

AIRCRAFT TECHNICAL LOGS

Section 1. AIRFRAME

March 17th 2010

AIRCRAFT

- | | |
|--|--------------------|
| 1. Nationality and Registration | <u>N892DS</u> |
| 2. Manufacturer's Designation | <u>DA 40</u> |
| 3. Manufacturer's Serial Number | <u>40.892</u> |
| 4. Type Approval or Specification Number | <u>A-224/A47CE</u> |
| 5. Date of Manufacture | <u>2007</u> |
| 6. Aircraft Inspection Cycle | <u></u> |

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.	
BROUGHT FORWARD	0	0	0	0	AIRCRAFT NEW WITH MT-PROPELLER ENTWICKLUNG GmbH MODEL NO. MTV-12-B/183-59b INSTALLED AS PER TCCA STC NO. SA006-52 (FAA STC NO. SA02292NY), GARMIN G1000 INTEGRATED AVIONICS SYSTEM INSTALLED AS PER FAA STC. SA01254WI AMEND. 1, GARMIN GFC 700 AUTOMATIC FLIGHT CONTROL SYSTEM INSTALLED AS PER FAA STC NO. SA01389WI, GARMIN UPGRADE OF G1000 AND GFC 700 AFCS SOFTWARE AND OPTIONAL WAAS HARDWARE UPGRADES AS PER FAA STC NO. SA01444WI-D, POWERFLOW SYSTEMS INC. TUNED EXHAUST SYSTEM INSTALLED AS PER FAA STC NO. SA03281AT, AMSAFE INFLATABLE RESTRAINT SYSTEM INSTALLED AS PER FAA STC NO. SA01918LA. DA Q 42



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. 91:41

SERIAL NUMBER

REGISTRATION MARK

DATE

INSPECTOR

40.892

N892DS

23 January, 2008

DA
Q 42



21 January 2008 S/N 40.892
COMPASS DEVIATION, ALL ELECTRICS ON

FOR	N	30	60	E	120	150
STEER	360	030	061	090	121	151
FOR	S	210	240	W	300	330
STEER	181	211	241	269	300	330



INDEPENDENT CHECK OF FLIGHT AND POWERPLANT CONTROLS

DATE

INSPECTOR

23 January, 2008

DA
Q 65

JAN 23 2008	0	0	0	0	AIRCRAFT SERVICEABLE FOR FLIGHT
JAN 23 2008			2	5	
JAN 23 2008			2	8	
JAN 23 2008			3	0	
JAN 28 2008			3	0	AIRCRAFT SERVICEABLE FOR FLIGHT
JAN 28 2008			4	2	
JAN 28 2008			4	6	
JAN 31 2008			4	6	ALL DISCREPANCIES RECTIFIED
			4	6	CARRIED FORWARD

ENGINEERING RECORD

1

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

SIGNATURE

LICENCE
NUMBER

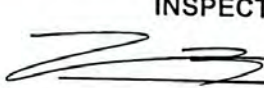
 **Diamond**

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

23 January, 2008

INSPECTOR

 **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)

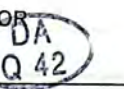
ANNUAL INSPECTION DUE: JANUARY 2009

BATTERY DUE: FEBRUARY 2010

DATE

23 January, 2008

INSPECTOR

 **Diamond**

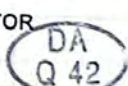
DIAMOND AIRCRAFT INDUSTRIES INC.
D.O.T. APPROVED MANUFACTURER #161-93

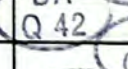
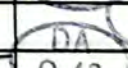
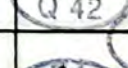
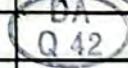
THIS AIRCRAFT WAS INSPECTED FOR CONFORMITY TO APPLICABLE COMPANY RELEASED DOCUMENTS (DRAWINGS, SPECIFICATIONS, CONCESSIONS) AND IS SERVICEABLE.

DATE

23 January, 2008

INSPECTOR

AIR TIME AND

[illegible]

ENGINEERING RECORD

2

INSPECTION, REPAIRS & REPLACEMENT

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

SIGNATURE

LICENCE
NUMBER

Q 42

 **Diamond**

U.S. Standard Airworthiness Certificate, issued:

(Date) FEB 04 2008, has been installed
aircraft on behalf of NE-MIDO-46 on:

(Date) FEB 04 2008

(Print) R. Salton (Signature) 



DOMINION AVIATION

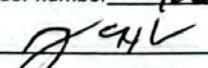
Date: 2/28/2008; Aircraft: 892DS; Type: DIAMOND DA-40; S/N: 40.892;
Hobbs: 31.90; Tach: 21.50; Engine - Type: , S/N: , Time: 0.00; Prop - Type: ,
S/N: , Time: 0.00

****Airframe****

-Removed and Replaced bushing and washer on upper elevator attach point.
Bushing part # BU1-10-06-0100-C. Washer Part # 001-1101-599.
Removed and replaced all hardware in accordance with Diamond
maintenance manual, IPC and standard maintenance practices. Reinstalled
fairing

The maintenance described above was performed and inspected in
accordance with current FAA Regulations and is approved for return to
service only for the work performed. Ref: 14 CFR Part 43.9. Pertinent
details of the repair are on file at this repair station under

Work Order number 18395

Signed 

Dominion Aviation CRS ODAR018H
7511 Airfield Drive
Richmond, Virginia 23237
(804) 271-7793

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					



N Number	Date	TACH/HOBBS	AFTT
892DS	3/10/2008	27.3	27.3

AF Entry

Performed initial 25-hour inspection on this aircraft in accordance with FAR 43 appendix D. Checked all controls for proper rigging and lubricated. Checked all cables for proper tension, checked all structural points, inspected all hoses, lines and wiring. Repacked all wheel bearings, checked tires, wheels and brakes for condition. Replaced LH tail light, OPS check good. Inspected ELT in accordance with FAR 91.207(d), battery replacement date 02/13. Replaced instrument air filters as required, checked and serviced all fluid levels, lubricated controls and washed aircraft. Checked MFG SB's to date. Checked applicable AD's for compliance to date. Inspected Garmin GSM 85 Servo, no applicable due to mod level. All work performed in accordance with Diamond service manual and standard practice as listed in FAR part 43 to return this aircraft to service in airworthy condition. Refer to WO# G01315 on file at Dillon's Aviation, Inc.

Ron Dillon For Dillon's Aviation, Inc.
AP2394828951A



N Number	Date	TACH/HOBBS	AFTT
N892DS	1/15/2009	101.5	101.5

AF Entry

Performed an annual inspection on this aircraft in accordance with FAR 43 appendix D. Checked all controls for proper rigging and lubricated. Checked all cables for proper tension, checked all structural points, inspected all hoses, lines and wiring. Repacked all wheel bearings, checked tires, wheels and brakes for condition. Inspected ELT in accordance with FAR 91.207(d), next due 1/10. ELT battery replacement date 12/09. Checked and serviced all fluid levels, lubricated controls and washed aircraft. Replaced #1 GIA 63W unit PN/ 011-01105-00 SN/ 68507869 with GIA 63W PN 011-01105-00 SN/ 68507869 and down loaded info per Garmin tech support, all ops ok. Checked MFG SB's to date. Checked applicable AD's for compliance to date. All work performed in accordance with manufacturer service manual and standard practice as listed in FAR part 43 to return this aircraft to service. NAV data updated, next due 1/15/09. Refer to WO# G01527 on file at Dillon's Aviation, Inc.

MSB 40-054/1 static, pitot stall line reinforcement c/w by inspection and modification per MSB and line replacement kit. PN/ MSB 40-054 kit.

AD 2007-17-06 nose gear inspection for cracks c/w by inspection, no cracks noted, next due 301.5 or 1/10 whichever occurs later.

Ron D. Dillon
AP2394828951A

CARRIED FORWARD

N Number
N892DS

Date **5/21/2009** TACH/HOBBS
132.00

Log Entry
C/W AD 2009-07-14 per Diamond Aircraft Industries MSB-40-060 and WIMSB-040-060 and WIMSB-F4-016 Appendix A Rev. 0 dated Oct. 20, 2008. No voids noted. Refer to WO #G01655 on file at Dillon's Aviation, Inc..

Ladd J Maxson Jr.
Ladd J Maxson, Jr. For Dillon's Aviation, Inc.
AP3064381

3

SIGNATURE

LICENCE
NUMBER

FAA-PMA

This tag certifies that Sky-Tec starter Model **149-24LS** SN **F4L-190907** was produced by Sky-Tec under the authority of FAA PMA No. PQ0852SW Supplement No. 1 per CFR14 Part 21 in accordance with Sky-Tec's FAA-Approved Fabrication Inspection System (CFR14 Part 21 §21.303) and conforms to the relevant FAA-approved drawings. This part has been determined to be airworthy. For installation eligibility see www.skytecair.com/eligibility.htm.

Starter Installed on **N 892DS** by **Richard Thomas**
(Aircraft) (Mechanic)
7/1/09 **AP264498547IA**
(Date of Installation) (A&P No.)

Form CC1108-1

N Number
892DS

Date **7/1/2009** TACH/HOBBS
151.5

Log Entry
Starter nose is broken, removed defective starter (P/N 390716). Installed new starter (P/N 149-24LS, S Service Manual. Ops checked good. Refer to W Aviation Inc.

Richard Thomas
Richard Thomas For Dillon's Aviation
AP264498547IA



N Number
892DS

Date **2/26/2010** TACH/HOBBS
195.2

Log Entry
I have inspected this aircraft and found it to be in airworthy condition for the purpose of this ferry flight from LHZ to PGV.

Ladd J Maxson Jr.
Ladd J Maxson, Jr. For Dillon's Aviation, Inc.
AP3064381

N Number	Date	TACH/HOBBS	AFTT
892DS	3/19/2010	196.1	196.1

AF Entry

Performed annual inspection on this aircraft in accordance with FAR 43 appendix D. Checked all controls for proper rigging and lubricated. Checked all cables for proper tension, checked all structural points, inspected all hoses, lines and wiring. Repacked all wheel bearings, checked tires, wheels and brakes for condition. Replaced LH main tire with new Condor 15x6.00 6 ply tire, P/N 072-449-0, S/N 8197W00900. Installed new pilot rudder pedal unit, P/N DA4-2723-19-00_1, S/N 374. Inspected ELT in accordance with FAR 91.207(d), battery due date 02/2013. Installed new #1 exhaust riser on power flow system, P/N 11550. Checked and serviced all fluid levels, lubricated controls and washed aircraft. Checked MFG SB's to date. Checked applicable AD's for compliance to date. All work performed in accordance with Diamond service manual and standard practice as listed in FAR part 43 to return this aircraft to service in airworthy condition. Refer to WO# G01894 on file at Dillon's Aviation, Inc.

Installed placard "emergency battery out of date VFR flight only."

C/W AD 2009-10-04 Nose Landing Gear Inspection. Inspected par (F) (I) and Diamond MSB D4-04613. No defects noted, next due 2012 or 396.1, whichever occurs first.

C/W AD 2009-07-14 Wing Adhesive Voids. Previously c/w on WO# G01655 May 21, 2009.

Ladd J Maxson Jr.
Ladd J Maxson, Jr. For Dillon's Aviation, Inc.
AP3064381IA

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					



N Number
N892DS

Date **TACH/HOBBS**
11/1/2010 240.3

Log Entry

Complied with MSB 40-067 and WI-MSB-40-067 emergency handle pin.
Reworked pin and resealed handle and light assembly with terostat adhesive.
Filed execution report. Refer to WO#G02051 on file at Dillon's Aviation, Inc.

Ladd J Maxson, Jr.
Ladd J Maxson, Jr. For Dillon's Aviation, Inc.
AP3064381



N Number	Date	TACH/HOBBS	AFTT
N892DS	4/6/2011	262.3	262.3

AF Entry

Performed annual inspection on this aircraft in accordance with FAR 43 appendix D. Checked all controls for proper rigging and lubricated. Checked all cables for proper tension, checked all structural points, inspected all hoses, lines and wiring. Repacked all wheel bearings, checked tires, wheels and brakes for condition. Replaced RH main tire with serviceable 15X6.00-6ply Goodyear FS II PN 301-249-420. Inspected ELT in accordance with FAR 91.207(d), next due 04/2012, battery replacement date 02/2013. Emergency battery due replacement 06/2012. Performed Power Flow exhaust inspection. Replaced muffler insert kit with new PN PFS-8016. Installed aft 24V DC outlet, see 337 Form. Checked and serviced all fluid levels, lubricated controls and washed aircraft. Checked MFG SB's to date. Checked applicable AD's for compliance to date. All work performed in accordance with Diamond service manual and standard practice as listed in FAR part 43 to return this aircraft to service in airworthy condition. Refer to WO#G02140 on file at Dillon's Aviation, Inc.

C/W AD 2010-25-01 Emergency open door procedure by installation of temporary revision in AFM per par (b)(1), par (b)(2) n/a by aircraft SN.

Stacy Clontz
Stacy Clontz For Dillon's Aviation, Inc.
AP30692671A

CARRIED FORWARD

ENGINEERING RECORD

4

INSPECTION, REPAIRS & REPLACEMENT TRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER
Aircraft tested as required by FAR 91.411, I.A.W. FAR 43 appendix "E". 1. Static system: Per paragraph (a) 2. LH Altimeter: paragraph (b) to <u>35,000</u> ft. S/N <u>47808373</u> 3. RH Altimeter: paragraph (b) to <u>20,000</u> ft. S/N <u>463424</u> 4. Integrated mode "C" system per paragraph (c). Performed items # <u>1 2 3 and 4</u> W. O. # <u>13758</u> Signed <u>[Signature]</u> Date <u>4-7-11</u> Aero Avionics, Inc. Sanford, N.C. CRS # A8XR424J		
I certified that the ATC Transponder test required by FAR 91.413 have been performed found to comply with FAR 43, appendix F. # 1 Make <u>Garmin</u> Model <u>GTX 33</u> S/N <u>89105838</u> # 2 Make <u>N/A</u> Model <u>N/A</u> S/N <u>N/A</u> Date <u>4-7-11</u> W. O. # <u>13758</u> Signed <u>[Signature]</u> for Aero Avionics, Inc. Sanford, N.C. CRS # A8XR424J		
N Number N892DS Date <u>7/19/2011</u> TACH/HOBBS <u>264.6</u> Log Entry Due to collapse of hangar door on aircraft, installed new LH flap assembly PN DA4-5751-00-00PNT-CS and new RH flap assembly DA4-5752-00-00PNT-CS on wings and rigged per Diamond Aircraft Maintenance Manual. Installed new rudder PN DA4-5540-00-00-1WIP3, checked and adjusted travel and rigging. Installed new decals to match fuselage scheme. Refer to WO#G02220 on file at Dillon's Aviation, Inc. <u>[Signature]</u> Ladd J Maxson, Jr. For Dillon's Aviation, Inc. AP30643811A		

AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPL.
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD					
<i>N Number</i>	<i>Date</i>		<i>TACH/HOBBS</i>	<i>AFTT</i>	
N892DS	5/7/2012		297.9	297.9	
<i>AF Entry</i>					
Performed annual inspection on this aircraft in accordance with FAR 43 appendix D. Checked all controls for proper rigging and lubricated. Checked all cables for proper tension, checked all structural points, inspected all hoses, lines and wiring. Repacked all wheel bearings, checked tires, wheels and brakes for condition. Replaced LH and RH brake pads with PN 066-14100. Replaced electric fuel pump with repaired unit PN 5100-00-9 SN 10507B, see Dukes Aerospace, Inc. Form 8130-3 and WO #PR0802154. Inspected ELT in accordance with FAR 91.207(d), next due 05/2013, battery replacement date 02/2013. Performed Power Flow exhaust inspection, no defects noted. Replaced LH and RH wing root seal with PN 1110762. Checked and serviced all fluid levels, lubricated controls and washed aircraft. Checked applicable AD's for compliance to date. All work performed in reference to Diamond service manual and standard practice as listed in FAR part 43 to return this aircraft to service in airworthy condition. Refer to WO#G02378 on file at Dillon's Aviation, Inc. <i>Ladd J Maxson, Jr.</i> For Dillon's Aviation, Inc. AP30643811A					
<i>N Number</i>	<i>Date</i>		<i>TACH/HOBBS</i>	<i>AFTT</i>	
N892DS	5/31/2013		329.4	329.4	
<i>AF Entry</i>					
Performed annual inspection on this aircraft in accordance with FAR 43 appendix D. Checked all controls for proper rigging and lubricated. Replaced rudder cables with new PN CSKIT-07, next due AFTT 3329.4 or 05/2018. Checked all cables for proper tension, checked all structural points, inspected all hoses, lines and wiring. Repacked all wheel bearings, checked tires, wheels and brakes for condition. Replaced ELT battery with new PN 455-0012 and inspected ELT in accordance with FAR 91.207(d), next due 05/2014, battery replacement date 06/2020. Replaced ELT remote switch battery with new 28L, battery replacement date 05/2018. Replaced emergency battery with new PN D60-2560-91-00, next due 05/2015. Performed Power Flow exhaust inspection, no defects noted. Checked and serviced all fluid levels, lubricated controls and washed aircraft. Checked applicable AD's for compliance to date. All work performed in reference to Diamond service manual and standard practice as listed in FAR part 43 to return this aircraft to service in airworthy condition. Refer to WO#G02616 on file at Dillon's Aviation, Inc. <i>Stacy Glantz</i> For Dillon's Aviation, Inc. AP30692871A					
I certified that the ATC Transponder test required by FAR 91.413 have been performed and found to comply with FAR 43, appendix F. # 1 Make <u>GARMIN</u> Model <u>GTX 33</u> S/N <u>66406490</u> # 2 Make <u>Garmin</u> Model <u>GTX 33</u> S/N <u>66406490</u> Date <u>5/31/13</u> W. O. # <u>14209</u> Signed <u>[Signature]</u> for Aero Avionics, Inc. Sanford, N.C. CRS # A8XR424J					
CARRIED FORWARD					

ENGINEERING RECORD

5

INSPECTION, REPAIRS & REPLACEMENT

TRIM. OPER. A QUANTAL LINE THROUGH ANY UNLINED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

CLASSIC
REPAIR

Aircraft tested as required by FAR 91.411, 1A.W. FAR 43 appendix "E".

1. Static system: Per paragraph (a)
2. LH Altimeter: paragraph (b) to 20,000 ft. S/N 47808373
3. RH Altimeter: paragraph (b) to 20,000 ft. S/N 463124
4. Integrated mode "C" system per paragraph (c)

Performed items 2, 3, 4 W.O. # 14286
Signed *W. J. Murphy* Date 6/4/13
Aero Avionics, Inc., Sanford, FL. CRP # AXXP4241

Date 2-7-14 A/C No. 0457, O. W.O. # 14286

This maintenance inspection was performed in accordance with FAR 43 appendix D. Checked all systems for proper operation and function. Checked all systems for proper function, checked all structural items, inspected all engine, frame and wing. Replaced 5 each 32 amp fuses P/N 0010001010 for 30A and 30A V.A. Replaced all wheel bearings, checked tires, struts and landing gear operation. Replaced ELT in (14286). Replaced master battery with 0010001010, with two replacement. Replaced ELT for 0010001010, and V.A. for 0010001010. Checked and replaced. Checked applicable P/N's for structural and frame material and checked and replaced as necessary. Replaced 1

Performed German HC Service Bulletin No 1334 Part A which updated operating software for G500 to G501 13, updated all existing databases to current effectiveness. Details are on file at this location under this aircraft's maintenance history.

Signed *W. J. Murphy* Date 2/7/14
Aero Avionics, Inc., Sanford, FL. CRP # AXXP4241

W. Number	Date	TACH/HOURS	APTT
W00000	000000	0000	0000

Log Entry

Performed annual inspection on this aircraft in accordance with FAR 43 appendix D. Checked all systems for proper operation and function. Checked all systems for proper function, checked all structural items, inspected all engine, frame and wing. Replaced 5 each 32 amp fuses P/N 0010001010 for 30A and 30A V.A. Replaced all wheel bearings, checked tires, struts and landing gear operation. Replaced ELT in (14286). Replaced master battery with 0010001010, with two replacement. Replaced ELT for 0010001010, and V.A. for 0010001010. Checked and replaced. Checked applicable P/N's for structural and frame material and checked and replaced as necessary. Replaced 1

W. J. Murphy
Aero Avionics, Inc., Sanford, FL. CRP # AXXP4241

W. Number
W00000
Date 2/7/14 TACH/HOURS 0000
Log Entry
Installed overhauled fus
Form 8130-3 and W.O. #
14286, Refer to W.O. #
W. J. Murphy
Aero Avionics, Inc., Sanford, FL. CRP # AXXP4241

1. Approving Civil Aviation

Authority/Country:

FAA / UNITED STATES

2.

Authorized Release

FAA Form 8130-3, AIRWORTHINESS

4. Organization Name and Address:

C JAVATION, INC. 12215 SW 131 AVE MIAMI, FL 33186 YPQR715L

5. Item: 7. Description:

8. Part Number:

1

FUEL PUMP

0100-00-9

12. REMARKS: Maintenance Release. The aircraft, airframe, aircraft inspected in accordance with current regulations of the Federal Aviation Act specified in block 11/12 was carried out in accordance with EASA Part-145 to service under EASA Part-145 Approval Number: EASA.145.5330. Detail

Manual No. C2512-01

Revision No. 8

AD Detail: NONE

SB Detail: IVA

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					

Aircraft tested as required by FAR 91.411, I.A.W. FAR 43 appendix "E".

1. Static system: Per paragraph (a)
2. LH Altimeter: paragraph (b) to 20,000 ft. S/N 47808373
3. RH Altimeter: paragraph (b) to 20,000 ft. S/N 463424
4. Integrated mode "C" system per paragraph (c).

Performed items # 1, 2, 3 & 4 W. O. # 14803
 Signed Michael D. Rawls Date 5-29-15
 Aero Avionics, Inc. Sanford, N.C. CRS # A8XR424J

I certified that the ATC Transponder test required by FAR 91.413 have been performed and found to comply with FAR 43, appendix F.

1 Make Garmin Model GTX 33 S/N 89105838
 # 2 Make Garmin Model GTX 33 S/N 89105838
 Date 5-29-15 W. O. # 14803
 Signed Michael D. Rawls for
 Aero Avionics, Inc. Sanford, N.C. CRS # A8XR424J

N Number	Date	TACH/HOBBS	AFTT
N892DS	6/1/2015	380.4	380.4

AF Entry

Performed annual inspection on this aircraft in accordance with FAR 43 appendix D. Checked all controls for proper rigging and lubricated. Checked all cables for proper tension, checked all structural points, inspected all hoses, lines and wiring. Repacked all wheel bearings, checked tires, wheels and brakes for condition. Inspected ELT in accordance with FAR 91.207(d), next due 06/2016, battery replacement date 06/2020. Replaced emergency backup battery with new PN D60-2560-91-00, next due 06/2017. Performed Power Flow Exhaust ICA. Checked and serviced all fluid levels, lubricated controls and washed aircraft. Checked applicable AD's for compliance to date. All work performed in reference to Diamond service manual and standard practice as listed in FAR part 43 to return this aircraft to service in airworthy condition. Refer to WO#G03085 on file at Dillon's Aviation, Inc.

AD 2009-10-04 Nose landing gear inspection not applicable due to PN installed on this aircraft not listed in this AD.

AD 2014-13-08 Aft spar center not due until AFTT: 2000.0 or June 2023 whichever occurs first.

Garmin ICA 3.2 Amp fuse replacement due 05/2016.

Ernest D. Rawls
 Ernest D. Rawls For Dillon's Aviation, Inc.
 AP238764345IA

CARRIED FORWARD

ENGINEERING RECORD

6

INSPECTION, REPAIRS & REPLACEMENT				SIGNATURE	LICENCE NUMBER
ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.					
N Number	Date	TACH/HOBBS	AFTT		
N892DS	6/17/2016	397.5	397.5		
AF Entry					
Performed annual inspection on this aircraft in accordance with FAR 43 appendix D. Checked all controls for proper rigging and lubricated. Checked all cables for proper tension, checked all structural points, inspected all hoses, lines and wiring. Repacked all wheel bearings, checked tires, wheels and brakes for condition. Inspected ELT in accordance with FAR 91.207(d), next due 06/2017, battery replacement date 06/2020. Performed Power Flow exhaust system inspection per ICA. Replaced 5 each 3.2 amp fuses for G1000 per Garmin ICA. Checked and serviced all fluid levels, lubricated controls and washed aircraft. Checked applicable AD's for compliance to date. All work performed in reference with Diamond service manual and standard practice as listed in FAR part 43 to return this aircraft to service in airworthy condition. Refer to WO#G03359 on file at Dillon's Aviation, Inc. ELT remote switch battery due replacement 05/2018. Emergency back-up battery due replacement 06/2017. Garmin ICA fuse replacement due 06/2018. AMSafe EMU due replacement 05/2021. AMSafe LH & RH cartridges due replacement 06/01/2017. AD 93-05-06 ACS ignition switch due AFTT: 2000.0. AD 2014-13-08 Aft spar center not due until AFTT: 2000.0 or 06/2023 whichever occurs first. <i>Ernest D. Rawls</i> Ernest D. Rawls For Dillon's Aviation, Inc. AP238764345IA					
N892DS	7/20/2017	420.8	420.8		
AF Entry					
Performed annual inspection on this aircraft in accordance with FAR 43 appendix D. Checked all controls for proper rigging and lubricated. Checked all cables for proper tension, checked all structural points, inspected all hoses, lines and wiring. Repacked all wheel bearings, checked tires, wheels and brakes for condition. Inspected ELT in accordance with FAR 91.207(d), next due 07/2018, battery replacement date 06/2020. Performed Power Flow exhaust system inspection per ICA, no defects noted. Replaced emergency backup battery with new PN D60-2560-91-00, next due 07/2019. Checked and serviced all fluid levels, lubricated controls and washed aircraft. Checked applicable AD's for compliance to date. All work performed in reference to Diamond service manual and standard practice as listed in FAR part 43 to return this aircraft to service in airworthy condition. Refer to WO#G03641 on file at Dillon's Aviation, Inc. ELT remote switch battery due replacement 05/2021 per ELT manufacturer's maintenance manual. Emergency back-up battery due replacement 07/2019. Garmin ICA fuse replacement due 06/2018. AMSafe EMU due replacement 05/2021. AMSafe LH & RH cartridges replacement due date extended to 06/2019 per AMSafe SB50792-401-25-01. AD 93-05-06 ACS ignition switch due AFTT: 2000.0. AD 2014-13-08 Aft spar center not due until AFTT: 2000.0 or 06/2023 whichever occurs first. <i>Ernest D. Rawls</i> Ernest D. Rawls For Dillon's Aviation, Inc. AP238764345IA					

ENGINEERING RECORD

7

INSPECTION, REPAIRS & REPLACEMENT

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

SIGNATURE

LICENCE
NUMBER

DATE: 09 March 2020 AIRFRAME: N892DS S/N: 40.892



Conducted ADS-B Upgrade

- Removed Garmin GTX 33 - P/N: 011-0079-10 & S/N: 89105838.
- Installed Garmin GTX 345R - P/N: 011-03303-40 & S/N: 3EH422049.
- Installation conducted in accordance with Garmin STC SA01714WI, Master Data List 005-00734-04, revision 1, dated May 1, 2013 or later FAA Approved.
- Weight & Balance was unchanged & Electrical Load was unchanged.
- Provided FAA Approved AFMS 190-00734-15, revision 2, dated March 08, 2016, to the Owner.
- Provided FAA Approved ICA 190-00734-11, revision 5, dated October 18, 2016, to the Owner.
- CFR 91.413 Correlation accomplished on a separate log entry
- Post Operational checks ok.

"The installed ADS-B OUT system has been shown to meet the requirements of 14 CFR § 91.227."
This aircraft is returned to service for the maintenance that was performed.

Isaac D. White

A&P 3067784 IA

Total Flight Solutions

450 Airport Road, Louisburg, NC 27549. Tel: 919-497-5511 Ext-2

Date: 08/17/2021

Reg: N892DS

Tach: 603.6

Airframe: Serial # 40.892 Total Time 603.6

I certify that an **annual inspection** has been completed on this airframe in accordance with current FAA regulations and Piper Diamond DA40-180 maintenance manual. Inspected airframe for condition, inspected and lubed flight controls, inspected and serviced hydraulic brake system. Replaced right outer brake lining with new RA66-106 lining, Inspected the landing gear and tires. Replaced Nose gear tire for age cracking with new Airhawk 500-5 6 ply tire. Removed wheels and cleaned wheel bearings and repacked with grease, reinstalled wheels. Inspected and tested ELT in accordance with FAR91207 (d) no fault found. ELT Battery replacement due by end of **07/2022**. AD's. Researched Complied through Biweekly Issue 2021-16/17. No airframe AD,s due at this time. Removed left and right safety belt harnesses with new Diamond aircraft 5-01-1C701 and 5-01-1C700 3 point harnesses. Operations check found satisfactory airframe returned to service

Donald Berry

2685138 IA

DATE: AUGUST 9, 2022 | DIAMOND DA40 | S/N: 40.892 | REG: N892DS
TACH: 487.1 HRS. TTAF: 487.1 HRS.

ANNUAL INSPECTION COMPLETED THIS DATE IN ACCORDANCE WITH DIAMOND AIRCRAFT DA40 AMM AND INSPECTION CHECKLIST.

CHECKED AD'S THROUGH 2022-16.

- **COMPLIED WITH AD 09-10-04** NLG LEG, IAW MSB40-046/3, DATED NOVEMBER 17, 2008. NO DEFECTS NOTED, NEXT DUE @ TACH: 687.1 OR 8/2023.
- **COMPLIED WITH AD 14-13-08** CENTER WING AFT MAIN SPAR STRUCTURAL INTEGRITY, IAW WI-MSB40-094 DATED MAY 10, 2013.
- **COMPLIED WITH AD 15-19-07**, EXTERNAL FUEL INJECTOR LINES, IAW LYCOMING ENGINES MANDATORY SERVICE BULLETIN NO. 342G, DATED JULY 16, 2013, NO DEFECTS NOTED, **NEXT DUE** AFTER ANY MAINTENANCE IS DONE WHERE ANY CLAMP ON A FUEL INJECTOR FUEL LINE WAS DISCONNECTED, MOVED, OR LOOSENED AND WITHIN EVERY 110 HOURS TIS AND AFTER EACH ENGINE OVERHAUL. NO FAULTS NOTED. NEXT DUE AT 597.1 HOURS TACH.

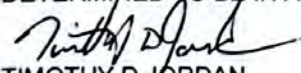
MSB 40-091 DIAMOND AIRCRAFT MANDATORY SERVICE BULLETIN, NLG DYE PENETRANT INSPECTION COMPLIED WITH BY FOLLOWING DIAMOND AIRCRAFT WORK INSTRUCTION WI-MSB 40-091 REV. 0, DATED JANUARY 18, 2021. NO FAULTS NOTED. **NEXT DUE AT 687.1 OR 8/2023 HOURS TACH.**

MSB 40-074 DIAMOND AIRCRAFT MANDATORY SERVICE BULLETIN, REINFORCEMENT OF AFT MAIN SPAR COMPLIED WITH BY FOLLOWING DIAMOND AIRCRAFT WORK INSTRUCTION WI-MSB 40-074 REV. 0, DATED MAY 10, 2013.

REPLACED ELT BATTERIES USING, NEW BATTERIES P/N:452-6499 **EXP: NOVEMBER 2028**
ELT TESTED IN ACCORDANCE WITH CFR 91.207(D).

- REPLACED PILOTS SIDE WINDOW LATCH.
- REPAIRED CANOPY SEAL.
- PERFORMED ICA FOR POWER FLOW EXHAUST.
- INSPECTED AND REPACKED WHEEL BEARINGS.
- REPLACED ALTERNATOR SCAT HOSE.
- REPLACED ELT TRIGGER SWITCH BATTERY.
- REPLACED EMERGENCY BACK UP BATTERY.
- REPLACED FIRE EXTINGUISHER.
- TOUCHED UP PAINT.

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


TIMOTHY D JORDAN

ACR ELECTRONICS, Inc.
Artex Products - CAGE Code 18560
Fort Lauderdale, FL 33312
LOG BOOK ENTRY 8/9/22
E.L.T. BATTERY
REPLACEMENT DATE 11/2028

A&P/IA 3264477

FAR 91.413			
THE ATC TRANSPONDERS AND INSPECTIONS AS REQUIRED BY FAR 91.413 WERE PERFORMED THIS DATE AND FOUND TO COMPLY WITH PART 43 APPENDIX F AND APPENDIX E PARAGRAPH C.			
TRANSPONDER #1	MAKE: Garmin	MODEL: GTX345R	S/N: 3FH422048
TRANSPONDER #2	MAKE:	MODEL:	S/N:
DATE: 8-28-2022	WO: 11462	INSPECTOR: Richard Ellington	
CAROLINA AVIONICS GROUP, LLC N892DS FAA APPROVED REPAIR STATION # QCCR-389K			



DATE: SEPTEMBER 1, 2023 | DIAMOND DA40 | S/N: 40.892 | REG: N892DS
TACH: 500.5 HRS. TTAF: 500.5 HRS.

ANNUAL INSPECTION COMPLETED THIS DATE IN ACCORDANCE WITH DIAMO CHECKLIST.

CHECKED AD'S THROUGH BI-WEEKLY 2023-18, NO AD'S DUE AT THIS TIME.

ELT TESTED IN ACCORDANCE WITH FAR 91.207(d), BATTERY EXP: **APRIL 2024**

MSB40-091 NLG, DYE PENETRANT INSPECTION COMPLIED WITH USING WI-NO DEFECTS NOTED. **NEXT DUE AT TACH: 600.5**

MSB40-033, EXHAUST SYSTEM, COMPLIED WITH BY VISUAL INSPECTION, N **550.5**

- COMPLIED WITH POWER FLOW EXHAUST **ICA**.
- REPLACED PILOTS ARMREST.
- REPLACED TRIM ON COPILOTS SIDE PANEL.
- REPLACED T-SEALS.
- TOUCHED UP FIRE PAINT ON COWLINGS.
- REPLACED NOSE GEAR FORK BUSHINGS.
- CLEANED, TREATED, AND REINSTALLED INDUCTION AIR FILTER.
- INSPECTED AND REPACKED WHEEL BEARINGS.
- REPLACED MISSING WASHERS ON EXHAUST.
- REPLACED EMERGENCY BATTERIES.
- REPLACED NOSE WHEEL FORK BUSHINGS.
- REPLACED EXHAUST NUTS.
- REPAIRED NLG WHEEL PANTS.
- REPLACED PASSENGER READING LIGHT.

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

Timothy D Jordan
TIMOTHY D JORDAN

A&P/IA 3264477

FAR 91.413			
THE ATC TRANSPONDERS AND INSPECTIONS AS REQUIRED BY FAR 91.413 WERE PERFORMED THIS DATE AND FOUND TO COMPLY WITH PART 43 APPENDIX F AND APPENDIX E PARAGRAPH C.			
TRANSPONDER #1	MAKE: <i>Garmin</i>	MODEL: <i>GTX345R</i>	S/N: <i>3EH422049</i>
TRANSPONDER #2	MAKE:	MODEL:	S/N:
DATE: <i>9-3-2024</i>	WO: <i>11987</i>	INSPECTOR: <i>Richard Ellington</i>	
N892DS CAROLINA AVIONICS GROUP, LLC FAA APPROVED REPAIR STATION # QCCR-389K			

FAR 91.411			
ALTIMETERS, ALTITUDE REPORTING EQUIPMENT AND STATIC PRESSURE SYSTEM HAVE BEEN CHECKED AND MEET ALL SPECIFICATIONS OF APPENDIX E OF PART 43			
ALTIMETER CERTIFIED TO			
LEFT	FEET	RIGHT	FEET
	<i>20,000</i>		<i>20,000</i>
S/N:	<i>47808373</i>	S/N:	<i>462424</i>
DATE: <i>9-3-2024</i>	WO: <i>11987</i>	INSPECTOR: <i>Richard Ellington</i>	
N892DS CAROLINA AVIONICS GROUP, LLC FAA APPROVED REPAIR STATION # QCCR-389K			

N892DS

CAROLINA AVIONICS GROUP, LLC

FAA Approved repair station QCCR389K

Altitude Scale Error Correction Card

TEST PT (PT)	Indicator Reading at +250	TEST	Indicator Reading at +250
-1,000	<i>-1000</i>	30,000	
0	<i>0</i>	35,000	
500	<i>500</i>	40,000	
1,000	<i>1000</i>	45,000	
1,500	<i>1500</i>	50,000	
2,000	<i>2000</i>	55,000	
3,000	<i>3000</i>	60,000	
4,000	<i>4000</i>	70,000	
6,000	<i>6000</i>	80,000	
8,000	<i>7990</i>		
10,000	<i>9980</i>		
12,000	<i>11980</i>		
14,000	<i>13980</i>		
16,000	<i>15980</i>		
18,000	<i>17980</i>		
20,000	<i>19980</i>		
22,000			
25,000			

Altitude Position
Pilot ☒
Copilot ☐

ALT. S/N *47808373*
DATE *9-3-24*

DOC# EOC123

DATE: OCTOBER 21, 2025 | DIAMOND DA40 | S/N: 40.892 | REG: N892DS
TACH: 516.9 HRS. TTAF: 516.9 HRS.

ANNUAL/2000 HOUR/ MSI INSPECTION COMPLETED THIS DATE IN ACCORDANCE WITH DIAMOND AIRCRAFT DA40 AMM AND INSPECTION CHECKLIST.

CHECKED AD'S THROUGH BI-WEEKLY 2025-21

ELT TESTED IN ACCORDANCE WITH FAR 91.207(d), BATTERY EXP: **NOV. 2028**

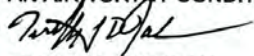
AD 09-10-04, NLG LEG PIVOT AXLE, COMPLIED WITH IAW MANDATORY SERVICE BULLETIN NO. MSB40-046/3 DATED NOVEMBER 17, 2008. NO DEFECTS NOTED. **NEXT DUE 626.9 OR 10/2026.**

MSB40-091 NLG, DYE PENETRANT INSPECTION COMPLIED WITH USING WI-MSB 40-091 REV. 0 DATED 18 JANUARY 2021, NO DEFECTS NOTED. **NEXT DUE AT TACH: 626.9**

MSB40-033, EXHAUST SYSTEM, COMPLIED WITH BY VISUAL INSPECTION, NO DEFECTS NOTED. **NEXT DUE AT TACH: 566.9**

- REPLACED GASCOLATOR FILTER, P/N 05-00707.
- REPLACED RUBBER GROMMET ON RUDDER HINGE.
- REPLACED 5 G1000 SLOW BLOW FUSES IAW 2 YEAR REPLACEMENT SCHEDULE, P/N 313 03.2.
- COMPLIED WITH POWER FLOW EXHAUST ICA.
- COMPLIED WITH FLAP/AILERON 5 YEAR BOROSCOPE INSPECTION, NO DEFECTS NOTED.
- COMPLIED WITH 12 YEAR OIL COOLER PRESSURE TEST, NO DEFECTS NOTED.
- COMPLIED WITH 8 YEAR FUEL TANK INTERCONNECTING AND VENT HOSE REPLACEMENT.
- COMPLIED WITH 3 YEAR BRAKE FLUID REPLACEMENT.
- CLEANED, TREATED, AND REINSTALLED INDUCTION AIR FILTER.
- INSPECTED AND REPACKED WHEEL BEARINGS.
- REPLACED LEFT AND RIGHT BRAKE LININGS.
- REPLACED OIL DIP STICK TUBE GASKET.

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


TIMOTHY D JORDAN

A&P/IA 3264477