exhaust system, and all flexible oil and fuel hoses, ok. Aircraft returned to service. MICHAEL HUGHES AP/IA 3361639



**8/3/2023 ENGINE LOG ENTRY N230DS HOBBS: 5369.2**

Completed a 100 hr inspection of this engine in reference to FAR 43 appendix (d) and the Diamond DA40 Maintenance Manual inspection checklist. Aircraft returned to service. MICHAEL HUGHES AP/IA 3361639



CARRIED FORWARD

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

SIGNATURE

LICENCE  
NUMBER

**10/30/2023 AIRFRAME LOG ENTRY N230DS HOBBS: 5420.4**

Completed a 100 hr inspection of this airframe in reference to FAR 43 appendix (d) and the Diamond DA40 Maintenance Manual inspection checklist. Inflated tires. No other defects noted. MICHAEL HUGHES AP/IA 3361639

**1/2/2023 AIRFRAME LOG ENTRY N230DS HOBBS: 5460.2**

Completed an annual inspection of this airframe in reference to FAR 43 appendix (d) and the scope and detail of the Diamond DA-40 Maintenance Manual Inspection Checklist. Complied with the following AD's:  
2007-11-21, u-joints on selector and fuel valve, not applicable by serial number.  
2009-10-04, visual inspection of nose gear leg for cracks. No cracks noted.  
2023-09-09, life limits for v-band exhaust clamps. Not equipped with v-band clamps.  
93-05-06, ACS ignition switch inspection. Operates properly.  
Inspected tires, wheels and brakes. Replaced brake pads. Inspected control surfaces for condition, no defects noted. Lubricated all pivot points. Cleaned corrosion from nose steering stop. Painted. Checked all external lights and stall warning system, ok.  
"The aircraft noted above has been inspected/repared IAW the above references and has been found to be in an airworthy condition and has been approved for return to service". MICHAEL HUGHES AP/IA 3361639

**1/9/2024 AIRFRAME LOG ENTRY N230DS TACH: 4171.1**

Completed an annual inspection of this airframe in reference to FAR 43 appendix (d) and the scope and detail of the Diamond DA-40 maintenance manual. Performed an ELT test IAW FAR 91.207, batteries due 6/8/2025. Reviewed and complied with all recurring AD's. Inspected control surfaces and cables, no defects noted. Inspected tires, wheels and brakes, no defects noted. Checked all external lights, ok. "The airframe noted above has been inspected/repared IAW the above references and has been found to be in an airworthy condition and has been approved for return to service ". MICHAEL HUGHES AP/IA 3361639



INSPECTION, REPAIRS & REPLACEMENT

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

SIGNATURE

LICENCE NUMBER

**4/28/2026 AIRFRAME LOG ENTRY N230DS HOBBS: 5697.2**

Completed an annual inspection of this airframe in reference to FAR 43 appendix (d) and the scope and detail of the Diamond DA40 Maintenance Manual Inspection Checklist. Reviewed and complied with all recurring AD's through 2026-09. No defects noted. Replaced ELT batteries. Next due 4/2028. Inspected / lubricated all control surfaces, no defects noted. Inspected tires, wheels and brakes, no defects noted. Checked engine controls and all external lights, no defects noted. Replaced aircraft main battery. "The airframe noted above has been inspected / repaired IAW the above references and has been found to be in an airworthy condition and has been approved for return to service". MICHAEL HUGHES AP/IA 3361639 