

AIRCRAFT TECHNICAL LOGS

Section 1. AIRFRAME

AIRCRAFT

1. Nationality and Registration N192DS
2. Manufacturer's Designation DA 40
3. Manufacturer's Serial Number 40.576
4. Type Approval or Specification Number A-224 / A47CE
5. Date of Manufacture 2005
6. Aircraft Inspection Cycle

AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETION
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD	0	0	0	0	AIRCRAFT NEW WITH HARTZELL PROPELLER INSTALLED AS PER STC No. SA01953CH



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.

SERIAL NUMBER

REGISTRATION MARK

DATE

INSPECTOR

40.576

N192DS

24 October, 2005

[Signature] DA Q 42



21 OCTOBER 2005 S/N 40.576
COMPASS DEVIATION, ALL ELECTRICS ON

FOR	N	30	60	E	120	150
STEER	360	030	060	090	121	152
FOR	S	210	240	W	300	330
STEER	181	210	240	270	300	330

INDEPENDENT CHECK OF FLIGHT AND POWERPLANT CONTROLS

DATE

INSPECTOR

24 October, 2005

B. Halberstam DA Q 81

OCT 24 2005	0	0	0	0	AIRCRAFT SERVICEABLE FOR FLIGHT
OCT 24 2005			2.5		
OCT 25 2005			2.5		AIRCRAFT SERVICEABLE FOR FLIGHT
OCT 25 2005			3.9		
OCT 26 2005			3.9		AIRCRAFT SERVICEABLE FOR FLIGHT
OCT 26 2005			4.2		
OCT 27 2005			4.2		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.

DATE

INSPECTOR

27 October, 2005

[Signature] DA Q 42

CARRIED FORWARD

ENGINEERING RECORD

INSPECTION, REPAIRS & REPLACEMENT

SIGNATURE

LICENCE
NUMBER

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

Diamond

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

INSPECTOR

24 October, 2005

DA
Q 42

Diamond

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: OCTOBER 2006

BATTERY DUE: JANUARY 2008

DATE

INSPECTOR

24 October, 2005

DA
Q 42

Diamond

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

INSPECTOR

24 October, 2005

DA
Q 42

DA
Q 42

CA396393

DA
Q 42

CA396393

DA
Q 42

CA396393

DA
Q 42

Diamond

U.S. Standard Airworthiness Certificate, issued:

(Date) OCT 31 2005, has been installed in the aircraft on behalf of NE-MIDO-46 on:

(Date) OCT 31 2005

(Print) R. SALTON (Signature) [Signature]



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			4.2		
November 01, 2005	TACH:		4	.2	Diamond Date: 01 Nov. 2005, S/N: 40.576 Reg. #: N192DS W/O RO-05-204 TACH: 4.2 HRS I Panel Cover foam strip installed I.A.W. DAIA GmbH Dwg. DA4-3104-01-00 LH & RH Flap Bellcrank Bolt LN9037-M6-40 Inspected and found to be in Safety. The maintenance described above has been performed in accordance with the applicable standards of airworthiness. DIAMOND AIRCRAFT INDUSTRIES INC. D.O.T. APPROVAL # 161-93 Signature <u><i>[Signature]</i></u> Lic. Or Stamp DA RO6
November 02, 2005	TACH:		4	.2	Diamond Date: 02 Nov 2005, S/N: 40.576 Reg. #: N192DS W/O RO-05-206 TACH: 4.2 HRS Pins on voltage regulator connector replaced I.A.W Kelly Aerospace Instructions. Ground run of aircraft carried out. Charging system operation normal. The maintenance described above has been performed in accordance with the applicable standards of airworthiness. DIAMOND AIRCRAFT INDUSTRIES INC. D.O.T. APPROVAL # 161-93 Signature <u><i>[Signature]</i></u> Lic. Or Stamp DA RO6
December 07	TACH:		4	.2	Diamond Date: December 07, 2005 S/N: 40.576 Reg. #: N192DS TSN: 4.2 HRS W/O RO-05-226 Following additional work carried out: LH wing removed and reinstalled after replacement of the Aux. Fuel tank fuel quantity sender probe with a new unit. Fuel probe P/N 3010050 S/N 108066 removed. New fuel probe P/N 3010050-WIP S/N 108390 installed. Fuel tank pressure checked for leaks and found serviceable.. Static leak check carried out. Independent check of the flight controls affected by the above work carried out. The maintenance described above has been performed in accordance with the applicable standards of airworthiness. DIAMOND AIRCRAFT INDUSTRIES INC D.O.T. APPROVAL #161-93 Signature <u><i>[Signature]</i></u> Lic or Stamp DA RO6
					CARRIED FORWARD

ENGINEERING RECORD

2

INSPECTION, REPAIRS & REPLACEMENT

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

SIGNATURE

LICENCE
NUMBER

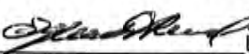
DA
Q 42

I have carried out an independent check of the Flight/Powerplant controls affected by the work accomplished.

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

Signature  Lic or Stamp 

"I certify that the Static Pressure system has been inspected and tested in accordance with Chapter 571.10, Appendix B Paragraph (a) 4(1) of the C.A.R.S and Chapter 12 section 4 Paragraph 12-57 of the AC 43.13-1B.2A

Name  License# or Stamp 

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.	
Dec 08, 2005	TACH:		5	9	Diamond Date: 08 Dec 2005, S/N: 40.576 Reg. #N192DS W/O RO-05-229 TACH: 5.9 Electric Fuel boost pump S/N: 5912 Removed. New Fuel pump S/N: 5948 Installed. Operational check and fuel leak check carried out. Found to be satisfactory. The maintenance described above has been performed in accordance with applicable standards of airworthiness. DIAMOND AIRCRAFT INDUSTRIES INC. D.O.T. APPROVAL # 161-93 Signature <u>B. H. Hester</u> Lic. Or. <u>DA 161-93</u>

Three Wing Flying Services, Inc 400 Great Meadow Rd Stratford, CT 06615
 LOG ID# 1356 04-February-2006 WO# 16851 HOBBS 37.8
 N192DS S/N 40.576 DIAMOND DA-40 TACH 27.2
 G1000 hourmeter 27.2

Pg 1 / 2

Date 02/04/2006 Aircraft Total Time 27.2 TSMOH N/A
 Hourmeter (G1000) 27.2

I certify that this aircraft has been inspected in accordance with an INITIAL 25 HOUR INSPECTION and an ANNUAL INSPECTION and current FAA Regulations and was determined to be in an airworthy condition. Pertinent details are on file at this facility under Work Order # 16851.

Three Wing Flying Services, Inc
 400 Great Meadow Rd, Stratford, CT 06615

1. Lubed all flight control hinges and rod-ends.
2. Serviced tires with air, battery and brake reservoirs.
3. Landing gear cleaned and lubed.
4. Reset loose alternator belt tension and resafitted hardware.
5. Cleared misc. chafes in engine compartment using tytraps and RTV sealant as necessary.
6. Inspected and weighed portable fire extinguisher m/n A620 s/n WS-756876. Fire extinguisher weighs 2 lbs. 4.4oz.
7. Inspected and ops tested ELT m/n E-10 s/n 053386 per FAR 91.207(d). Battery replacement due Jan 2008. Reinstalled ELT in aircraft and armed. ELT remote system ops tested good.
8. Secured loose wire at pitot heat circuit breaker.

Three Wing Flying Services, Inc 400 Great Meadow Rd Stratford, CT 06615
 LOG ID# 1356 04-February-2006 WO# 16851 HOBBS 37.8
 N192DS S/N 40.576 DIAMOND DA-40 TACH 27.2
 G1000 hourmeter 27.2

Pg 2 / 2

9. Adjusted nose wheel fork caster friction to obtain 6.75 to 11.25 pounds of friction.
10. Complied with Diamond Aircraft MSB-40-044-1 by installing engine muffler brace kit p/n MSB40-044-1 serial/batch No. W00528422. Weight and balance change negligible.
11. Inspected and cleaned main fuel filter. No leaks noted. END-----

44927725 for Anthony J. DiNuzzo

2/11/06
 Date

CARRIED FORWARD

ENGINEERING RECORD

[illegible]

AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLET
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD			31	30	Installed replacement Right storm window pivoting latch
9 Mar 06					

Three Wing Avionics, Inc. 400 Great Meadow Rd Stratford, CT 06615 SL5R201N
 LOG ID# 1130 11-December-2006 WO# 12110 AC TT 201.7 HOBBS 201.7
 N192DS S/N 40.576 DIAMOND DA 40

Pg 1 / 1

GTX-33 Failed, Config Error

Removed transponder GTX-33 PN: 011-00779-00 SN: 84701589 and installed exchange unit
 PN: 011-00779-00 SN: 84702175. Complied with SSB 0619 Rev B dated 9/26/2006.

System ops checked good. Transponder ramp tested good per FAR 43 App F.

END

David Laborde SL5R201N

Date

11 Dec 2006

Airframe

Columbia Air Services, Inc.
LOG BOOK ENTRY

Page 1 of 2

A/C REG: **N192DS**

A/C S/N: **40.576**

DATE: **03/15/07**

A/C TOTAL TIME: **183.8 (TIS)**

HOUR METER: **237.4**

W/O NO: **MWO-07-2024**

ENGINE TOTAL TIME

S.M.O.H.

1. Complied with a 100 hour/Annual inspection in accordance with Diamond Aircraft DA-40 A.M.M. chapter 05-20-00.
2. **AD 2006-23-04** amend. 39-14816 dated 11/28/06, Garmin G1000 per **Diamond Mandatory SB 40-048/2**, does not apply. Aircraft had more than 50 hours time in service on 9/18/06 (effective date of SB). No further action required.
3. **AD 2006-24-07** amend. 39-14836 dated 1/3/07, Propellers returned to service by CSE Aviation, does not apply. Installed propeller, Hartzell Model HC-C2YR-1BF, S/N: CH39224B is not listed in Table 1 of AD note. No action required.
4. Complied with **Diamond Mandatory Service Bulletin No. MSB-40-033**, Inspection exhaust system riser flanges. Performed visual inspection of flanges for cracks, none noted at this time. **Inspection next due: 233.8 TIS/287.4 ACTT.**
5. Complied with **Diamond Mandatory Service Bulletin No. MSB-40-046**, Inspection of the nose landing gear leg. Inspected nose landing gear leg pivot for cracks, none noted at this time. **Inspection next due: 283.8 TIS/337.4 ACTT.**
6. Inspected ELT in accordance with FAR 91.207d, found to be satisfactory. **ELT battery replacement due January 2014.**
7. Removed, serviced and charged aircraft's lead acid battery (S/N: 40097199).
8. Repositioned horizontal stabilizer ground strap to prevent chafing.

-----CONTINUED-----

CARRIED FORWARD

ENGINEERING RECORD

4

INSPECTION, REPAIRS & REPLACEMENT

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

SIGNATURE

LICENCE
NUMBER

[Signature]

[Signature]

67148116

Airframe Cont'd

LOG BOOK ENTRY (CONT.)

Page 2 of 2

WO NO.

MWO 07-2024

9. Defueled left wing. Removed and inspected fuel sender. Applied fuel lubricant to threads and reinstalled. Installed anti-chafe tape to wiring. Refueled left wing, leak check satisfactory.

10. Retensioned ELT RCPI module pin to proper pressure. Resecured connector as required. Operational check satisfactory.

11. Resealed left wing gap filler strip as required.

12. Performed Diamond Aircraft trim and autopilot servos clutch friction torque checks in accordance with Diamond DA-40 A.M.M. chapter 06-00-00 and 22-10-0. Adjusted clutch friction torques as required.

13. Removed and reinstalled pilot and co-pilot seat belt hardware in the correct positions. Resecured air duct to foot warmer as required.

14. Retensioned alternator belt in accordance with Diamond Aircraft DA-40 A.M.M. chapter 24-30-00.

15. Performed post inspection ground run, operational and leak checks satisfactory.

COLUMBIA AIR SERVICES, INC.
GROTON-NEW LONDON AIRPORT
GROTON, CONNECTICUT 06340

FAA Repair Station #SOSR204N Work Order # MWO-07-2024
I certify that this Airframe has been inspected in accordance with a 100 Hour/Annual Inspection of Diamond Aircraft DA-42 AMM chapter 05-20-00 and has been found airworthy for the work performed.
Date: 03/15/07 A/C Total Time: 183.8 TIS/237.4 (Hubbs)
Signature: *[Signature]*
Title: Chief Inspector

-----END-----

Maintenance Release

The Aircraft, Airframe, Engine, Propeller, Or Appliance Identified Above Was Repaired And Inspected In Accordance With Current Regulations Of The Federal Aviation Administration And Is Approved For Return To Service For The Work Performed. Permanent Records Of The Repair Are On File At This Repair Station Under

W/O# MWO-07-2024 Date 03/15/07 Signed *[Signature]*
For Columbia Air Services, Inc. FAA Certified Repair Station # SOSR204N Groton-New London Airport Groton, CT 06340

AIR TIME AND

[illegible]

Airframe A/C REG: <u>NI92DS</u>		Columbia Air Services, Inc. LOG BOOK ENTRY		Page 1 of 1 A/C S/N: <u>40.576</u>
DATE: 04/17/07	A/C TOTAL TIME: 205.9 (TIS)	HOUR METER: 264.3 (ACTT)		
W/O NO: MWO-07-2061	ENGINE TOTAL TIME		S.M.O.H.	

1. Performed Diamond Aircraft trim and autopilot servos clutch friction torque checks in accordance with Diamond DA-40 A.M.M. Temporary Revision #TR-MAM-40-126, Correction of the Friction Values of the Autopilot Clutches and chapter 22-10-00. Adjusted clutch friction torques as required Operational check satisfactory..
2. Inspected fuel servicing of left and right wings, found both tanks over-serviced. Adjusted fuel and advised owner/operator of proper servicing technique. Work performed in accordance with Diamond DA-40 A.M.M. chapter 78-10-00.

-----END-----

Maintenance Release

The Aircraft, Airframe, Engine, Propeller, Or Appliance Identified Above Was Repaired And Inspected In Accordance With Current Regulations Of The Federal Aviation Administration And Is Approved For Return To Service For The Work Performed. Permanent Records Of The Repair Are On File At This Repair Station Under:

W/O# NWO-47-2061 Date: 04/17/07 Signed: Kallista H. Sigs

For **Columbia Air Services, Inc.** FAA Certified Repair Station # S05R204N Groton-New London Airport Groton, CT 06340

CARRIED FORWARD

AIR TIME AND

[illegible]

Airframe		Columbia Air Services, Inc.		Page 1 of 1	
LOG BOOK ENTRY					
A/C REG: <u>N192DS</u>		A/C S/N: <u>40.576</u>			
DATE: 04/17/07		A/C TOTAL TIME: 205.9 (TIS)		HOUR METER: 264.3 (ACTT)	
W/O NO: MWO-07-2061		ENGINE TOTAL TIME			S.M.O.H.

1. Performed Diamond Aircraft trim and autopilot servos clutch friction torque checks in accordance with Diamond DA-40 A.M.M. Temporary Revision #TR-MAM-40-126, Correction of the Friction Values of the Autopilot Clutches and chapter 22-10-00. Adjusted clutch friction torques as required Operational check satisfactory..
2. Inspected fuel servicing of left and right wings, found both tanks over-serviced. Adjusted fuel and advised owner/operator of proper servicing technique. Work performed in accordance with Diamond DA-40 A.M.M. chapter 78-10-00.

-----END-----

Maintenance Release

The Aircraft, Airframe, Engine, Propeller, Or Appliance Identified Above Was Repaired And Inspected In Accordance With Current Regulations Of The Federal Aviation Administration And Is Approved For Return To Service For The Work Performed. Permanent Records Of The Repair Are On File At This Repair Station Under:

W/O# MWO-47-2861 Date: 04/17/07 Signed: Kallister H. Solg

For **Columbia Air Services, Inc.** FAA Certified Repair Station # S05R204N Groton-New London Airport Groton, CT 06340

CARRIED FORWARD

ENGINEERING RECORD

Airframe

Columbia Air Services, Inc.
LOG BOOK ENTRY

Page 1 of 1

A/C REG: N192DSA/C S/N: 40.576

DATE: <u>07/11/07</u>	A/C TOTAL TIME: <u>263.5 (TIS)</u>	HOUR METER: <u>334.0</u>
W/O NO: <u>MWO-07-2170</u>	ENGINE TOTAL TIME	S.M.O.H.

1. Jacked aircraft. Removed left main wheel assembly. Disassembled, cleaned, inspected and reassembled wheel using a new inner tube, P/N: 302-246-401. Serviced to proper pressure, leak checked and found to be satisfactory. Reinstalled wheel assembly. Work performed in accordance with Diamond Aircraft DA40 Series M.M. chapter 32-40-00.

-----END-----

Maintenance Release			
The Aircraft, Airframe, Engine, Propeller, Or Appliance Identified Above Was Repaired And Inspected In Accordance With Current Regulations Of The Federal Aviation Administration And Is Approved For Return To Service For The Work Performed. Permanent Records Of The Repair Are On File At This Repair Station Under:			
W/O#	MWO-07-2170	Date	07/11/07
Signed		<i>Kallisto H. Soly</i>	
For Columbia Air Services, Inc. FAA Certified Repair Station # S05R204N Groton-New London Airport Groton, CT 06340			

Airframe

Columbia Air Services, Inc.
LOG BOOK ENTRY

Page 1 of 1

A/C REG: N192DSA/C S/N: 40.576

DATE: <u>10/04/07</u>	A/C TOTAL TIME: <u>291.1 (TIS)</u>	HOUR METER: <u>386.2</u>
W/O NO: <u>MWO-07-2254</u>	ENGINE TOTAL TIME	S.M.O.H.

1. Removed, charged and reinstalled aircraft's lead acid battery. Installed and secured customer supplied battery charger.
2. Removed and replaced right cockpit window latch with new, P/N: 301.25.4112.
3. Performed ground run. Operational check satisfactory.

-----END-----

Maintenance Release			
The Aircraft, Airframe, Engine, Propeller, Or Appliance Identified Above Was Repaired And Inspected In Accordance With Current Regulations Of The Federal Aviation Administration And Is Approved For Return To Service For The Work Performed. Permanent Records Of The Repair Are On File At This Repair Station Under:			
W/O#	MWO-07-2254	Date	10/04/07
Signed		<i>Kallisto H. Soly</i>	
For Columbia Air Services, Inc. FAA Certified Repair Station # S05R204N Groton-New London Airport Groton, CT 06340			

Airframe

LOG BOOK ENTRY

Page 1 of 1

A/C #

N192DS

A/C S/N

40.576

DATE

10/15/2007

A/C TOTAL TIME

293.5

HOURS AFTER

W/O NO

A-07-1839

ENGINE TOTAL TIME

SMQH

FLY			AT		
TRUE	PILOT	CO-PILOT	TRUE	PILOT	CO-PILOT
-1000	0	-10	14000	+5	-40
0	0	0	16000	+5	-30
500	0	0	18000	+5	-10
1000	0	+5	20000	+5	+20
1500	0	+10			
2000	0	+15			
3000	0	+5			
4000	0	0			
6000	0	-10			
8000	0	-40			
10000	+5	-50			
12000	+5	-45			

Altitude Corrections

Certified to 20,000ft

MAINTENANCE RELEASE

I CERTIFY THAT THE TRANSPONDENCE/TIME/STATIC LEAK TESTS OF FAR 91.411 AND FAR 91.413 HAVE BEEN COMPLIED WITH IN THIS AIRCRAFT. ALSO PARAGRAPH (C) APPENDIX E PART 43 CORRESPONDENCE TEST HAS BEEN COMPLIED WITH.

Altitude #1: 4785299 Altitude #2: 450150 Transponder #1: 84702175 Transponder #2: CNA

W/O: A-07-1839 DATE: 10/15/2007 DUE DATE: 10-09 SIGNED: [Signature]

FOR COLUMBIA AIR SERVICES, INC. FAA CERTIFIED REPAIR STATION # 5052207 GAITHER, CT 06340



INFINITY AVIATION

Infinity Aviation Services LLC

117 Perimeter Road / Nashua, NH 03063

FAA Certified Repair Station #6FR992Y

www.infinitybo.com

Date: 3/12/2008; Aircraft: N192DS; Type: DA40; S/N: 40.576; Hobbs: 452.70; Tach: 345.50; Total Time: 345.50

* Performed a 100-hour/Annual inspection on the airframe in accordance with the inspection checklist contained in the DA40-180

Maintenance Manual.

- * Opened and closed the aircraft to perform inspection.
- * Complied with Airworthiness Directive research to 2008/5 Biweekly issuance.
- * Completed aircraft lubrication per manufacturers recommendations.
- * Completed the wheel bearing cleaning, inspection, and re-greasing.
- * Completed airframe fuel strainer or fuel bowl filter cleaning.
- * Cleaned the landing gear for inspection.
- * Complied with FAR 91.207 (d) Inspection and operational check of ELT. Removed and replaced the ELT battery(ies), p/n MN1300. The battery recommended expiration date is on 3/2014.
- * Removed induction air filter. Inspected and cleaned the filter housing. Replaced the induction air filter and secured.
- * Installed WI-QBS-40-057 kit to increase take off to 1200kg (2646lb) per Service Bulletin OBS-40-057 by adding a new elevator up stop and new placard.
- * Complied with AD 07-17-06 per MSB 40-046/1 visual inspection with no defects found.
- * Complied with MSB 40-058 by the installation of a 100 ohm resistor.

I certify that this aircraft has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition and is approved for return to service. Pertinent details of this inspection are on file at this facility, Infinity Aviation Services LLC under the work order listed.

Signature: Lee Abt

Date: 3/11/2008, W/O: 112042

Infinity Aviation Services LLC

FAA Certified Repair Station

#6FR992Y

CARRIED FORWARD

ENGINEERING RECORD

INSPECTION, REPAIRS & REPLACEMENT

SIGNATURE

LICENSE
NUMBER

Airframe

Columbia Air Services, Inc.
LOG BOOK ENTRY

Page 1 of 1

A/C REG: **N192DS**

A/C S/N: **40,576**

DATE: **12/20/07**

A/C TOTAL TIME: **308.1 (TIS)**

HOUR METER: **408.1**

W/O NO: **MWFO02341**

ENGINE TOTAL TIME

S.M.O.H.

1. Removed and replaced fuel pump with an inspected unit, P/N 5100-00-9, S/N: 5940 Ref. Dukes, Inc. (Northridge, CA) W/O# PR0800053. Work performed in accordance with Diamond DA40 A.M.M. chapter 28-20-00 (S/N removed: 5948)
2. Performed engine ground run, operational and leak checks satisfactory.

-----END-----

Maintenance Release

The Aircraft, Airframe, Engine, Propeller, Or Appliance Identified Above Was Inspected And Inspected In Accordance With Current Regulations Of The Federal Aviation Administration And Is Approved For Return To Service For The Work Performed. Permanent Records Of The Repair Are On File At This Repair Station Under

W/O# **MWFO02341** Date **12/20/07** Signed **[Signature]**
For **Columbia Air Services, Inc.** FAA Certified Repair Station # S05R204N Groton-New London Airport Groton, CT 06340

Airframe

Columbia Air Services, Inc.
LOG BOOK ENTRY

Page 1 of 1

A/C REG: **N192DS**

A/C S/N: **40,576**

DATE: **02/21/08**

A/C TOTAL TIME: **340.3 (TIS)**

HOUR METER: **445.3**

W/O NO: **MWO-08-2394**

ENGINE TOTAL TIME

S.M.O.H.

1. Removed S/N: 5940 and replaced fuel pump with P/N: 5100-00-9 S/N: 4996 supplied by Diamond Aircraft. Work performed in accordance with Diamond DA40 A.M.M. chapter 28-20-00.
2. Performed engine ground run, operational and leak checks satisfactory.

-----END-----

Maintenance Release

The Aircraft, Airframe, Engine, Propeller, Or Appliance Identified Above Was Inspected And Inspected In Accordance With Current Regulations Of The Federal Aviation Administration And Is Approved For Return To Service For The Work Performed. Permanent Records Of The Repair Are On File At This Repair Station Under

W/O# **205088384** Date **02/21/08** Signed **[Signature]**
For **Columbia Air Services, Inc.** FAA Certified Repair Station # S05R204N Groton-New London Airport Groton, CT 06340

AIR TIME AND

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

Airframe

N192DS

LOG BOOK ENTRY

Page 1 of 1

40.576

A/C REG: _____

A/C S/N: _____

DATE: 07/31/2008

A/C TOTAL TIME:

401.3

HOUR METER: 522.6

W/O NO: A-08-2060

ENGINE TOTAL TIME

S.M.O.H.

- I. Removed defective GMU-44 P/N 011-00870-00 S/N 47505618 from aircraft and installed Garmin overhauled exchange GMU-44 P/N 011-00870-00 S/N 47510520. Operational check satisfactory.

- END -

Maintenance Release

The Aircraft Airframe, Engine, Propeller Or Appliance Identified Above Was Repaired And Inspected In Accordance With Current Regulations Of The Federal Aviation Administration And Is Approved For Return To Service For The Work Performed. Pertinent Records Of The Repair Are On File At This Repair Station Under W/O# A-08-2060 Date: 07/31/2008 Signed:

Columbia Air Services, Inc.

Groton-New London Airport Groton, CT 06340 FAA Certified Repair Station # S05R204N



INFINITY AVIATION

Infinity Aviation Services LLC
117 Perimeter Road / Nashua, NH 03063
FAA Certified Repair Station #I6FR992Y

Date: 3/17/2009; Aircraft: N192DS; Type: DA40; S/N: 40.576; Hobbs: 617.30; Tach: 477.90; Total Time: 477.90

* Performed a 100-hour/Annual inspection on the airframe in accordance with the inspection checklist contained in the DA40-180 Maintenance Manual.

* Opened and closed the aircraft to perform inspection.

* Complied with Airworthiness Directive research to 2009/6 Biweekly issuance.

* Completed aircraft lubrication per manufacturers recommendations.

* Completed the wheel bearing cleaning, inspection, and re-greasing.

* Completed airframe fuel strainer or fuel bowl filter cleaning.

* Cleaned the landing gear for inspection.

* Complied with FAR 91.207 (d) Inspection and operational check of ELT. Remove, inspected and reinstalled the ELT battery(ies). The battery expiration date is on 5/2014.

* Inspected and charged the aircraft battery. Inspected and cleaned the battery area. Touched up battery area as required Reinstalled battery and electrical connections. Operationally tested the battery with satisfactory results.

* Inspected the fuel caps and set tab lever tension.

* Removed induction air filter. Inspected and cleaned the filter housing. Replaced the induction air filter and secured.

* Removed and replaced the main landing gear tires and tubes.

* Removed and replaced the brake linings p/n 066-14100.

* Complied with AD 2007-17-06 by performing Diamond Service Bulletin D4-046/1 in accordance with the accomplishment instructions with no discrepancies noted. Next compliance due 3/2010 or 200 Hours Time in Service, whichever occurs later.

* Complied with MSB-40-054-1 in accordance with WJ MSB-40-054 rev 1 instructions through 3.14. Replaced the red, blue, green and clear tubing per MSB-40-054-1. Accomplished static leak down check.

* Cleaned the area around the left inboard fuel sender and checked for leaks with no leaks noted.

I certify that this aircraft has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition and is approved for return to service. Pertinent details of this inspection are on file at this facility, Infinity Aviation Services LLC under the work order listed.

Signature: Lee Abt

Date: 3/17/2009, W/O: I12643

Infinity Aviation Services LLC

FAA Certified Repair Station

#I6FR992Y

ENGINEERING RECORD

INSPECTION, REPAIRS & REPLACEMENT

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

SIGNATURE

LICENCE
NUMBER

Airframe

N192DS

LOG BOOK ENTRY

Page 1 of 1

40.576

A/C REG

A/C S/N

DATE: 10/14/2009

A/C TOTAL TIME

HOUR METER

713.5

W/O NO: A-09-2389

ENGINE TOTAL TIME 556.1

S.M.O.H.

- 1 Complied with Diamond SI # SI-40-113 Updated G1000 system software from 0321.19 to 0321.22 Operational check satisfactory
- 2 Removed and reinstalled Honeywell repaired KS 270C pitch servo P/N 065-00178-2500 S/N 8435. KS 270C is in compliance with Honeywell SB# KS 270C-22-09 Rev. 1. mod 09 upgrade. Operational check satisfactory.

- END -

Maintenance Release
The Aircraft Airframe, Engine, Propeller Or Appliance Identified Above Was Repaired And Inspected In Accordance With Current Regulations Of The Federal Aviation Administration And Is Approved For Return To Service For The Work Performed. Permanent Records Of The Repair Are On File At This Repair Station Under:
W/O# A-09-2389 Date: 10/14/2009 Signed: 

Columbia Air Services, Inc.

Groton-New London Airport Groton, CT 06340 FAA Certified Repair Station # S05R204N

Airframe

N192DS

LOG BOOK ENTRY

Page 1 of 1

40.576

A/C REG

A/C S/N

DATE: 10/14/2009

A/C TOTAL TIME

HOUR METER

713.5

W/O NO: A-09-2389

ENGINE TOTAL TIME 556.1

S.M.O.H.

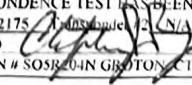
FLY			AT		
TRUE	PILOT	STBY	TRUE	PILOT	STBY
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0	0	0	16000	-10	-30
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1000	0	+10	20000	-10	+15
1500	-5	0			
2000	0	+10			
3000	0	0			
4000	0	0			
6000	-5	-10			
8000	-5	-40			
10000	-5	-50			
12000	-10	-50			

Altimeter Corrections

Certified to 20,000ft

MAINTENANCE RELEASE
I CERTIFY THAT THE TRANSPONDER/ALTIMETER/STATIC LEAK TESTS OF FAR 91.411 AND FAR 91.413 HAVE BEEN COMPLIED WITH IN THIS AIRCRAFT. ALSO PARAGRAPH (C) APPENDIX E PART 43 CORRESPONDENCE TEST HAS BEEN COMPLIED WITH.

Altimeter #1 47085292 Altimeter #2 450150 Transponder #1 84702175 Transponder #2 N/A

W/O# A-09-2389 DATE 10/14/2009 DUE DATE 10/2011 SIGNED: 
FOR COLUMBIA AIR SERVICES, INC. FAA CERTIFIED REPAIR STATION # S05R204N GROTON, CT 06340

AIR TIME AND

[illegible]

Airframe

Columbia Air Services, Inc.
LOG BOOK ENTRY

Page 1 of 2

A/C REG: N192DSA/C S/N: 40.576DATE: 04/20/10A/C TOTAL TIME: 575.3 (TIS)HOUR METER: 739.5W/O NO: MWO-10-3185ENGINE TOTAL TIME: 575.3 (TIS)

S.M.O.H.

1. Complied with a 100 hour Annual inspection in accordance with Diamond Aircraft DA-40 A.M.M. chapter 05-20-00.
2. Complied with 2 year replacement of emergency battery in accordance with Diamond Aircraft DA40 Series A.M.M. chapter 04-00-00. Removed and replaced emergency battery with new, P/N: D41-2560-93-00 S/N: 10-084-1140. (S/N removed: 05-168-5146)
3. Complied with 1000 hour 1 year mechanical check of auto-pilot system in accordance with Diamond Aircraft DA40 Series A.M.M. chapter 05-10-00, 22-10-00 and 25-10-00. Adjusted clutch friction torques as required.
4. Complied with 1000 hour 2 year leak check and cleaning of pitot static system in accordance with Diamond Aircraft DA40 Series A.M.M. chapters 05-10-00 and 34-10-00.
5. Complied with 2000 hour 4 year inspection of airspeed and vertical speed indicators and altimeters for correct indication in accordance with Diamond Aircraft DA40 Series A.M.M. chapters 05-10-00 and 34-10-00.
6. Complied with 1 year magnetic compass compensation in accordance with Diamond Aircraft DA40 Series A.M.M. chapters 05-10-00.
7. Performed 1 year inspection of Garmin GA antenna in accordance with Garmin GA antenna series Instructions for Continued Airworthiness P/N: 190-00673-01.
8. AD 84-26-02 amend. 39-4966 dated 1 29 85, Inspection of paper induction air filter for continued airworthiness, does not apply. Aircraft is equipped with non-paper induction air filter. No action required.
9. Complied with AD 2009-02-03 amend. 39-15793 dated 2 9 09, Hex plug inspection. Removed and replaced hex plug gasket with new, P/N: 2577258. Stamped the letter "G" on plug, which alleviates repetitive inspection requirements. No further action required.

-----CONTINUED-----

Airframe Cont'd

LOG BOOK ENTRY (CONT.)

Page 2 of 2

10. AD 2009-05-05 amend. 39-15829 dated 4 3 09, Avidyne PFD's, does not apply. Aircraft is not equipped with Avidyne PFD. No action required.

11. AD 2009-07-14 amend. 39-15873 dated 5 11 09, Wing to spar bond, does not apply by airframe serial number. No action required.

12. Complied with AD 2009-10-14 amend. 39-15899 dated 6 17 09, Inspection of the nose landing gear leg. Inspected nose landing gear leg pivot for cracks per Diamond Mandatory Service Bulletin No. MSB-40-046/3, none noted at this time. Inspection next due: 775.3 TIS/939.5 ACTT.

13. AD 2010-01-03 amend. 39-16159 dated 1 20 10, Fire Fighting Enterprises Limited fire extinguishers, does not apply. Aircraft is equipped with Amerex Model A620 fire extinguisher. No action required.

14. Complied with Diamond Mandatory Service Bulletin No. MSB-40-033, Inspection exhaust system riser flanges. Performed visual inspection of flanges for cracks, none noted at this time. Inspection next due: 625.3 TIS/789.5 ACTT.

15. Diamond Mandatory Service Bulletin No. MSB 40-064, Replacement of the alternator circuit breaker to main bus jump wire and battery circuit breaker to essential bus jumper wire, does not apply by airframe serial number. No action required.

16. Inspected ELT in accordance with FAR 91.207d, found to be satisfactory. ELT battery replacement due MARCH 2014.

17. Removed, serviced and charged aircraft's lead acid battery (S/N: 40097199).

18. Repaired lower surface of nose wheel and right wheel fairings in accordance with AC43.13-1B Chapter 3.

19. Removed and replaced stall warning horn with new, P/N: 0713348-1 in accordance with Diamond Aircraft DA40 Series A.M.M. chapter 27-39-00. Operational check satisfactory.

20. Performed post inspection ground run, operational and leak checks satisfactory. -----END-----

WO NO.

MWO-10-3185

COLUMBIA AIR SERVICES, INC.
GROTON-NEW LONDON AIRPORT
GROTON, CONNECTICUT 06340

FAA Repair Station #S01SR24N, Work Order # 900026288
I certify that this Airframe has been inspected in accordance
with a 100 Hour Annual Inspection of Diamond Aircraft
DA-40 A.M.M. chapter 05-20-00 and has been found airworthy
for the work performed.

Date: 04/20/10 A/C Total Time: 575.3 TIS/789.5 HoursSignature: [Signature]
Title: Chief Inspector

Maintenance Release
The Aircraft, Airframe, Engine, Propeller, Or Appliance Identified Above Was Repaired And Inspected In Accordance With Current Regulations Of The Federal Aviation
Administration And Is Approved For Return To Service For The Work Performed. Permanent Records Of This Repair Are On File At This Repair Station Under

W. O. # MWO-10-3185 Date: 04/20/10 Signed: [Signature]
for Columbia Air Services, Inc., FAA Certified Repair Station #S01SR24N, Groton-New London Airport, Groton, CT 06340

Airframe

Columbia Air Services, Inc.
LOG BOOK ENTRY

Page 1 of 2

A/C REG: N192DSA/C S/N: 40.576DATE: 04/12/11A/C TOTAL TIME: 648.2 (TIS)HOUR METER: 834.1W/O NO: MWO-11-3554ENGINE TOTAL TIME 648.2 (TIS)

S.M.O.H.

1. Complied with a 100 hour/Annual inspection in accordance with Diamond Aircraft DA-40 A.M.M. chapter 05-20-00.
2. Complied with 3000 hour/5 year rudder cable replacement in accordance with Diamond Aircraft DA40 Series A.M.M. chapter 04-00-00 and 05-10-00. Installed Diamond Rudder Cable Kit No. CSKIT-04. Adjusted and safetied cable tensions.
3. Complied with 1000 hour/1 year mechanical check of auto-pilot system in accordance with Diamond Aircraft DA40 Series A.M.M. chapter 05-10-00, 22-10-00 and 25-10-00.
4. Complied with 1 year magnetic compass compensation in accordance with Diamond Aircraft DA40 Series A.M.M. chapter 05-10-00.
5. Complied with 500 hour JR air filter replacement in accordance with Diamond Aircraft DA40 Series A.M.M. chapter 05-10-00. Removed and replaced air filter with new, P/N: FR-08504.
6. Complied with 100 and 200 hour drain hole inspection in accordance with Diamond Aircraft DA40 Series A.M.M. chapter 05-25-00. Found to be satisfactory.
7. Performed 1 year inspection of Garmin GA antenna in accordance with Garmin GA antenna series Instructions for Continued Airworthiness P/N: 190-00673-01.
8. Inspected ELT in accordance with FAR 91.207d, found to be satisfactory. **Battery replacement due: MAR. 2014.**
9. **AD 2010-13-10** amend. 39-16341 dated 8/5/10 and **Diamond Service Information No.'s SI40-119 and SI40-120**, Ontic propeller governors, do not apply by installed governor serial number (SN00362). No action required.
10. Complied with **AD 2010-25-01** amend. 39-16534 dated 1/11/11, Passenger door retaining bracket. Removed and replaced retaining bracket with new, P/N: MSB-40-070-KIT in accordance with **Diamond Mandatory Service Bulletin No. MSB40-070/1**. No further action required.

-----CONTINUED-----

Airframe Cont'd

LOG BOOK ENTRY (CONT.)

Page 2 of 2

11. Complied with **Diamond Mandatory Service Bulletin No. MSB-40-033**, Inspection exhaust system riser flanges. Performed visual inspection of flanges for cracks, none noted at this time.

Inspection next due: 698.2 TIS/884.1 ACTT.

12. Complied with **Diamond Mandatory Service Bulletin No. MSB40-067**, Check of emergency exit lever. Removed, inspected and reinstalled emergency exit lever, found to be satisfactory. Sealed lever as required. No further action required.

13. Performed Concorde 200 hour/3 month recurring capacity check of lead acid battery, P/N: RG24-15M S/N: 40097199. Battery passed capacity check.

14. Removed and replaced lower forward DME antenna with new, P/N: CII05 S/N: 52438. Operational and static leak check satisfactory. (S/N removed: 22772)

15. Resecured left lower aft stub wing "T" seal as required.

16. Relamped flap "up" indicator light with a new bulb, P/N: T4.6 24-20. Operational check satisfactory.

17. Removed and replaced canopy handle bumpers with new, P/N: BU2-10-05-0050-M (Qty 2). Operational check satisfactory.

18. Removed and replaced muffler brace with new, P/N: D41-7806-20-01 in accordance with Diamond Aircraft DA40 Series A.M.M. chapter 78.

19. Performed post inspection ground run, operational and leak checks satisfactory. -----END-----

WO NO.

MWO-11-3554

COLUMBIA AIR SERVICES, INC.
GROTON-NEW LONDON AIRPORT
GROTON, CONNECTICUT 06340

FAA Repair Station #S05R204N Work Order # MWO-11-3554
I certify that this Airframe has been inspected in accordance with a 100 Hour/Annual Inspection of Diamond Aircraft DA-40 Series AMM chapter 05-20-00 and has been found airworthy for the work performed.
Date: 04/12/11 A/C Total Time: 648.2 TIS/834.1 Hobbs
Signature: [Signature]
Title: Chief Inspector

Maintenance Release

The Aircraft, Airframe, Engine, Propeller, Or Appliance Identified Above Was Repaired And Inspected In Accordance With Current Regulations Of The Federal Aviation Administration And Is Approved For Return To Service For The Work Performed. Permanent Records Of The Repair Are On File At This Repair Station Under:

W/O# MWO-11-3554Date: 04-12-11Signed: [Signature]For **Columbia Air Services, Inc.** FAA Certified Repair Station # S05R204N Groton-New London Airport Groton, CT 06340

CARRIED FORWARD

Airframe

Columbia Air Services, Inc.
LOG BOOK ENTRY

Page 1 of 1

A/C REG: N192DSA/C S/N: 40.576DATE 10/14/11A/C TOTAL TIME 684.7 (TIS)HOUR METER: 880.2W/O NO: MWO-11-3721

ENGINE TOTAL TIME

S.M.O.H.

LICENCE
NUMBER

1. Complied with 1800 hour/6 year propeller overhaul. Reinstalled this propeller, Hartzell Model HC-C2YR-1BF S/N: CH39224B after overhaul. Ref. Sensenich Propeller Service, Inc. (North Windham, CT) W/O# CTO4262. Torqued and safetied hardware. Work performed in accordance with Hartzell Propeller Owners Manual #115 chapter 61-00-15. See propeller log for further details.
2. Performed post installation ground run. Operational and leak checks satisfactory.

-----END-----

Maintenance Release			
The Aircraft, Airframe, Engine, Propeller, Or Appliance Identified Above Was Repaired And Inspected In Accordance With Current Regulations Of The Federal Aviation Administration And Is Approved For Return To Service For The Work Performed. Permanent Record Of The Repair And On File At This Repair Station Under:			
W/O#	<u>MWO-11-3721</u>	Date	<u>10.14.11</u>
Signed		<u>[Signature]</u>	
For Columbia Air Services, Inc. FAA Certified Repair Station # S05R204N Groton-New London Airport Groton, CT 06340			

Airframe

LOG BOOK ENTRY

Page 1 of 1

A/C REG: N192DSA/C S/N: 40.576DATE 04/11/2012

A/C TOTAL TIME:

HOUR METER: 902.0W/O NO: A-12-2869ENGINE TOTAL TIME 701.7

S.M.O.H.

FLY			AT		
TRUE	PILOT	standby	TRUE	PILOT	standby
-1000	-5	-10	14000	-10	-40
0	-5	0	16000	-10	-30
500	-10	0	18000	-10	-10
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1500	-10	+5			
2000	-10	+10			
3000	-10	+5			
4000	-10	0			
6000	-10	-20			
8000	-10	-40			
10000	-10	-50			
12000	-10	-40			

Altimeter Corrections

Certified to 20,000ft

MAINTENANCE RELEASE
I CERTIFY THAT THE TRANSPONDER/ALTIMETER/STATIC LEAK TESTS OF FAR 91.411 AND FAR 91.413 HAVE BEEN COMPLIED WITH IN THIS AIRCRAFT. ALSO PARAGRAPH (C) APPENDIX E PART 43 CORRESPONDENCE TEST HAS BEEN COMPLIED WITH
Altimeter #1 47805299 Altimeter #2 450150 Transponder #1 84702175 Transponder #2 N/A
W/O# A-12-2869 DATE 04/11/2012 DUE DATE 04/14 SIGNED [Signature]
FOR COLUMBIA AIR SERVICES, INC. FAA CERTIFIED REPAIR STATION # S05R204N GROTON, CT 06340

Airframe

Columbia Air Services, Inc.
LOG BOOK ENTRY

Page 1 of 2

A/C REG N192DS

A/C S/N

40576

DATE 04/13/12

A/C TOTAL TIME 701.7 (TIS)

HOUR METER 9020

W/O NO. 10885

ENGINE TOTAL TIME 701.7 (TIS)

S M O H

1. Complied with a 200 hour Annual inspection in accordance with Diamond Aircraft DA-40 A.M.M. chapter 05-28-50. Researched AD's through Bi-Weekly 2012-06.
2. Complied with 1000 hour 1 year mechanical check of auto-pilot system in accordance with Diamond Aircraft DA40 Series A.M.M. chapter 05-10-00, 22-10-00 and 25-10-00.
3. Complied with 1 year magnetic compass compensation in accordance with Diamond Aircraft DA40 Series A.M.M. chapter 05-10-00.
4. Complied 3 year brake fluid replacement in accordance with Diamond DA40 Series A.M.M. chapter 05-10-00.
5. Complied with 100 hour drain hole inspection in accordance with Diamond Aircraft DA40 Series A.M.M. chapter 05-25-00. Found to be satisfactory.
6. Performed 1 year inspection of Garmin GA antenna in accordance with Garmin GA antenna series Instructions for Continued Airworthiness P/N: 190-00673-01.
7. Inspected ELT in accordance with FAR 91.207d, found to be satisfactory. **Battery replacement due: MAR. 2014.**
8. Complied with **AD 2009-10-14** amend. 39-15899 dated 6/17/09, Inspection of the nose landing gear leg. Inspected nose landing gear leg pivot for cracks per **Diamond Mandatory Service Bulletin No. MSB-40-046/3**, none noted at this time. **Inspection next due: 901.7 TIS/1102.0 ACTT.**
9. **AD 2011-21-10** amend. 39-16833 dated 11/16/11, Vapor cycle system (VCS) cabin air conditioning, does not apply. Aircraft is not equipped with Premier Aircraft Service STC No. SA03674AT. No action required.

-----CONTINUED-----

Airframe Cont'd

LOG BOOK ENTRY (CONT.)

Page 2 of 2

10. Complied with **Diamond Mandatory Service Bulletin No. MSB-40-033**, Inspection exhaust system flser flanges. Performed visual inspection of flanges for cracks, none noted at this time. **Inspection next due: 751.7 TIS/952.0 ACTT.**

11. Performed Concorde 200 hour/3 month recurring capacity check of lead acid battery, P/N: RG24-15M S/N: 40097199. Battery passed capacity check.

12. Performed post inspection ground run, operational and leak checks satisfactory.

-----END-----

WO NO.

MW0-12 10885

COLUMBIA AIR SERVICES, INC.
GROTON-NEW LONDON AIRPORT
GROTON, CONNECTICUT 06340

FAA Repair Station #SOSR204N, Work Order # 2104212-0885
I certify that this Airframe has been inspected in accordance
with a 200 Hour Annual Inspection of Diamond Aircraft
DA-40 Series A.M.M. chapter 05-28-50 and has been found
airworthy for the work performed.
Date: 04/13/12 A/C Total Time: 701.7 TIS/952.0 Hours

Signature

CARRIED FORWARD

Airframe

Columbia Air Services, Inc.
LOG BOOK ENTRY

Page 1 of 2

A/C REG: **N192DS**A/C S/N: **40.576**DATE: **04/13/12**A/C TOTAL TIME: **701.7 (TIS)**HOUR METER: **902.0**W/O NO: **MWO-12-3885**ENGINE TOTAL TIME **701.7 (TIS)**

S.M.O.H.

1. Complied with a 200 hour/Annual inspection in accordance with Diamond Aircraft DA-40 A.M.M. chapter 05-28-50. Researched AD's through Bi-Weekly 2012-06.
2. Complied with 1000 hour/1 year mechanical check of auto-pilot system in accordance with Diamond Aircraft DA40 Series A.M.M. chapter 05-10-00, 22-10-00 and 25-10-00.
3. Complied with 1 year magnetic compass compensation in accordance with Diamond Aircraft DA40 Series A.M.M. chapter 05-10-00.
4. Complied 3 year brake fluid replacement in accordance with Diamond DA40 Series A.M.M. chapter 05-10-00.
5. Complied with 100 hour drain hole inspection in accordance with Diamond Aircraft DA40 Series A.M.M. chapter 05-25-00. Found to be satisfactory.
6. Performed 1 year inspection of Garmin GA antenna in accordance with Garmin GA antenna series Instructions for Continued Airworthiness P/N: 190-00673-01.
7. Inspected ELT in accordance with FAR 91.207d, found to be satisfactory. **Battery replacement due: MAR. 2014.**
8. Complied with **AD 2009-10-14** amend. 39-15899 dated 6/17/09, Inspection of the nose landing gear leg. Inspected nose landing gear leg pivot for cracks per **Diamond Mandatory Service Bulletin No. MSB-40-046/3**, none noted at this time. **Inspection next due: 901.7 TIS/1102.0 ACTT.**
9. **AD 2011-21-10** amend. 39-16833 dated 11/16/11, Vapor cycle system (VCS) cabin air conditioning, does not apply. Aircraft is not equipped with Premier Aircraft Service STC No. SA03674AT. No action required.

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Airframe Cont'd

LOG BOOK ENTRY (CONT.)

Page 2 of 2

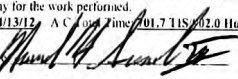
10. Complied with **Diamond Mandatory Service Bulletin No. MSB-40-033**, Inspection exhaust system riser flanges. Performed visual inspection of flanges for cracks, none noted at this time. **Inspection next due: 751.7 TIS/952.0 ACTT.**

WO NO.

MWO-12-3885

11. Performed Concorde 200 hour/3 month recurring capacity check of lead acid battery, P/N: RG24-15M S/N: 40097199. Battery passed capacity check.
12. Performed post inspection ground run, operational and leak checks satisfactory.

-----END-----

COLUMBIA AIR SERVICES, INC.
GROTON-NEW LONDON AIRPORT
GROTON, CONNECTICUT 06340FAA Repair Station #S05R204N, Work Order # MWO-12-3885
I certify that this Airframe has been inspected in accordance
with a 200 Hour/Annual Inspection of Diamond Aircraft
DA-40 Series AMM chapter 05-28-50 and has been found
airworthy for the work performed.
Date: 04/13/12 A/C reg. N192DS Time: 701.7 TIS/902.0 HubsSignature: 

CARRIED FORWARD

ENGINEERING RECORD

10

INSPECTION, REPAIRS & REPLACEMENT

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

SIGNATURE

LICENCE
NUMBER

Airframe

LOG BOOK ENTRY

Page 1 of 1

A/C REG: N192DS

A/C S/N: 40.576

DATE: 05/15/2012

A/C TOTAL TIME: 706.3

HOUR METER: 908.2

W/O NO: A-12-2895

ENGINE TOTAL TIME

S.M.O.H.

1. Removed and replaced expired emergency battery P/N D412560-93-00. New Battery replacement date is 5-2014. Operational check satisfactory.

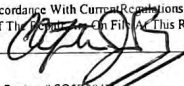
- END -

Maintenance Release

The Aircraft Airframe, Engine, Propeller Or Appliance Identified Above Was Repaired And Inspected In Accordance With Current Regulations Of The Federal Aviation Administration And Is Approved For Return To Service For The Work Performed. Permanent Records Of This Repair Are On File At This Repair Station Under:

W/O# AWO-12-2895

Date: 05-11-2012

Signed: 

Columbia Air Services, Inc.

Groton-New London Airport Groton, CT 06340 FAA Certified Repair Station # S05R2012X

Airframe

LOG BOOK ENTRY

Page 1 of 1

A/C REG: N192DS

A/C S/N: 40.576

DATE: 05/01/2013

A/C TOTAL TIME:

HOUR METER:

W/O NO: A-13-3086

ENGINE TOTAL TIME 753.2

S.M.O.H.

1. Removed ELT P/N E-01 S/N 053386 with antenna and installed customer supplied ACK ELT P/N E-04 S/N 003593 with new antenna in accordance with ACK installation manual P/N E04M Rev. 1.5. Complied with FAR 91.207d. **ELT Battery due 11-2016, buzzer battery due 03-2021.** Operational check satisfactory.

REVISED

- END -

Maintenance Release

The Aircraft Airframe, Engine, Propeller Or Appliance Identified Above Was Repaired And Inspected In Accordance With Current Regulations Of The Federal Aviation Administration And Is Approved For Return To Service For The Work Performed. Permanent Records Of This Repair Are On File At This Repair Station Under:

W/O# A-13-3086 Date: 05/01/2013 Signed: 

Columbia Air Services, Inc.

Groton-New London Airport Groton, CT 06340 FAA Certified Repair Station # S05R204N

Airframe

Columbia Air Services, Inc.
LOG BOOK ENTRY

Page 1 of 2

A/C REG: **N192DS**A/C S/N: **40.576**DATE: **5/3/13**A/C TOTAL TIME: **753.2 (TIS)**HOUR METER: **970.0**W/O NO: **MWO-13-4202**ENGINE TOTAL TIME **753.2 (TIS)**

S.M.O.H.

1. Complied with a 100 hour/Annual inspection in accordance with Diamond Aircraft DA-40 A.M.M. chapter 05-28-50. Researched AD's through BI-Weekly 2013-08.
2. Complied with 1000 hour bonding system and static discharging system resistance measurements in accordance with Diamond Aircraft, DA40 Series A.M.M. chapters 04-00-00 and 05-10-00.
3. Complied with 1000 hour/1 year mechanical check of auto-pilot system in accordance with Diamond Aircraft DA40 Series A.M.M. chapter 05-10-00, 22-10-00 and 25-10-00.
4. Complied with 1000 hour/2 year pitot-static system leak check in accordance with Diamond Aircraft DA40 Series A.M.M. chapter 05-10-00.
5. Complied with 1 year magnetic compass compensation in accordance with Diamond Aircraft DA40 Series A.M.M. chapter 05-10-00.
6. Complied with 100 and 200 hour drain hole inspection in accordance with Diamond Aircraft DA40 Series A.M.M. chapter 05-25-00. Found to be satisfactory.
7. Performed 1 year inspection of Garmin GA antenna in accordance with Garmin GA antenna series Instructions for Continued Airworthiness P/N: 190-00673-01 Rev. F.
8. Performed 200 hour/3 month Concorde lead acid battery (recurring) capacity check. Removed, boost charged and performed capacity check of battery, P/N: RG24-15M S/N: 40097199. Battery passed capacity check. Charged and reinstalled battery. Work performed in accordance with Concorde RG Series C.M.M. Document No. 5-0171.
9. Complied with **Diamond Mandatory Service Bulletin No. MSB-40-033**. Inspection exhaust system riser flanges. Performed visual inspection of flanges for cracks, none noted at this time. Inspection next due: 853.2 TIS/1070 ACCT.

-----CONTINUED-----

Airframe Cont'd

LOG BOOK ENTRY (CONT.)

Page 2 of 2

10. Performed 100 hour servo clutch torque check in accordance with Diamond Aircraft DA40 Series A.M.M. chapter 22-10-00. Found to be satisfactory.
11. Installed new section of shroud tubing in accordance with Diamond Aircraft DA40 Series A.M.M. chapter 21-00-00.
12. Removed and replaced engine air filter with new, P/N: FR-08504.
13. Adjusted alternate air door cable as required. Operational check satisfactory.
14. Removed and replaced right main wheel bearing race with new, P/N: 13836-20629.
15. Swapped fuel and oil pressure transducers for troubleshooting purposes.
16. Performed post inspection ground run, operational and leak checks satisfactory.

-----END-----

WO NO.

MWO-13-4202

COLUMBIA AIR SERVICES, INC.
GROTON, NEW LONDON AIRPORT
GROTON, CONNECTICUT 06340

FAA Repair Station #6018204N Work Order: # 870313-4202
 I certify that this Airframe has been inspected in accordance
 with a 100 Hour Annual Inspection of Diamond Aircraft
 DA40 Series A.M.M. chapter 05-28-50 and has been found
 airworthy for the work performed.

Date: **5/3/13** A/C Total Time: **753.2 TIS/970.0 Hours**Signature: *Richard G. Nelson*

CARRIED FORWARD

Airframe

N192DS

LOG BOOK ENTRY

Page 1 of 1
40.576

A/C REG:

A/C S/N:

DATE 10/31/2013

A/C TOTAL TIME

HOUR METER: 1022.9

W/O NO: A-13-3211

ENGINE TOTAL TIME 796.1

S.M.O.H.

1. Complied with Garmin STC SB# 1334 Rev. A. Updated Garmin G1000 system software from 0321.22 to 0321.23
Operational check satisfactory.

- END -

Maintenance Release

The Aircraft Airframe, Engine, Propeller Or Appliance Identified Above Was Repaired And Inspected In Accordance With Current Regulations Of The Federal Aviation Administration And Is Approved For Return To Service For The Work Performed. (Signature) (Signature) Technician: On File. This Repair Station Under W/O# A-13-3211 Date 10/31/2013. Signed: *[Signature]*

Columbia Air Services, Inc.

Groom-New London Airport Groom, CT 06340 FAA Certified Repair Station # SO3R2024

I certify that the altimeter
required by FAR's 91.41
the limits of FAR 43, ap

TESTED TO 20

Transponder: Mfg
Model

Encoder: Model

Altimeter: (1) Mfg
(2) Mfg

W/O A15320

Date 5/16/2014
Infinity Aviation Services

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

Date 5/16/2014

A/C Tail # N192DS

Work Order # A15320

Initial Inspections

At 29.92 in Hg

Altitude: 60 Feet

Circulation: 60 Feet

Model Number

Serial Number

Altitude: 60C74 47805279

Transponder: GTX 33 84702175

Encoder: 60C74 47805279

in Hg	Feet	Feet	Feet	Feet	± Feet
10.00	Calibration	Reading	Adj. to 29.92 in Hg	Error	Tolerance
29.92	-1727	-1725		2	± 25
29.90	-1740	-1740		0	± 25
29.88	-1753	-1753		0	± 25
29.86	-1766	-1766		0	± 25
29.84	-1779	-1779		0	± 25
29.82	-1792	-1792		0	± 25
29.80	-1805	-1805		0	± 25
29.78	-1818	-1818		0	± 25
29.76	-1831	-1831		0	± 25
29.74	-1844	-1844		0	± 25
29.72	-1857	-1857		0	± 25
29.70	-1870	-1870		0	± 25

PFD
G1000 system: 806.3



INFINITY AVIATION

117 Perimeter Road / Nashua, NH 03063
FAA Certified Repair Station #16FR992Y

Date: 5/20/2014; Aircraft: N192DS; Type: DA40; S/N: 40.576; Hobbs: 1036.00; Tach: 806.30; Total Time: 806.30

- * Performed a 100-hour/Annual Inspection on the airframe and propeller in accordance with the inspection checklist contained in the DA40-180 Maintenance Manual.
- * Opened and closed the aircraft to perform inspection.
- * Complied with Airworthiness Directive research to 2014/9 Biweekly issuance.
- * Completed aircraft lubrication per manufacturers recommendations.
- * Completed the wheel bearing cleaning, inspection, and re-greasing.
- * Completed airframe fuel strainer or fuel bowl filter cleaning.
- * Cleaned the landing gear for inspection.
- * Complied with FAR 91.207 (d) Inspection and operational check of ELT. Remove, inspected and reinstalled the ELT battery(ies). The battery expiration date is on 3/2016.
- * Inspected the aircraft battery, serviced electrolyte using distilled water and charged the battery. Inspected and cleaned the battery area. Touched up battery area as required. Reinstalled battery and electrical connections. Operationally tested the battery with satisfactory results.
- * Disassembled and inspected the fuel caps. Removed and replaced the seals. Reassembled, set tab lever tension and safetied.
- * Removed induction air filter. Inspected and cleaned the filter housing. Cleaned and reinstalled the induction air filter and secured.
- * Removed and replaced the rivet securing the bonding clip on the rudder.
- * Removed and replaced the scat duct p/n SCAT4 for the battery cooling.

I certify that this aircraft has been inspected in accordance with an Annual/100 hour Inspection and was determined to be in airworthy condition and is approved for return to service. Pertinent details of this inspection are on file at Infinity Aviation Services LLC under the work order listed.

Signature: Alan Desrosiers

Date: 5/20/2014, W/O: 115317

Infinity Aviation Services LLC

FAA Certified Repair Station

#16FR992Y



INFINITY AVIATION

117 Perimeter Road / Nashua, NH 03063
FAA Certified Repair Station #16FR992Y

Date: 5/12/2015; Aircraft: N192DS; Type: DA40; S/N: 40.576; Hobbs: 1103.30; Tach: 861.10; Total Time: 861.10

- * Performed a 100-hour/Annual Inspection on the airframe in accordance with the inspection checklist contained in the DA40-180 Maintenance Manual.

- * Opened and closed the aircraft to perform inspection.
- * Complied with Airworthiness Directive research to 2015/08 Biweekly issuance.
- * Completed aircraft lubrication per manufacturers recommendations.
- * Completed the wheel bearing cleaning, inspection, and re-greasing.
- * Completed airframe fuel strainer or fuel bowl filter cleaning.
- * Cleaned the landing gear for inspection.
- * Complied with FAR 91.207 (d) Inspection and operational check of ELT. Remove, inspected and reinstalled the ELT battery(ies). The battery expiration date is on 11/2016.
- * Removed and charged the aircraft battery. Reinstalled battery and electrical connections. Operationally tested the battery with satisfactory results.
- * Inspected the fuel caps.
- * Removed induction air filter. Inspected and cleaned the filter housing. Cleaned and reinstalled the induction air filter and secured.
- * Removed the nose pucks. Installed new elastomer pucks at the nose gear p/n 6350C and bumper p/n 3240CR per the Service Manual Chapter 32-20-00 and Chapter 20.
- * Re-secured the left upper brake line retainer.
- * Repaired elongated screw holes on the nose gear fairing using fiberglass cloth and resin.
- * Cleaned out all six holes of the nose wheel fork. Applied anti-seize and replaced the screws.

I certify that this aircraft has been inspected in accordance with an Annual/100 hour Inspection and was determined to be in airworthy condition and is approved for return to service. Pertinent details of this inspection are on file at Infinity Aviation Services LLC under the work order listed.

Signature: Alan Desrosiers

Date: 5/12/2015, W/O: 115685

Infinity Aviation Services LLC

FAA Certified Repair Station

#16FR992Y

CARRIED FORWARD

ENGINEERING RECORD

12

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

SIGNATURE

LICENCE
NUMBER

Airframe

LOG BOOK ENTRY

Page 1 of 1

40.576

A/C REG: N192DS

A/C S/N:

DATE: 07/02/2015

A/C TOTAL TIME:

HOUR METER: 1115.3

W/O NO: A-15-3545

ENGINE TOTAL TIME

S.M.O.H.

- 1 Removed GRS-77 P/N 011-00868-00 S/N 47405211 and installed exchange unit S/N 47402208. Operational check satisfactory.

- END -

Maintenance Release
The Aircraft Airframe, Engine, Propeller Or Appliance Identified Above Was Repaired And Inspected In Accordance With Current Regulations Of The Federal Aviation Administration And Is Approved For Return To Service For The Work Performed. Permanent Release Authority Noted At This Repair Station Under W/O# A-15-3545 Date 07/02/2015 Signed: *[Signature]*

Columbia Air Services, Inc.

Green-New London Airport Green, CT 06340 FAA Certified Repair Station # S05R204N

I certify that the altimeter, stat
required by FAR's 91.411, 91
the limits of FAR 43, appendix
TESTED TO 20.0

Transponder: Mfg *[Signature]*
Model *[Signature]*

Encoder: Model *[Signature]*
Altimeter: (1) Mfg *[Signature]*

(2) Mfg *[Signature]*

W/O A16092

Date 5/11/2016
Infinity Aviation Services LLC

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

Date: 5/11/2016

A/C Tail # N192DS

Work Order # A16092

Initial Indications
At 29.92 in Hg

Altimeter: -35 Feet

Calibration: -40 Feet

Model Number Serial Number
Altimeter: *[Signature]* 47805299
Transponder: *[Signature]* Installed
Encoder: *[Signature]* 47805299

Barometric Scale Error (reference pressure is 29.92 in Hg to 30.00)

In Hg	Feet	Feet	Alt in	Feet	Feet
in Hg	Calibration	Reading	29.92 in Hg	Error	Calibration
29.50	-1727	-1716	12	± 15	
29.50	-1740	-1725	15	± 15	
29.50	-463	-450	13	± 15	
29.50	-392	-380	12	± 15	
29.50	0	15	15	± 15	
29.50	531	540	9	± 15	
29.50	813	910	17	± 15	
29.50	974	990	16	± 15	

PFD
Hdds: 1162.4
GEA Hrs: 904.7

Date: 5/19/2015, Aircraft: N192DS, Type: DA40, S/N: 40576, Hobbs: 1162.80, Tach: 904.70, Total Time: 904.70
* Performed a 100-hour/Annual Inspection on the airframe in accordance with the inspection checklist contained in the DA40-180

Maintenance Manual

- * Opened and closed the aircraft to perform inspection.
- * Complied with Airworthiness Directive research to 2016/09 Biweekly Issuance.
- * Completed aircraft lubrication per manufacturers recommendations.
- * Completed the wheel bearing cleaning, inspection, and re-greasing.
- * Completed airframe fuel strainer or fuel bowl filter cleaning.
- * Cleaned the landing gear for inspection.
- * Complied with FAR 91.207 (d) Inspection and operational check of ELT. Remove, inspected and reinstalled the ELT battery(ies). The battery expiration date is on 11/2016.
- * Inspected the aircraft battery, ~~serviced electrolyte using distilled water~~ and charged the battery. Inspected and cleaned the battery area. Touched up battery area as required. Reinstalled battery and electrical connections. Operationally tested the battery with satisfactory results.
- * Disassembled and inspected the fuel caps. Reassembled, set tab lever tension and safetied.
- * Removed induction air filter. Inspected and cleaned the filter housing. Cleaned and reinstalled the induction air filter and secured.
- * Removed and replaced the left and right brake linings p/n 066-14100.
- * Complied with AD 2009-10-04, Nose Landing Gear Leg Pivot Axle inspection in accordance with the accomplishment instructions with no defects noted. Next inspection due at 1104.7hrs tach or 5/2017 whichever occurs later.
- * Removed and replaced the left fuel drain p/n CAV180 and safetied.

I certify that this aircraft has been inspected in accordance with an Annual/100 hour inspection and was determined to be in airworthy condition and is approved for return to service. Pertinent details of this inspection are on file at Infinity Aviation Services LLC under the work order listed.

Signature: Alan Desrosiers

Date: 5/19/2015, W/O: 116099

Infinity Aviation Services LLC

FAA Certified Repair Station

#16FR992Y

1 of 2

MAKE: Diamond
MODEL: DA 40
S/N: 40576
REG: N192DS
WORK ORDER
7573-05-2017



Premier Aircraft Service, Inc.
1540 NW 23rd Avenue Hanger 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2393

DATE: 6/12/17
A/C TSN: 632
TACH: 932

Airframe Entries

- (2) CAV ANNUAL INSPECTION ON THIS AIRFRAME IAW 14 CFR PART 43, APPENDIX "D" USING DA40-180 MM INSPECTION GUIDE. CAV FAR 91.207 D ELT INSPECTION AND FUNCTIONAL CHECK. ELT BATTERY EXPIRATION DATE: MAY 2022. ADs CHECKED THROUGH CURRENT ON ATP.
- (7) CAV CH 4 ESSENTIAL BUS INSPECTION (EA 1000 HR). NO DEFECTS NOTED AT THIS TIME.
- (8) CAV CH 4 EMERGENCY BATTERY REPLACEMENT (EA 2 YR). REPLACED BATTERY WITH NEW P/N D41-2560-93-00 S/N 16-334-16 IAW DA40 180 MM CH 24-32-00. OPS CHECK GOOD.
- (9) REPLACED ELT BATTERY WITH NEW P/N 11-10012. NEXT DUE MAY 2022.
- (11) CAV GARMIN G1000 INSTRUCTIONS FOR CONTINUED AIRWORTHINESS REPLACEMENT OF SLOW BLOW FUSES (EA 2 YR). REPLACED FUSES WITH NEW P/N 313 03.2 IAW THE GARMIN G1000 AIRWORTHINESS LIMITATIONS SECTION 4.1.
- (12) CAV DIAMOND SB 40-033 EXHAUST RISERS INSPECTION. NO DEFECTS NOTED AT THIS TIME.
- (14) CAV CH 5 FIRE EXTINGUISHER REPLACEMENT. INSTALLED NEW FIRE EXTINGUISHER P/N AB20T.
- (17) CAV CH 5 BRAKE FLUID REPLACEMENT IAW DA40 MM CH 32-40.
- (18) REPLACED NOSE LANDING GEAR TIRE WITH NEW P/N 500-5-BGDTFSII S/N 82792218 IAW DA40-180 MM CH 32-40.
- (20) REPLACED EXHAUST MUFFLER SHROUD BRACKET WITH NEW P/N D41-7806-20-01 IAW DA40 MM CH 78-00-00.
- (23) REMOVED PAINT, CLEANED AND PAINTED BATTERY COVER WITH FIRE RETARDANT IAW DA40 MM CH 61-30-00.
- (24) REPLACED LEFT AND RIGHT CANOPY STORM WINDOW SEAL AS REQUIRED.
- (27) PERFORMED COMPOSITE REPAIR ON NOSE WHEEL PANT IAW AC43.13-1B CH 3.
- (30) CAV GARMIN SB 0805 REV A XM AUDIO CREW REWIRE. UPGRADED G1000 SOFTWARE TO VERSION 0321.23.
- CONFIGURATION-6 WITH KAP-140 AUTOPILOT INSTALLED. PERFORMED G1000 SYSTEM GROUND CHECK OUT. NO FAULTS NOTED. REVISED POH. WEIGHT AND BALANCE NOT AFFECTED.

2 of 2

I CERTIFY THIS AIRFRAME, ENGINE, OR PROPELLER HAS BEEN INSPECTED IAW AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

DATE: 6/1/2017

SIGNED:

EMMANUEL VICIOSO
CRS 9P/R4028

Work Order: 7573-05-2017

Printed by Ellis 3 (datamedia.com)

CARRIED FORWARD

ENGINEERING RECORD

13

LOGBOOK ENTRY:

DATE MAY 26 17 A/C TYPE DA 40
 REG# N192DS A/C TIME: 932.0

ENTRIES, DRAW

PERFORMED ELT TEST AND INSPECTION I/A/W FAR 91.207 D. PAR. 1.234
 ON ELT MODEL ACK Tech P/N Aur Tech S/N 03593
 AND FOUND SATISFACTORY APPROVED FOR RETURN TO SERVICE
 UNDER W.O. # 52417A ELT BATTERY DUE DATE: MAY 2022

Mark B. Alicandro

MARK B. ALICANDRO

FOR

TROPIC RADIO INC. 2695 NW 56TH ST. HANGER 53-A

FT. LAUDERDALE, FL. 33309 TEL # 954-776-4030

FAA C.R.S. # RZ4R510M

RE

LICENCE
NUMBER

Airframe Log

Date

Reg#

Tach

Total

05/04/2017

N192DS

922.5

Replaced main aircraft battery w/ Gill G-7243-14, s/n G02931189. -----end-----

John T. Bunce
 John T. Bunce A&P 41704594 IA

Total Aircraft Parts and Maintenance
 20 Lindbergh Dr. Brainard Airport
 Hartford, Ct. 06114

MAKE: Diamond
 MODEL: DA 40
 S/N: 40.578
 REG. NO. 192DS
 WORK ORDER:
 7623-06-2017

Premier
 Aircraft Service

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

DATE: 6/26/2017
 A/C TSN: 944.5
 TACH: 944.5

Airframe Entries

(2) RECONFIGURED G1000 SYSTEM TO ENABLE GARMIN CHARTS AND UPDATED ALL DATABASES I/A/W GARMIN G1000 SYSTEM M/M.

(3) REPLACED CANOPY RIGHT STORM WINDOW LATCH WITH NEW P/N 41590 IAW DA40 M/M CH 52-10-00.

DATE: 6/26/2017

SIGNED:

EMMANUEL VICIOSO
 CRS 9PRR4028

Work Order: 7623-06-2017

Printed by EBis 3 (datamedia.com)

MAKE: Diamond
 MODEL: DA 40
 S/N: 40.578
 REG. NO. 192DS
 WORK ORDER:
 7768-10-2017

Premier
 Aircraft Service

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

DATE: 11/1/2017
 A/C TSN: 1024.6
 TACH: 1024.9

Airframe Entries

(2) REPLACED GRS77 P/N 011-00868-00 S/N 47405672 LOADED GRS/GMU G1000 SOFTWARE VER. 321.23 I/A/W GARMIN G1000 CONFIGURATION MANUAL.

DATE: 11/1/2017

SIGNED:

SAMUEL YAVAREZ JR.
 CRS# 9PRR4028

Work Order: 7768-10-2017

Printed by EBis 3 (datamedia.com)

AIR TIME AND

[illegible]

14

1 of 3

Premier
Aircraft Service

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

DATE: 7/24/2018
A/C TSN: 1164.1
TACH: 1164.1

ENTRIES. DRAW A

Airframe Entries

(2) COMPLIED WITH ANNUAL INSPECTION ON THIS AIRFRAME IAW 14 CFR PART 43, APPENDIX "D" USING DA40-180 MM INSPECTION GUIDE. C/W FAR 91.207 D ELT INSPECTION AND FUNCTIONAL CHECK. ELT BATTERY EXPIRATION DATE:5/30/2022. ADS CHECKED THROUGH CURRENT ON ATP.

(8) C/W AD 2009-10-04 NLG LEG INSPECTION. NO DEFECTS FOUND AT THIS TIME. REINSTEAL NOSE LANDING GEAR FORK AND SET CASTOR FORCE IAW DA40-180 MM CH 32-20.

(11) PERFORMED 406 ELT OPS CHECK IAW FAR 91.207-D ON ELT S/N 03593 EXP DATE MAY/2022 HEX ID 2DC86A1C127FBFF OPS CHECKED GOOD.

(12) COMPLIED WITH ELT REMOTE SWITCH BATTERY REPLACEMENT WITH NEW P/N 28L IAW ACK E-04 INSTALLATION SEC 4. OPS CHECK GOOD.

(13) C/W DIAMOND SB 40-033 EXHAUST SYSTEM INSPECTION. NO DEFECT FOUND AT THIS TIME.

(14) C/W CH 5 AUTOPILOT SYSTEM MECHANICAL CHECK: NO DEFECTS NOTED AT THIS TIME.

(15) C/W CH 5 MAGNETIC COMPASS SWING (1 YR) PERFORMED MAGNETIC COMPASS SWING IAW AC 43.13-1B, CHAPTER 1, SECTION 3. FAR 23.1327 WITH THE AID OF AN AVIATORS MASTER COMPASS S/N:0618-99. ALL CORRECTIONS ARE WITHIN LIMITATIONS AND WRITTEN ON THE CORRECTION CARD.

(17) C/W CH 5 ENG MOUNT ATTACH BOLT INSPECTION (5 YR). NO DEFECTS NOTED AT THIS TIME.

(18) C/W MAIN BATTERY CAP TEST. FAILED AT 28.3%. REPLACED BATTERY WITH NEW P/N 7243-14 S/N G02949582 IAW DA40 180 MM CH 24-31-00. OPS CHECK GOOD.

(20) INSPECTED AND CLEANED ALL EGT PROBES CONNECTION IAW DA40-180 MM CH 77-40.

(23) PERFORMED GRS/GMU CALIBRATION I/A/W GARMIN G1000 SERVICE AND CONFIGURATION MANUAL. GROUND CHECK OK.

(26) REMOVED INSPECTION PANELS, CLEANED PRIMED, PAINTED AND REINSTALLED ON THE WING. ALL WORK PERFORMED IAW AC43.13-1B CH 6 AND DA40-180 MM CH 52-40.

(27) REPLACED LH AND R/H WING FUEL GAUGE DECAL WITH NEW P/N D41-1127-10-22-1 IAW DA40 180 MM CH

2 of 3

11-00

- (28) TREATED AIRFRAME WITH AV30 AS REQUIRED.
- (29) CLEANED, SANDED, REPAIRED, FIRE PAINT AND SEALED BOTTOM COWL EXHAUST HOLE IAW AC43-13.1B CH 6.
- (31) REPLACED LEFT AND RIGHT MAIN TIRES AND INNER TUBES WITH NEW P/N 15X600-6-6GDYFLCIII S/N 81152294, 81162068 AND M15X600-6-TUBE TR20 IAW DA40-180 M/M CH 32-40 AND CLEVELAND MANUAL AWBCCMM0001-13/USA SECTION 300.
- (33) REVERSED NOSE CASTOR STOP PLATE TO ELIMINATE EXCESS PLAY AND REINSTALL ON NOSE LANDING LEG IAW DA40-180 M/M CH 32-20.
- (35) CLEANED AND TIGHTEN FUEL SENDER IAW DA40 180 M/M CH 28-00. LEAK CHECK GOOD.
- (36) REPLACED L/H AND R/H FLAP CONTROL PUSH ROD HARDWARE WITH NEW P/N LN9037-M6X26 IAW DA40 180 M/M CH. 57-50. CLEANED AND TREATED AREA WITH AV30 AS REQUIRED.
- (37) REPLACED L/H AND R/H ALERON CONTROL PUSH ROD HARDWARE WITH NEW P/N LN9037-M6X26 IAW DA40 180 M/M CH. 57-60. CLEANED AND TREATED AREA WITH AV30 AS REQUIRED.
- (39) REPLACED L/H AND R/H FLAP ACTUATOR LEVER ATTACHING NUTS WITH NEW P/N DIN985-M6-A2 IAW DA40 180 M/M CH 27-50. OPS CHECK GOOD.
- (40) RETIGHTEN FUEL SELECTOR VALVE HANDLE AS REQUIRED.
- (41) REPLACED LEFT DISC BRAKE WITH NEW P/N 164-24400 IAW DA40-180 M/M CH 32-40 AND CLEVELAND MANUAL WABCCMM0001-13/USA SECTION 300.
- (42) LEFT MAIN LANDING GEAR LINE CLAMP REGLUED AS REQUIRED.
- (43) REPLACED RIGHT DISC BRAKE WITH NEW P/N 164-24400 IAW DA40-180 M/M CH 32-40 AND CLEVELAND MANUAL WABCCMM0001-13/USA SECTION 300.
- (44) REPLACED ALTERNATOR COOLING AIR DUCTS WITH NEW P/N SCAT4 AS REQUIRED.
- (47) INSTALLED HOLD DOWN SCREW ON L/H FWD BAFFLE AS REQUIRED.
- (48) REPLACED INDUCTION AIR FILTER WITH NEW P/N FR-08504 IAW DA40 180 M/M CH 71-60.
- (49) REPLACED ENG FUEL INJECTION DISTRIBUTOR DRAIN LINE CLAMP WITH NEW P/N 851-370 AS REQUIRED.
- (50) REPLACED MUFFLER SUPPORT BRACE WITH NEW D41-7806-20-01 IAW DA40 180 MSB-40-044-1.
- (51) SEALED ENGINE BAFFLES WITH CS1900 KIT SEALANT AS REQUIRED.
- (54) ADJUSTED MIXTURE RISE IAW LYCOMING DIRECT DRIVE ENGINE OVERHAUL MANUAL SECTION 9.

3 of 3

I CERTIFY THIS AIRFRAME, ENGINE, OR PROPELLER HAS BEEN INSPECTED IAW AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

DATE: 7/24/2018

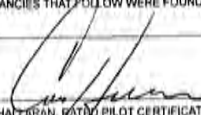
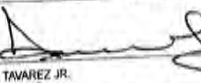
SIGNED

~~Work Order: 8024-06-2018~~

SAMUEL TAVAREZ JR.
CRS# 9PRR402B

Printed by EBis 3 (datcomedia.com)

AIR TIME AND

DATE	BROUGHT FORWARD	TOTAL AIR			
7/27/2018			MAKE: Diamond MODEL: DA 40 S/N: 40 576 REG. NO: 192DS WORK ORDER: 8024-06-2018 <i>Premier Aircraft Service</i> Premier Aircraft Service, Inc. 5540 NW 23rd Avenue Hanger 14 Fort Lauderdale, FL 33309 Phone: (954) 354-2393 DATE: 7/27/2018 A/C TSN: 1164.1 TACH: 1164.1 JURED FOR SCH		
			Airframe Entries (56) POST MAINTENANCE OPERATIONAL FLIGHT PERFORMED BY CORBIN HALLARAN, RATED PILOT CERTIFICATE # 3171565 PER 14 CFR 91.407. DISCREPANCIES THAT FOLLOW WERE FOUND DURING THE RTS FLIGHT AND WILL BE LISTED ON THIS WORK ORDER.		
7/27/2018			SIGNED:  CORBIN HALLARAN, RATED PILOT CERTIFICATE #3171565 Work Order: 8024-06-2018 Printed by EBis 3 (datacomedia.com)		
			MAKE: Diamond MODEL: DA 40 S/N: 40 576 REG. NO: 192DS WORK ORDER: 8024-06-2018 <i>Premier Aircraft Service</i> Premier Aircraft Service, Inc. 5540 NW 23rd Avenue Hanger 14 Fort Lauderdale, FL 33309 Phone: (954) 354-2393 DATE: 7/27/2018 A/C TSN: 1164.1 TACH: 1164.1		
			Airframe Entries (56) RELOADED G1000 SOFTWARE VER: 321.23 WAAS CONFIGURATION AS PER GARMIN G1000 MAINT/CONFIGURATION MANUAL. GROUND CHECK OUT NORM NO FAULTS NOTED.		
7/27/2018			SIGNED:  SAMUEL TAVAREZ JR. CRS# 91PRR402B Work Order: 8024-06-2018 Printed by EBis 3 (datacomedia.com)		

LOGBOOK ENTRY:
N192DS S/N 40.576
DIAMOND AIRCRAFT DA40 AIRCRAFT TT: 1164.1
July 20, 2018

REMOVED GARMIN GTX 33 TRANSPONDER.
INSTALLED NEW GARMIN GTX 345R WITH GPS ADSB OUT/IN TRANSPONDER IN SAME LOCATION. TRANSPONDER INSTALLED I/A/W GTX 345 PART 23 AML STC INSTALLATION MANUAL P/N 190-00734-10 DATED FEB. 28, 2018 REV 10 AND VERIFIED THIS INSTALLATION IS APPROVED UNDER STC# SA01714W1 APPROVED MODEL LIST. REMOVED COMANT COM ANTENNA AND INSTALLED COMANT 2580-200 GPS COM ANTENNA IN ITS PLACE USING SAME MOUNTING PROVISIONS OF ANTENNA REMOVED. UNIT TESTED AND INSPECTED I/A/W FAR 91.413 FOUND SATISFACTORY. AN FAA APPROVED FLIGHT MANUAL SUPPLEMENT FOR THE GTX 345R TRANSPONDER WITH GPS HAS BEEN ISSUED FOR THIS AIRCRAFT.

NO CHANGES IN WEIGHT AND BALANCE.

Mark B. Alicandro
MARK B. ALICANDRO
AP34737901A

CARRIED FORWARD

ENGINEERING RECORD

15

LOGBOOK ENTRY: *DIAMOND DA40 S/N 40.576 N182DS*
 THE STATIC PRESSURE SYSTEM, TRANSPONDER WITH ALTITUDE REPORTING WAS IDENTIFIED
 TESTED AND INSPECTED I/A/W FAR43 APPENDIX E, PAR A & C, APPENDIX F (FAR91.413)
 AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THIS TEST IS ON FILE
 AT THIS REPAIR STATION UNDER W.O. *729B* DATE *July 29, 18*

SIGNATURE *Mark B. Alecanidra* INSP *(MBA)*

TROPIC RADIO INC. 2695 N.W. 56th ST. HANGER 53-A
 FT. LAUDERDALE FL. 33309 FAA APPROVED REPAIR STATION # RZ4R510M
 FT. LAUDERDALE EXECUTIVE AIRPORT * ARCHER RAMP*
 TELEPHONE # 954-776-4030 WWW.TROPICRADIO.COM
GTX 345R S/N 3EH420309

ACT: 1164.1

TURE

LICENCE
NUMBER

MAKE: Diamond
 MODEL: DA 40
 S/N: 40.576
 REG. NO: 182DS
 WORK ORDER:
 8524-07-2019

Premier
 Aircraft Service

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

DATE: 8/15/2019
 A/C TSN: 1326.1
 TACH: 1326.1

Airframe Entries

- (2) C/W ANNUAL INSPECTION ON THIS AIRFRAME IAW 14 CFR PART 43, APPENDIX "D" USING DIAMOND DA 40-180 MM INSPECTION CHECKLIST AS A GUIDE. ADS CHECKED THROUGH CURRENT ON ATP.
- (7) C/W DIAMOND DA40 MANDATORY 2 YR REPLACEMENT OF EMERGENCY BATTERY IAW CH.4 AIRWORTHINESS LIMITATIONS.
- (8) C/W GARMIN REPLACEMENT OF 5 LIGHTNING PROTECTION SLOW BLOW FUSES IAW GARMIN G1000 AIRWORTHINESS LIMITATIONS SECTION 4.1
- (10) REMOVED ELT ACK E-04, S/N 03593 FOR REPAIR. AIRCRAFT RESTRICTED TO FLY WITHOUT ELT UNIT FOR UP TO 90 DAYS FROM THIS DATE.
- (11) INSTALLED NEW FLAP UP POSITION LIGHT BULB P/N 430552.
- (12) REPLACED INSTRUMENT LIGHTS POTENTIOMETER WITH NEW P/N KKS3U5021R24 IAW AC43.13-1B CH 11. OPS CHECKED GOOD.
- (13) REPLACED INDUCTION AIR FILTER WITH NEW P/N FR-08504 IAW DIAMOND DA40-180 MM CH 71.
- (14) TIGHTENED ALTERNATOR BELT TO SPECS IAW DIAMOND DA40 MM CH 24.

PROPELLER HAS BEEN INSPECTED IAW AN ANNUAL INSPECTION AND WAS

TROPIC RADIO INC.
 2695 N.W. 56TH ST. HANGER 53-A
 FT. LAUDERDALE, FL 33309
 FAA APPROVED REPAIR STATION #RZ4R510M
 FT. LAUDERDALE EXECUTIVE AIRPORT * ARCHER RAMP*
PHONE: 954-776-4030

Make and Model *Gann*
 Part No: *Curt*

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 COMPLETION.

FLIGHT
REMARKS

MAKE: Diamond
MODEL: DA 40
S/N: 40 576
REG. NO: 192DS
WORK ORDER:
8891-11-2019



Premier Aircraft Service, Inc.
5540 NW 23rd Avenue Hangar 14
Fort Lauderdale, FL 33309
Phone: (854) 334-2383

DATE: 11/22/2019
A/C TSN: 1345 B
TACH: 1345 B

Airframe Entries

- (3) INSTALLED ELT P/N ACK E-04 S/N 03593 AFTER REPAIR FROM ACK TECHNOLOGIES (UNDER W/O 26975) IAW DA40 MM CH 25-00. OPS CHECKED GOOD IAW FAR 91.207D.
- (4) REWIRED TERMINALS. INSTALLATION ON PANEL LIGHT POTENTIOMETER ASSY IAW DA40 DOCH DA4-9233-10-07 PANEL LIGHT INVERTER INOP. DEFER UNTIL PART ARRIVES.
- (5) ADJUSTED AND CENTERED KAP-140 AUTOPILOT TURN COORDINATOR. PERFORMED AUTOPILOT DIAGNOSTIC AND INSPECTION CHECK OUT NO FAULTS NOTED.

DATE: 11/22/2019

SIGNED:

EMMANUEL VICIOSO
CRS 9PRR402B

Work Order: 8891-11-2019

Printed by EBIS 3 (datcomedia.com)

1 of 2

MAKE: Diamond
MODEL: DA 40
S/N: 40 576
REG. NO: 192DS
WORK ORDER:
9010-07-2020



Premier Aircraft Service, Inc.
5540 NW 23rd Avenue Hangar 14
Fort Lauderdale, FL 33309
Phone: (854) 334-2383

DATE: 9/18/2020
A/C TSN: 1418 B
TACH: 1418 B

Airframe Entries

- (2) C/W ANNUAL INSPECTION ON THIS AIRFRAME IAW 14 CFR PART 43, APPENDIX "D" USING DIAMOND DA 40-180 MM INSPECTION CHECKLIST AS A GUIDE. ADN CHECKED THROUGH CURRENT ON ATP.
- (10) C/W AD 2009-10-04 NLG LEG INSPECTION. NO DEFECTS NOTED AT THIS TIME. NEXT DUE IN 200HRS.
- (11) C/W ELT TEST AND INSPECTION IAW FAR 91.207-D, PAR 1-2-3-4 ON ACK ELT E-04 S/N 3593 FOUND SATISFACTORY. ELT BATTERY DUE DATE: MAY/2022. HEX ID: 2DC06A1C12FFBFF
- (13) C/W CHAP 4 (12YR) MAJOR STRUCTURE INSP AS PER CHECKS SET FORTH IN CHAP 5 CHECK LIST. ALL CHECKS GOOD. NO DEFECTS FOUND AT THIS TIME.
- (17) C/W 8 YR FUEL TANK INTERCONNECT HOSES REPLACEMENT INSTALLED. NEW COUPLING PN D41-2817-10-70 IAW DA40-180 MM CH 29-10. NO LEAKS DETECTED AT THIS TIME.
- (22) C/W GARMIN SB 1308 SOFTWARE UPDATE GTX 3XS SOFTWARE UPDATE VS 2.54. RECONFIGURED G1000 SYSTEM INTERFACE. PERFORMED TRANSPONDER GROUND CORRELATION CHECK. NO FAULTS NOTED.
- (23) TIGHTEN REAR CABIN DOOR STRUT ATTACH BRACKET. HARDWARE IAW DA40-180 MM CH 52-10.
- (26) REPLACED LH WHEEL BEARING CRASE RING WITH NEW IAW DA40-180 MM CH 32-40.
- (29) REPLACED RH ALERON OUTBOARD AND LH ALERON INBOARD ROLLERS WITH NEW PN DS RG3 IAW DA40-180 MM CH 27-10. INSTALLED LH AND RH WINGS IAW DA40-180 MM CH 57-10. OPS CHECKED GOOD.
- (30) INSPECTED NLG UPPER ATTACH POINT AND FOUND BUSHINGS TO BE WORN. SEE ITEM #49 FOR CORRECTIVE ACTION.
- (31) REPLACED WORN HARDWARE ON LOWER ELEVATOR CONTROL AFT PUSH ROD TUBE ASSEMBLY. CHECKED RIGGING IAW DA 40-180 MM CHAP 27-30.
- (32) CLEANED, PREP RH GEAR AND BRAKE SUPPORT CLAMPS. INSTALLED CLAMPS TO RH GEAR, AS REQUIRED.
- (33) REMOVED PILOT SEAT INBO CRASH ABSORBER AND INSTALLED WITH NEW PN D44-2510-01-20_30 IAW RAM 40-133.
- (34) SERVICED CO PILOTS RH BRAKES IAW DA40-180 MM CH 32-40. OPS CHECKED GOOD.

2 of 2

- (35) SECURED PILOT CONTROL STICK LOWER ATTACH BOLT IAW DA40-180 MM CH 27-10.
- (36) REMOVED AND REPLACED FLAP ACTUATOR BELLCRANK GROUNDING STRAP IAW DA 40 180 MM CHAP 27-50.
- (43) REPLACED SEVERAL SCREWS ON LANDING LIGHT LENS IAW DA40-180 MM CH 33-40.
- (44) FOUND RS232 FROM ELT TO G1A1 GROUNDED REPOSITION ELT RS232 CONNECTION ON G1A1 CHANNEL #3 FOR GPS. WORK DONE IAW ACK TECHNOLOGIES INC MODEL E-04 ELT INSTALLATION MANUAL AND OPERATIONAL MANUAL P/N E04M REV 1.10. OPERATIONAL CHECKED GOOD.
- (46) INSTALL NEW PIN ON WIRE FOR OUTBOARD FUEL PROBE WIRE ASSEMBLY IAW AC 43.13 CHAP 11.
- (47) REPLACED LH INBOARD FUEL PROBE TRANSDUCER WITH NEW PN 3010011-WIP IAW DA40-180 MM CH 28-10. NO LEAKS DETECTED AT THIS TIME.
- (48) PERFORMED FUEL QTY CALIBRATION IAW G1000 LMM-DIAMOND DAA # 190-00545-01 REVISION G CHAPTER 4.6. TOTAL FUEL CALIBRATION 51 US GAL.
- (49) REPLACED NLG LEG LH AND RH UPPER BUSHINGS WITH NEW PN EGF25215-E40-B IAW DA40-180 MM CH 32-30.
- (50) ADJUSTED LH AND RH ALERON IAW DA40-180 MM CH 27-10.
- (51) REPLACED LH WING TIP SCREW WITH NEW AS REQUIRED.

I CERTIFY THIS AIRFRAME, ENGINE, OR PROPELLER HAS BEEN INSPECTED IAW AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

DATE: 9/18/2020

SIGNED:

SAMUEL TAVAREZ JR
CRS8 9PRR402B

Work Order: 9010-07-2020

Printed by EBIS 3 (datcomedia.com)

CARRIED FORWARD

ENGINEERING RECORD

15

ENTRIES, DBA

MAKE: Diamond
MODEL: DA 40
S/N: 40 576
REG. NO: 192DS
WORK ORDER:
8910-07-2020



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

DATE: 9/18/2020
A/C TSN: 1418.2
TACH: 1418.2

LICENCE
NUMBER

Airframe Entries

(11) C/W ELT TEST AND INSPECTION IAW FAR 91.207-D, PAR 1-2-3-4 ON ACK ELT E-04 S/N 3593 FOUND SATISFACTORY. ELT BATTERY DUE DATE: MAY/2022. HEX ID: 2DC8A1C12FFBFF.
(12) I CERTIFY THAT ALTIMETER, ALTITUDE REPORTER, TRANSPONDER AND STATIC SYSTEM TEST REQUIRED BY FAR 91.411 HAS BEEN COMPLETED. ALTIMETER HAS BEEN TESTED TO 20,000 FT. MAIN ALTIMETER GDC S/N 47805299. STBY ALT. M/N 5934PD-3 S/N 450150.
I CERTIFY THAT THE TRANSPONDER TEST PER FAR 91.413 HAS BEEN COMPLETED. GTX345R M/N011-03303-40 S/N 3EH420309.
INSPECTION REPORTS ON FILE UNDER THIS W/O.

DATE: 9/18/2020

SIGNED:

JUAN VALENCIA
CRS# 9PRR402B

Work Order: 9010-07-2020

Printed by EBIS 3 (datamedia.com)

MAKE: Diamond
MODEL: DA 40
S/N: 40 576
REG. NO: 192DS
WORK ORDER:
9010-07-2020



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

DATE: 9/23/2020
A/C TSN: 1418.8
TACH: 1418.8

Airframe Entries

(52) POST MAINTENANCE OPERATIONAL FLIGHT PERFORMED BY RYAONEIL ROSS, RATED PILOT CERTIFICATE # 3783428 PER 14 CFR 91.407. DISCREPANCIES THAT FOLLOW WERE FOUND DURING THE RTS FLIGHT AND WILL BE LISTED ON THIS WORK ORDER.
(53) REPLACED ROLL SERVO WITH SERVICEABLE UNIT P/N 065-00179-0500 S/N 2756 IAW DA40 MM CH 22-10-00 AND KAP-140 INSTALLATION MANUAL. OPS CHECKED GOOD.

DATE: 9/23/2020

SIGNED:

EMMANUEL VICIOSO
CRS 9PRR402B

Work Order: 9010-07-2020

Printed by EBIS 3 (datamedia.com)

MAKE: Diamond
MODEL: DA 40
S/N: 40 576
REG. NO: 192DS
WORK ORDER:
8877-04-2020



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

DATE: 4/20/2020
A/C TSN: 1377.9
TACH: 1377.9

Airframe Entries

(2) REPLACED DC TO AC INSTRUMENT LIGHTS INVERTER WITH NEW P/N APVL328-4-1-L-15QF S/N 572 IAW AC43.13-1B CH 11. OPS CHECKED GOOD.

DATE: 4/20/2020

SIGNED:

EMMANUEL VICIOSO
CRS 9PRR402B

Work Order: 8877-04-2020

Printed by EBIS 3 (datamedia.com)

AIR TIME AND

[illegible]

AIR TIME AND

[illegible]

ENGINEERING RECORD

17

INSPECTION, REPAIRS & REPLACEMENT

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

SIGNATURE

LICENCE
NUMBER

Make: Diamond
Model: DA40
S/N: 40.576
Reg. No: N192DS

Aerial Banners Inc.
601 SW 77th Way
Pembroke Pines, FL 33023

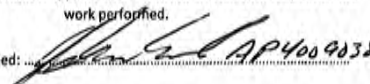
Date: 2/23/22
TACH: 1514.3

AIRCRAFT ENTRY

Removed and re-installed R/H wing due to fuel quantity probe leak IAW DA40 MM section 57-10 pages 202-212. Replaced L/H and R/H main tires with new Goodyear 15/6.00-6 tires P/n: 156E66-4 and G15/6.00-6 tubes. Replaced nose tire with new Goodyear tire P/n: 505C66-5 and new tube P/n: G1-5067B.

Replaced L/H and R/H brake linings with P/n: 066-14100.

Replaced Co-pilot L/H Rudder spring P/n: MS24586-C207. Ops and leak check satisfactory. All work performed IAW current FAA regulations and Diamond Maintenance Manual and is approved for return to service with respect to the work performed.

Date: 2/23/22 Signed: 

Make: DIAMOND
Model: DA-40
S/N: 40.576
Reg. No: N192DS

Aerial Banners Inc.
601 SW 77th Way
Pembroke Pines, FL 33023

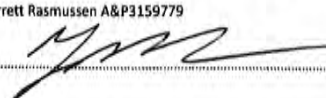
Date: 6/7/22
TACH: 1535.6
TTAF: 1535.6

AIRFRAME ENTRY

1. Removed RH wheel fairing due to paint damage, prepped and repaired area. Matched paint and painted. Reinstalled IAW manufacturers MM.
2. Installed LH and RH wing gap seal PN DAI-9057-00-01.

All work performed IAW current manufactures MM. Airframe deemed airworthy for only work performed above and is returned to service.

Garrett Rasmussen A&P3159779



A I R

DATE

DAILY
TOTALTOTAL AIR
TIME SINCE
MFG.

HRS.

MIN.

HRS.

MIN.

NOTE:



MAINTENANCE RECORD AIRFRAME

Date 10/10/2022

TTA 1,579.5

Tach. 1,579.5

Hobbs 2,028.0

SN: 40,576

CUSTOMER: AMERICA FLIGHT TRAINING

REG: N192DS

MANUFACTURER DIAMOND

MODEL: DA40

PERFORMED ANNUAL INSPECTION ON THIS AIRCRAFT IAW FAR PART 43 APPENDIX D

- Inspected ELT as per FAR 91.207 (d) no discrepancy noted at this time
 - Replaced ELT battery P/N E-04.0, next battery replacement due at 8/2027
 - Altimeter and transponder has been checked at this time
 - Lubricated flight controls with LPS#2
 - Serviced main and nose wheel bearings
 - Fixed headliners
 - Replaced pilot side rudder pedal spring P/N MS24586C207
 - Installed a new grip tape on RH and LH side steps
 - Replaced main battery P/N RG24-15M S/N 41251708
 - Replaced wing tips nav light and installed a LED Orion 600 series
 - CW AD# 2009-10-04 nose gear as per MSB D4-046/3 next due at 1,779.5 tach or at annual inspection
 - AD# 2022-13-06 N/A not baggage net installed at this time
- I certified that this aircraft has been inspected with annual inspection and we determined to be in airworthy conditions

Bernardo Viena
A&P 65 44162 IA

I certify the altimeter and static tests required by
FAR 43, App. E, (Para...noted) A/C REG. N192DS

1. static system per Para. (a) L (wright in left or right, or L&R)
2. Left altimeter per para. (b) to 15,000 ft. pos. or sn 2021 S12A4K
3. Right altimeter per para. (b) to 15,000 ft. pos. or sn 2
4. Integrated system per para. (c) No. 1, 2 (List No's)
Tested by [Signature] Date 10/13/22 W/O 101722-1

Av Tech Services LLC FAA CRS 64AR088C

FAR 91.413 Transponder and Altitude Reporting System.
Required tests and inspections as marked were performed with
reference to current approved procedures and equipment and/or
systems complied with requirements. TR 1579.5
Aircraft Registration N192DS

- ☒ PT 43 APP.F TXP#1 ON 10/13/22
 - ☒ PT 43 APP.F TXP#2 ON 10/13/22
 - ☒ PT 43.E.c #1 Integrated System Test On 10/13/22
 - ☒ PT 43.E.c #2 Integrated System Test On 10/13/22
- Tested by [Signature] Date 10/13/22 W/O 101722-1
FAA CRS 64AR088C

ENGINEERING RECORD

INSPECTION, REPAIRS & REPLACEMENT
FAIRNESS, ORDER & NEED FOR LINE THROUGH AND INSURED, WORK DATE AND TIME REQUIRED

SIGNATURE

LICENSE
NUMBER



MAINTENANCE RECORD AIRFRAME

CUSTOMER: RMG Aviation LLC

REG: N192DS

MANUFACTURER: Diamond

MODEL: DA40

SN: 40.576

Date: 7/Mar/2023

TTA: 2,053.8

Tach: 1,598.1

Hobbs: 2,053.8

- Engine serviced with
- 8 qts oil aeroshell W100 and camguard. Replaced oil filter AA48110-2. Open old oil filter no metal noted at this time
- Cleaned, inspected and gapped spark plugs
- Replaced Master Relay PN: 26-58-09
- Replaced missing screws on nose wheel fairing
- Fixed twisted LH front seat belt
- Performed engine run up no leak noted at this time
- Removed erosion tape and painted
- Repaired and painted Leading Edges
- Repaired and painted stabilizer fairing
- Installed Diamond DA-40 Paint Protection Kit PN: FAK-211CC/40
- CW AD#2014-13-08 in accordance with MSB 40-074 / D4-094 / F4-028, reinforcement of Aft main spar ATA-Code: 57-00, as per AMM section 25-10 and 51-20. Passenger seat removal and installation in accordance with SI 42-147 / SI 42NG-018. Installed PN: KDU1094 Carbon Fabric using hardener PN: H286 Lot: RC2205964 expiration 2024/Jan/27 and resin PN: L285 Lot: RC2203006 expiration 2023/Dec/20.

Willydo Morel
A&P 3653650

Peninsula Aviation, Inc
14229 SW 127th St
Miami, FL 33186
FAA CRS # OPIR3176
EASA # 145.6099

Date: 06/27/2023

Registration: N192DS Make: Diamond Model: DA40 S/N: 40.576
W.O. 44904 Hobbs: 2089.8 Tach: 1625.2

REMOVED Defective GDU-1040 Garmin Display P/N 011-00972-00 S/N 86503733

INSTALLED Newly Oil Exchange GDU-1040 Garmin Display P/N 011-00972-00 S/N 86502012

PERFORMED Ground Checkout Procedures on newly installed equipment IAW MFG manuals. On's checked satisfactorily. No significant change in weight & balance. Aircraft returned to service.

All work performed IAW current FAA Regulations. Only those items specified have been repaired and/or inspected, found to be airworthy and approved for return to service. No other representations concerning airworthiness are expressed or implied.

Details on file under W.O.# 44904

Authorized Signature:

AIR TIME AND

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

2375-08-2023 (08-22-2023)

MAKE: Diamond
MODEL: DA40
S/N: 40.576
REG. NO: N192DS

REPAIR

Rex Air Maintenance Center
384 Citation Point
Naples, FL 34104

Page 1 of 1

W/O #: 2375-08-2023

DATE: 08-22-2023

Tach: 1632.8

Airframe Entries

Ran up engine. Ops check good. 2700 rpm, oil 180°F All engine indicators in the green.

All work and inspections have been performed IAW applicable Maintenance Manuals and FAR's, and is found to be in Airworthy condition at this time. Pertinent details of service are on file at this facility under Work Order No. 2375-08-2023. Dated 08-22-2023.

DATE: 08-22-2023

SIGNED:

Clint Carls
A&P or IA Number: AP4542696

WORK ORDER: 2375-08-2023

Printed by EBIS (EBISCloud.com)



Tel: 954-816-7399 Fax: 954-942-4700 afmohamed@hotmail.com

10/18/2023 N192DS Diamond DA-40 S/n: 40.576 ACTT: 1.646.6 TACH: 21.4 H.M: 2.116.8

AIRFRAME:

Annual inspection IAW Diamond Document #: 6.02.01 Rev. 9 dated 10/18/2021. Performed pre and post ground inspection run-ups. Cleaned and re-oiled reusable induction air filter P/n: FR-08504. Lubricate IAW lubrication chart. Checked all drain holes for obstruction Chapter 05-25. Clean and repacked all wheel bearings. Serviced tire pressures and brake reservoir and fully charged aircraft battery. Brake disc minimum thickness: Min: .290" (L/n: .310" and R/n: .300"). Research Type Certificate Data Sheet #: A47CE. Checked for ARROWE documents. Checked for installation of all required placards. Ops tested all circuit breakers. Clean and reseat fuel bowl. Blow out fuel vents with fuel cap removed. ELT battery next due replacement 07/27. 406MHz ELT ops tested O.K. FAR 91.411 & 91.413 next due 10/2024. ELT remote head battery P/n: 28L next due replacement 03/2032. Weighed fire extinguisher O.K. Min: 2lbs4oz Actual: 2lbs4oz. Emergency battery P/n: D41-2560-93-00 S/n: 2220821002 next due replacement 10/2025. Replaced ELT remote switch battery with new P/n: 28L. Next due replacing 03/2032. Replaced ELT P/n: E-04.7 audio alert battery with new P/n: CR2. Next due replacing in 03/2031. All AD's researched through Fed BI-Weekly 2023-21 Comply with AD 07-11-21. fuel selector shaft universal joints. PCW. Comply with AD 09-10-04, nose landing gear leg pivot axle. PCW. I certify this AIRCRAFT has been inspected in accordance with a 100 Hour/Annual inspection within the scope & detail of Diamond Document #: 6.02.01 Rev. 9 dated 10/18/2021 and was determined to be in AIRWORTHY CONDITION and is APPROVED FOR RETURN TO SERVICE

[Signature]

Ameer F. Mohamed

A&P: 3270645 IA

CARRIED FORWARD

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

SIGNATURE

LICENCE
NUMBER

ASSC
Aviation Specialty Services Corp.

Tel: 954-816-7399 Fax: 954-942-4700 afmohamed@hotmail.com

01/29/2024 N192DS Diamond DA-40 S/n: 40.576 ACTT: 1.862.1 TACH: 38.9 H.M: 2.138.3

AIRFRAME:

Comply with AD 09-10-04, nose landing gear leg pivot axle IAW Mandatory SB No. MSB D4-046/3 dated 11/17/2008. No cracks noted using Dye penetrant method. Next due 01/2025 or ACTT: 1.862.1 whichever occurs later. I certify, with respect to the work accomplished above, that this aircraft is approved for return to service.

Ameer F. Mohamed
A&P: 3270645

N192DS I.A.W. FAR PART 43 APPENDIX E (b) Work 1.862
ALTIMETER SCALE CORRECTION CARD

Altimeter #1 PN: 60X74 SN: 47805299

Altimeter #2 PN: 5434PD-3 SN: 450150

ATR 345R meets AOSB requirements of FAR 91.227

STANDARD ALTITUDE IN FEET	ALT #1	ALT #2	STANDARD ALTITUDE IN FEET	ALT #1	ALT #2
-1,000	-1010	-1000	14,000	13970	13950
0	0	+10	16,000	15960	15970
500	500	510	18,000	17950	18010
1,000	990	1010	20,000	20020	20040
1,500	1490	1510	25,000		
2,000	2000	2020	30,000		
3,000	3000	3020	35,000		
4,000	3990	4010	40,000		
5,000	5980	6000	45,000		
6,000	7980	7970	50,000		
10,000	9940	9970			
12,000	11980	11960			

AEROSPACE AVIONICS, LLC. - FAA CRS No. 80NR834D

DATE: 11-01-2024 TESTED BY: [Signature]

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					

91.411 & 91.413 CERTIFICATION Supplemental Logbook Entry			
DATE: <i>11-01-2024</i>	REGISTRATION: <i>N192DS</i>	WORK ORDER: <i>1869</i>	
TRANSPONDER N°1		TRANSPONDER N°2	
MODEL	SERIAL	MODEL	SERIAL
<i>GTx 345R</i>	<i>3EH 420309</i>	<i>N-A</i>	<i>N-A</i>
I certify that the Static System, Transponder(s) Certification, Altimeter(s) Certification and Encoder(s) correlation for this aircraft have been performed and found to comply with the requirements of FAR 91.411 and FAR 91.413. The components were inspected and functionally tested in accordance with current Federal Aviation Regulations and were found airworthy for return to service. Altimeter calibration tested to <i>2000</i> feet IAW FAR Part 43 Appendix E (b). Details on W/O # <i>1869</i>. AEROSPACE AVIONICS, LLC. - FAA CRS No. 80NR684D 2899 W. Prospect Road, Suite E., Fort Lauderdale, FL 33309 Telephone: (954) 714-7929 Date: <i>11-01-2024</i> Tested by: <i>[Signature]</i>			



AIRFRAME:

Annual Inspection IAW Diamond Document #: 6.02.01 Rev. 10 dated 03/28/2023. Performed pre and post ground inspection run-ups. Cleaned and re-oiled reusable induction air filter P/n: FR-08504. Lubricate IAW lubrication chart. Checked all drain holes for obstruction Chapter 05-25. Clean and repacked all wheel bearings. Serviced tire pressures and brake reservoir and fully charged aircraft battery. Brake disc minimum thickness: Min: .290" (L/h: .302" and R/h: .305"). Research Type Certificate Data Sheet #: A47CE. Checked for ARROWE documents. Checked for installation of all required placards. Ops tested all circuit breakers. Fuel gascolator bowl would not come apart to clean filter element. Unit P/n: GAS375-M. Replaced only gascolator part of P/n GAS375-M-COMBO85 S/n: RC2405325 (1). Ground run ops and leak tested O.K. Blow out fuel vents with fuel cap removed. ELT battery next due replacement 07/27. 406MHz ELT ops tested O.K. FAR 91.411 & 91.413 next due 11/2026. ELT remote head battery P/n: 28L next due replacement 03/2032. Weighed fire extinguisher O.K. Min: 2lbs4+/-4ozs Actual: 2lbs4ozs. Emergency battery P/n: D41-2560-93-00 S/n: 2220821002 next due replacement 10/2025. ELT remote switch battery P/n: 28L next due replacing 03/2032. ELT P/n: E-04.7 audio alert battery P/n: CR2 next due replacing in 03/2031. Co-pilot side brakes soft. Bleed system IAW Chapter 32-40-00. Replaced bleeder screw with new P/n: 079-00300. Serviced reservoirs. All AD's researched through Fed Bi-Weekly 2024-24. Comply with AD 07-11-21, fuel selector shaft universal joints. PCW. Comply with AD 24-19-08, NLG leg pivot axle. No cracks found. Next due ACTT: 1,837.2. Part must be replaced no later than ACTT: 2,500 or 11/2026. I certify this AIRCRAFT has been inspected in accordance with a 100 Hour/Annual Inspection within the scope & detail of Diamond Document #: 6.02.01 Rev. 10 dated 03/28/2023 and was determined to be in AIRWORTHY CONDITION and is APPROVED FOR RETURN TO SERVICE.

[Signature]

Ameer F. Mohamed

A&P: 3270645 IA

ENGINEERING RECORD

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INSPECTION, REPAIRS & REPLACEMENT

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



12/22/2025 N192DS Diamond DA-40 S/n: 40.576 ACTT: 1.757.0 TACH: 131.8 H.M: 2.261.2

AIRFRAME:

Annual Inspection IAW Diamond Document #: 6.02.01 Rev. 10 dated 03/28/2023. Performed pre and post ground inspection run-ups. Replaced Induction air filter element with new P/n: FR-08504. Lubricate IAW lubrication chart. Checked all drain holes for obstruction Chapter 05-25. Clean and repacked all wheel bearings. Serviced tire pressures and brake reservoir and fully charged aircraft battery. Brake disc minimum thickness: Min: .290" (L/h: .300" and R/h: .304"). Research Type Certificate Data Sheet #: A47CE. Checked for ARROWE documents. Checked for installation of all required placards. Ops tested all circuit breakers. Clean fuel gascolator bowl. Blow out fuel vents with fuel cap removed. ELT battery next due replacement 07/27. 406MHz ELT ops tested extingulsher O.K. Min: 2lbs4+/-4ozs Actual: 2lbs4ozs. Replaced emergency battery pack P/n: D41-2560-93-00 S/n: 325225026 with new. Next due replacement 12/2027. ELT P/n: E-04.7 audio alert battery P/n: CR2 next due replacing in 03/2031. Repaired broken ground strap on right flap. Top cowlng, right fastener pulled through fiberglass cowlng. Fabricated large area washer and grounding strap broken. Repaired. Installed new plugs P/n: 50498-200 ort both main landing gear fairing service openings. All AD's researched through Fed Bi-Weekly 2025-25. Comply with AD 07-11-21, fuel selector shaft universal joints. PCW. Comply with AD 24-19-08, NLG leg pivot axle. No cracks found. Next due ACTT: 1,837.2. Part must be replaced no later than ACTT: 2,500 or 11/2026. I certify this **AIRCRAFT** has been inspected in accordance with a Annual Inspection within the scope & detail of Diamond Document #: 6.02.01 Rev. 10 dated 03/28/2023 and was determined to be in AIRWORTHY CONDITION and is APPROVED FOR RETURN TO SERVICE.

SIGNATURE

LICENCE
NUMBER

Ameer F. Mohamed
 A&P: 3270645 IA