

AIRCRAFT

- | | |
|---|---------|
| 1. Nationality and Registration: | N175DA |
| 2. Manufacturer's Designation: | DA 40 |
| 3. Manufacturer's Serial Number: | 40.1101 |
| 4. Type Approval or Specification Number: | A-224 |
| 5. Date of Manufacture: | 2011 |
| 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
	HRS.	MIN.	HRS.	MIN.	



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

Registration: C-GSTZ
AC Serial Number: 40.1101
Engine Serial Number: L-35236-51E
Prop Serial Number: CH45669B
Airframe Total Time: 4.0 hrs

- Total Time Airframe Brought forward from Flight Test Journey Log (DAI - Form Q-157) :4.0 hrs

- Compass Swing Performed:

- Date: Sept 27.2010
- Next Due: Sept.2011

FOR	N	30	60	E	120	150
STEER	360	029	058	089	120	151
FOR	S	210	240	W	300	330
STEER	181	209	240	270	300	330

- Static Pressure system and Primary Altimeter (G1000) have been inspected and tested in accordance with CAR Standard 571, Appendix B and 14 CFR 91.411:
 - Test Date: Sept 16.2010
 - Next Due: Sept.2012

- Stand By Altimeter:
 - Factory Test Date: Aug 11.2010
 - Next Due: Aug.2012

- ATC Transponder & Altitude Reporting System(s) have been tested in Accordance with CAR Standard 571, Appendix F and 14 CFR 91.217: & 91.413:
 - Test Date: Sept 16.2010
 - Next Due: Sept 2012
 - Programmed Reg: C-GSTZ
 - Hex Code: C07638

- The ELT was tested and inspected in Accordance with CAR Standard 571, Appendix G and 14 CFR 91.207(d) :
 - Manufacturers Cert. date: 33/10
 - Installation Inspected: Sept 28.2010
 - Battery due: Oct 2016
 - Next ELT inspection due: Sept.2011
 - ELT remote switch cell:
 - Due Date: May 2015
 - ELT Programmed:
 - REG: C-GSTZ
 - Beacon ID: A78DF01D8E00261

- Emergency Battery Pack : Replacement Due Date : Aug.2012

- G1000 Installation:
 - Software Version :010-0321-22
 - Obstacle data base expiry date: Nov 18.2010
 - Aviation data base expiry date: Oct 21.2010
 - Flight Charts data base expiry date: Oct 21.2010
 - GTX 33 Software Version: 6.00

DA
Q 20

Inspector

SEP 30 2010

date

(continued next page)

					CARRIED FORWARD



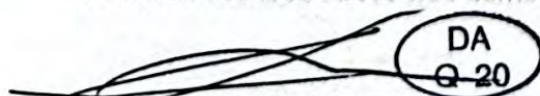
DIAMOND AIRCRAFT INDUSTRIES INC.
D.O.T. APPROVED MANUFACTURER #161-93

Registration: C-GSTZ
AC Serial Number: 40.1101
Engine Serial Number: L-35236-51E
Prop Serial Number: CH45669B
Airframe Total Time: 4.0 hrs

- Following limitations as per DA40 AMM Chapter 4 (subject to change with revision):

Component	Hours	Years	Next Due:
Essential Bus	1000	-NA-	1000 hrs
Pitot-Static System	1000	2	1000 or Sept 2012
Bonding System	1000	-NA-	1000 hrs
Emergency Battery	-NA-	2	Aug 2012
Rudder Cables	3000	5	3000 hrs or Sept 2015
Fuel hoses (aft of firewall)	2000	12	2000 hrs or Sept 2022
Fuel hoses (fwd of firewall)	2000	12	2000 hrs or Sept 2022
Oil hoses	2000	12	2000 hrs or Sept 2022

- The following STC's are incorporated:
 - SA02476CH-D – Hartzell: HC-C2YR-1N/N7605 installation
 - SA01254WI Amend. 1- G1000 : Garmin installation
 - SA01389WI – GFC 700: Garmin installation
 - SA01444WI-D – G1000 / GFC 700: Garmin up grade and WAAS
 - SA01480WI-D – SVT: Garmin SVT up grade
 - SA03281AT - POWER FLOW EXHAUST: installation
 - SA01918LA - AMSAFE RESTRAINTS: installation
- THIS AIRCRAFT WAS INSPECTED FOR CONFORMITY TO APPLICABLE COMPANY RELEASED DOCUMENTS (DRAWINGS, SPECIFICATIONS, CONCESSIONS).
- I HEREBY CERTIFY THAT THIS AIRCRAFT CONFORMS TO TYPE CERTIFICATE: A-224 issue 7 (Canada), AND IS IN A FIT AND SAFE STATE FOR FLIGHT.
- Bi-weekly AWD check carried out to current revision 2010-21, all applicable AD's complied with
- The work described above was carried out IAW the applicable Standard of Airworthiness.


Inspector

SEP 30 2010

date

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ENGINEERING RECORD

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

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD			4.0		
10/12/10	1	2			
Dec 8	1	2			
✓ 9	1	5			
Jan 10	1	6			
✓ 14		4			
✓ 30		6			
Feb 23	1	3			
Mar 16		6			
✓ 19		8			
✓ 25		8			
✓ 26	1	3			
✓ 30	1	2			
Apr 1	1	1			
✓ 42	1	0			
✓ 43	1	0			
✓ 7	1	0			
✓ 8	1	1	22	4	
✓ 19	1	0	23	4	
APR 12 2011	2		23	4	25/4our Inspection Carried On changed, Oil Samples Taken, Oil Oil Pump Suction screen Inspected With LYCSB 480E, CH48110-1 W15W50 Added, Ground Run
Apr 13	2	7			
✓ 14	1	0			
✓ 22		5			
May 4		8			
✓ 7	1	3			
✓ 31	1	6			
JUNE 2	1	1			
✓ 3	1	1			
✓ 5		9			
✓ 7		8	35	0	CARRIED FORWARD

2

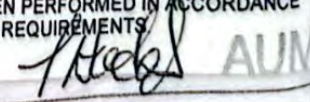
and filter
engine and
According
to Ball's Aeroshell
last checked OK

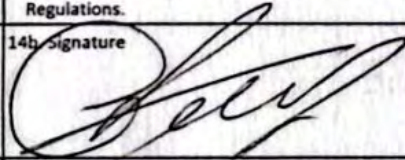
ENGINEERING RECORD

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			35	0	
JUNE 8		4			
✓ 9		6			
✓ 10		4			
✓ 11		6			
✓ 12		9	37	9	
JUN 21 2011			37	9	Date: June 21, 2011 Registration: C-GSTZ Type: Diamond DA40XLS S/N: 40-1101 TTSN: 37.9hrs Excessive mag drop reported on both mags - ground run, LH mag 230rpm drop, RH mag 170rpm drop. Checked mag timing - LH mag points opening erratically. Plugs removed, cleaned, gapped and reinstalled. Removed LH mag s/n 10030617, replaced with new mag s/n 10050251, timed both mags to 25° BTC as per engine data plate. Ground run - mags checked 130rpm drop. Mixture checked 40-50rpm rise, mags leak checked OK after ground run. Oil door Dsus fastener receptacle loose - resecured THE DESCRIBED MAINTENANCE HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE AIRWORTHINESS REQUIREMENTS. <i>[Signature]</i> AUM 1
JUNE 26	1	2			
✓ 27	1	2	40	3	
✓ 30		8			
JULY 01		8	41	9	
✓ 02	1	1			
✓ 07	1	4			
✓ 08	1	4			
✓ 09		8			
✓ 10		3			
✓ 15		7			
✓ 16	1	3			
✓ 19		4	49	5	
JUL 20 2011			49	5	Date: July 20, 2011 Registration: C-GSTZ Type: Diamond DA40 S/N: 40-1101 TTSN: 49.5hrs Removed aircraft with flat LH main tire from taxiway. Jacked aircraft, removed LH main wheel, replaced inner tube p/n 302-246-401 installed, wheel reinstalled, tire pressure adjusted to MM specs. Checked/adjusted all tire pressures THE DESCRIBED MAINTENANCE HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE AIRWORTHINESS REQUIREMENTS. <i>[Signature]</i> AUM 1
JUL 20 2011			49	5	Date: July 20, 2011 Registration: C-GSTZ Type: Diamond DA40 S/N: 40-1101 TTSN: 49.5hrs Changed oil & filter, took oil samples, inspected oil filter & suction screen in accordance with LYC SB480E - no contaminants found. Installed CH48110-1 filter, added Aeroshell W15W50 oil. A 50 hour inspection was carried out in accordance with the MM THE DESCRIBED MAINTENANCE HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE AIRWORTHINESS REQUIREMENTS. <i>[Signature]</i> AUM 1
			49	5	CARRIED FORWARD

ENGINEERING RECORD

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			49	5	
NOV 16 2011			71	8	
					Date: November 16, 2011 Registration: C-GSTZ Type: Diamond DA40XLS S/N: 40-1101 TTAF: 71.8hrs Garmin Hobbs A 100hr/Annual inspection and servicing has been performed in accordance with CAR 625.86 Appendix B & C using the manufacturer's maintenance manual as a guide Compass swing completed, new deviation card installed ELT ME406 s/n 197-05559 removed, sent to Hitech Avionics PO#08439, reinstalled & tested with remote cockpit switch Fire extinguisher inspected, Amerex A620 s/n ZR-934017 weight 2lb 2.8oz min 2lbs pressure green - serviceable at this time First aid kit inspection completed, like a "Type A" kit - serviceable at this time Battery removed, top charged, capacity tested "FAIL" 25min, reconditioned, charged & reinstalled ADCF90-03R2 Exhaust type cabin heater inspection completed - no faults found Amsafe seatbelt ICA - completed, no faults found AD2011-15-10 Avstar (MSB) AFS-SB6 - N/A, no record of repairs after May 21, 2010 Ontic Engineering prop governor SB DES-353 rev A - N/A see SB EASA AD2010-0235R1 Passenger door retaining bracket - N/A see SB40-070 AD2011-21-10 Vapour cycle system - N/A, not installed Tire pressures serviced Inspection findings/Snags/Rectifications: RH wheel pant loose - resecured wheel pant with Loctite on bolts, check tightened LH wheel pant Aft passenger light assembly not seated, edge sealant a mess - resealed & installed edge sealant as required THE DESCRIBED MAINTENANCE HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE AIRWORTHINESS REQUIREMENTS. Date: November 16, 2011 Registration: C-GSTZ Type: Diamond DA40XLS S/N: 40-1101 TTAF: 71.8hrs Garmin Hobbs A 100hr/Annual inspection and servicing has been performed in accordance with CAR 625.86 Appendix B & C using the manufacturer's maintenance manual as a guide AD2008-14-07 LYC SB342F fuel injection lines & clamping - completed, no faults found at this time Inspection findings/Snags/Rectifications: Cyl #2 & #4 oil return rubber lines slightly wet - check tightened clamps Cyl #1 oil return line "B" nut oil gungy - cleaned & check tightened Oil filler neck loose - resecured oil filler neck Oil cooler has a small amount of dirt packed into the fins - cleaned cooler Lower cowl is dirty inside - cleaned cowl LH mag firing @ approx 27BTC - adjusted LH mag to 25BTC per engine data plate THE DESCRIBED MAINTENANCE HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE AIRWORTHINESS REQUIREMENTS.
					Date: November 16, 2011 Registration: C-GSTZ Type: Diamond DA40XLS S/N: 40-1101 TTAF: 71.8hrs Garmin Hobbs A 100hr/Annual inspection and servicing has been performed in accordance with CAR 625.86 Appendix B & C using the manufacturer's maintenance manual as a guide Prop lubed with Aeroshell #6 Inspection findings/Snags/Rectifications: Inside of the spinner is dirty - cleaned spinner THE DESCRIBED MAINTENANCE HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE AIRWORTHINESS REQUIREMENTS.
			71	8	CARRIED FORWARD



1. Approving national authority/country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form tracking No. 11515	
4. Approved organization name and address HiTech Avionics & Instruments, 2833 16th Avenue, Markham Ontario Canada L3R 0P8					5. Work order/contract/invoice 11515	
6. Item 1	7. Description ME-406	8. Part No. 453-6603	9. Qty. 1	10. Serial/Batch No. 197-05559	11. Status/work INSPECTED PERFORMANCE TESTED	
12. Remarks ELT Certified to AWM 571, Appendix "G" Battery Due: OCT. 2016 Next Test Due: NOV.15,2012						
13a. Certifies that the items identified above were manufactured in conformity to: ☐ Approved design data and are in condition for safe operation. ☐ Non approved design data specified in block 12.			14a. ☒ CAR 571.10 Maintenance release ☐ Other regulations specified in block 12. Certifies that unless otherwise specified in block 12, the work identified in block 11, and described in block 12 has been performed in compliance with the Canadian Aviation Regulations.			
13b. Signature N/A		13c. Approved Organization Number N/A		14b. Signature 		14c. Approved Organization Number AMO # 8-79
13d. Name N/A		13e. Date (dd/mmm/yyyy) N/A		14d. Name George Papachristos		14e. Date (dd/mmm/yyyy) NOV.15,2011

(Previously form 24-0078)

Important: See notes on reverse side

Installer Responsibilities

This certificate does not constitute authority to install.

Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.

AIR TIME AND ENGINE

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			71	8	
Nov 23		11			
✓ 26		16			
Dec 01		8			
✓ 12		10			
✓ 20		4			
Feb 01		8			
✓ 02		10			
✓ 7		17			
✓ 8		10	81	2	

FEB 14 2012

Date: February 14, 2012
 Registration: C-GSTZ
 Type: Diamond DA40XLS
 S/N: 40-1101
 TTAF: 81.2hrs



Owner requested to have wheel pants inspected for damage - found damaged. Sent wheel pants to Venture Aviation for repair W/O# 17750/08581, reapplied decals on nose & RH wheel pants, reinstalled wheel pants.
 Serviced tire pressures

THE DESCRIBED MAINTENANCE HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE AIRWORTHINESS REQUIREMENTS.

[Signature] AUM 1

Feb 19 18
 ✓ 20 17
 ✓ 23 4
 Mar 10 13
 ✓ 14 12
 ✓ 16 19

MAR 21 2012

86 9

Date: March 21, 2012
 Registration: C-GSTZ
 Type: Diamond DA40XLS
 S/N: 40.1101
 TTAF: 86.9hrs Garmin Hobbs



RH main tire flat - replaced tube & main tire s/n 72890049 off, p/n 15X600-6 s/n 13227658 installed.
 Adjusted all tire pressures

THE DESCRIBED MAINTENANCE HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE AIRWORTHINESS REQUIREMENTS.

[Signature] AUM 1

CARRIED FORWARD

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELI Form	
4. Organizations Name and Address: Venture Aviation Inc 6600 Davand Drive Mississauga, ON L5T 2M3			
6. Item:	7. Description:	8. Part Number:	
1.	Main R/H wheel fairing	041-3213-92-00	
2.	Nose wheel fairing L/H half	041-3223-91-00	
3.	Nose wheel fairing R/H half	041-3223-92-00	
12. Remarks: Qty 3 wheel fairings repaired IAW Diamond Aircraft			
13a. Certifies that the items identified above were manufactured in conformity to: ☐ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 12.			
13b. Signature N/A		13c. Approval Organization Number N/A	
13d. Name N/A		13e. Date (dd/mm/yyyy): N/A	
30 Dec 2008(Previously form 24-0078)			

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			86	9	Buttonville Airport, Markham, ON buttonville@fieldav.com 416-802-5235 FIELD AVIATION Aircraft: C-GSTZ Work order: B66171 Carried out 24 month altimeter, transponder & static system recertification to 20,000 ft IAW CAR Std 571, Appendix B & F. Static system leak test meets minimum requirements. Altimeter ADC P/N 011-00882-00 S/N 47808684 Altimeter Standby P/N 5934PD-3 S/N 463407 Transponder P/N 011-00779-10 S/N 89120384 THE DESCRIBED MAINTENANCE HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE AIRWORTHINESS REQUIREMENTS. FAEL COMPANY APPROVAL No. 13-74 DATE: 14 January 2013 SIGN:
Jan 14-13			80	118	
JAN 25 2013	31	6	118	5	

Date: January 25, 2013
 Registration: C-GSTZ
 Type: Diamond DA40XLS
 S/N: 40.1101
 TTAF: 118.5hrs



A 100hr/Annual inspection and servicing has been performed in accordance with CAR 625.86 Appendix B & C using the manufacturer's maintenance manual as a guide.
 A compass swing was performed, new deviation card installed.
 ELT removed, sent to Hitech Avionics for recert ref WO# 13013, reinstalled & tested with remote cockpit switch.
 ELT battery due Oct 2016.
 First aid kit inspection completed, like a "Type A" kit, serviceable at this time.
 Fire extinguisher inspected & reweighed, serviceable at this time.
 RG24-15M battery removed, top charged, capacity tested "FAIL", new battery s/n 40518695 installed & changed & installed.
 Emergency gyro battery replaced, p/n D41-2560-93-00 s/n 12-288-18 installed.
 Winter baffles were installed.
 Amsafe seatbelt ICA & test - completed, no faults found at this time.
 IFR recert completed by Field Aviation ref WO#B66171
 AD2009-0016 MSB40-46 Nose gear leg inspection - completed, no faults found at this time.

Inspection findings/snags/rectifications:

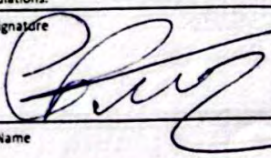
Standby compass oscillates back and forth during compass swing - compass found dry, new compass p/n PG2C-28V installed, compass swing performed, new deviation card installed.

ELT Model:	ME-406	Standby Compass Swing						
S/N:	197-05559	For	N	30	60	E	120	150
ELT operation test has been checked in accordance with CAR571, Appendix G (d)		Steer	359	28	59	90	120	150
Battery expiry date:	October, 2016	For	S	210	240	W	300	330
ELT cert. Expiry date:	January 15, 2014	Steer	180	209	238	269	299	329

THE DESCRIBED MAINTENANCE HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE AIRWORTHINESS REQUIREMENTS.

AUM 1

118 | 5

1. National authority/country Port Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form tracking No. 13013	
4. Organization name and address HiTech Avionics & Instruments, 2833 16th Avenue, Markham Ontario Canada L3R 0P8					5. Work order/contract/invoice 13013	
6. Part No. ME-406		8. Part No. 453-6603		9. Qty. 1	10. Serial/Batch No. 197-05559	11. Status/work INSPECTED PERFORMANCE TESTED
ELT Certified to AWM 571, Appendix "G" Battery Due: OCT. 2016 Next Test Due: JAN 15, 2014						
14a. ☒ CAR 571.10 Maintenance release ☐ Other regulations specified in block 12. Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12 has been performed in compliance with the Canadian Aviation Regulations.						
Signature N/A		13c. Approved Organization Number N/A		14b. Signature 		14c. Approved Organization Number AMO # 8-79
Name N/A		13e. Date (dd/mm/yyyy) N/A		14d. Name George Papachristos		14e. Date (dd/mm/yyyy) JAN 15, 2013

(Previously form 24-0078)

Important: See notes on reverse side

Installer Responsibilities

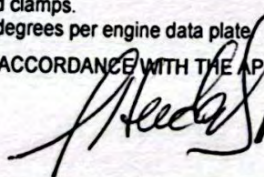
This certificate does not constitute authority to install.

AD 2012-19-01 LYC SB569A Crankshaft - N/A by engine model & s/n.
AD 2012-03-06 Superior Airparts Avstar fuel systems - N/A PCW AD 2011-15-10

Inspection findings/snags/rectifications:

Found cyl #3 exhaust riser seized into collector - lubed, freed, cleaned & re-lubed, reinstalled.
Bottom of rocker covers oil wet - check tightened all rocker cover screws.
Cyl #3 oil return line rubber hose coupling oil wet - check tightened clamps.
LH mag firing 27 degrees BTC, spec 25 degrees - adjusted to 25 degrees per engine data plate.

THE DESCRIBED MAINTENANCE HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE AIRWORTHINESS REQUIREMENTS.

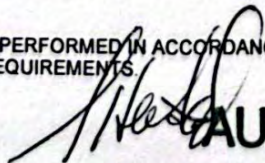
 **AUM 1**

Date: January 25, 2013
Registration: C-GSTZ
Type: Diamond DA40XLS
S/N: 40.1101
TTAF: 118.5hrs
Prop



A 100hr/Annual inspection and servicing has been performed in accordance with CAR 625.86 Appendix B & C using the manufacturer's maintenance manual as a guide.
Prop lubed with Aeroshell #6 grease.

THE DESCRIBED MAINTENANCE HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE AIRWORTHINESS REQUIREMENTS.

 **AUM 1**

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

Diamond AIRCRAFT AUTHORIZED SERVICE CENTRE

XU Aviation Ltd.
2537 Huron St.
London, Ontario
Canada N5V 5J1

AMO 24-88

W/O: 6602
C- GSTZ
Type: DA40
S/N: 40.1101
Date: Feb 20 2013
TTSN: 119.1
PO Ref:

- 100 hr./Annual inspection carried out IAW GARS 625 Appendix B using Diamond DA40 AMM as reference

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

Diamond AIRCRAFT AUTHORIZED SERVICE CENTRE

XU Aviation Ltd.
2537 Huron St.
London, Ontario
Canada N5V 5J1

W/O: 6606
- N175DA
Type: DA40
S/N: 40.1101
Date: Mar 1 2013
TTSN: 119.3
PO Ref:

- Xponder and ELT codes changed for N175DA s/n 40.1101

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

Diamond AIRCRAFT AUTHORIZED SERVICE CENTRE

XU Aviation Ltd.
2537 Huron St.
London, Ontario
Canada N5V 5J1

W/O: 6608
- N175DA
Type: DA40
S/N: 40.1101
Date: March 1 2013
TTSN: 119.1
PO Ref:

- C-GSTZ registration removed
- N175DA registration Installed
- New Left and Right rear Chevron stripes rplaced

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

ENGINEERING RECORD

7

INSPECTION, REPAIRS & REPLACEMENT ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER
Three Wing Aviation Group, LLC CRS# SL5R201N N175DA Diamond DA40 SN: 40.1101 4/22/2013 WO# AV-13-1342 Hobbs 199.1 G1000 128.9 Remove aft baggage compartment tube. Removed Traffic Processor Avidyne TAS 600 PN: 70-2420-[STAS600] SN: M103213519. Shipped to Avidyne for repair. Avidyne repaired unit and shipped back to Three Wing. Reinstalled unit after Avidyne repair. Reinstalled aft baggage compartment tube. TAS system ground ops checked good. END <i>David Laborde</i> 22 April 2013 David Laborde SL5R0201N Date		
Three Wing Aviation Group, LLC CRS# SL5R201N WO# AV-13-1454 N175DA Diamond DA-40 SN: 40.1101 10/18/2013 G1000 187.7 Complied with Garmin STC SB 1334 Rev. A dated 10/1/2013 by completing the update per Garmin field update instructions document PN: 190-00544-03 Rev 10 dated May 2013. Updated G1000 system software from 0321.22 to 0321.23. Ops checked good. Removed AFMS PN: 190-00491-10 Revision 7 dated 9/21/2010 from POH. Inserted AFMS PN: 190-00492-10 Revision 8 dated 5/16/2013 into POH Section 9, supplements section. END <i>Anthony DiNuzzo</i> 10/18/13 Anthony DiNuzzo SL5R201N Date		

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 Diamond DA40 AUTHORIZED SERVICE CENTRE XU Aviation Ltd. 2537 Huron St. London, Ontario Canada N6V 5J1 AMO 24-88 W/O: 6602 - N175DA Type: DA40 S/N: 40.1101 Date: Feb 25 2013 TTSN: 119.1 PO Ref: 100 hr. inspection carried out IAW FARs 43 using Diamond DA40 AMM as reference I certify that this aircraft has been inspected IAW a 100 hr. inspection and was determined to be in a airworthy condition WOCHNER AVIATION LLC I find that the aircraft meets the requirements for the certification requested and have issued a (standard) (special) airworthiness certificate dated: <u>March 4, 2013</u> The next (annual) (condition) inspection is due: <u>March 31, 2014</u> Signed: <u>[Signature]</u> Staniland Wochner DART831148EA Managing Member

Date 2/25/2014, Aircraft: N175DA, Type: DA-40, S/N: 40-1101, Hobbs: 213.90, Total Time: 213.90
Note: hobbs time is G1000 time.

1. I certify that this aircraft has been inspected in accordance with an ANNUAL INSPECTION and current FAA Regulations and was determined to be in an airworthy condition. Time in service since last annual inspection = 94.8 hours. Pertinent details are on file at this facility under Shop Order # MA-14-2617.

2. CW Power Flow Systems instructions for continued airworthiness report number PFS-15250-00 by inspection per section 5.2 Airworthiness limitations. For an annual inspection. The s/n of the exhaust system is 294 p/n PFS-15102.

3. Found nose gear steering friction to be below specification. Adjusted to 8 lbs per Diamond maintenance manual 32-20-00 paragraph 5 b.

4. Found stall hose to be pinched under the pilots seat, cut damaged section of hose out and reconnect using original union.

5. CW the Garmin G1000/GFC700 ICA for stc SA1444WI-D per section 4.13, CW GFC-700 flap in motion discrep check per section 4.9. Note aircraft is not equipped with GSM86 servo mounts.

6. CW the replacement of the 5 lightning protection fuses by installing 5 new p/n 350-A3201-01 3.2 amp slo-blow fuses. IAW G1000 System Maintenance manual doc # 190-00545-01 rev G. Next replacement due in 24 months 2-28-2016.

7. CW operational check of the avionics cooling fans and correct operation of the "PFD FAN FAIL", "MFD FAN FAIL", and "GIA FAN FAIL" caution alerts. No defects noted.

8. Resealed air seal under pilots seat using RTV sealant.

9. Resecure lower brake line clip to left main gear leg.

10. Check Amsafe inflatable seat belts using Amsafe diagnostic tool p/n 508668-201 calibration of test unit due April 2014. The system checked good.

11. Altimeter Static / transponder check due 1-31-15.

12. Inspected and weighed portable fire extinguisher m/n A620 s/n ZR-934017. Weight = 2 lbs. 2.7 oz.

13. Inspected and ops tested ELT m/n ME 406 s/n 197-05559 per FAR 91.207(d). Battery replacement is due 10/31/2016. Remote switch replacement due 5/2015. Reinstalled ELT in aircraft and armed. Ops checked good.

14. Serviced tires with air: N = 29 psi, M = 36 psi. Brake reservoirs checked.

15. AD 2013-24-14 Aft spar mod is not applicable by serial number.

Three Wing Aviation Group, LLC 400 Great Meadow Rd Stratford, CT 06615

This aircraft, airframe, engine or appliance identified was repaired and inspected in accordance with current regulations of the FAA and is approved for return to service. Shop Order MA-14-2617.

Kyle S. Bork
Kyle S. Bork A&P 3492553 IA

2-25-2014
date

AIR TIME AND

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

Date: 10/1/2015 Aircraft N175DA Type DA-40 S/N: 10-1107 Hours: 455.60

CG10C0=31-4

Removed engine Lycoming m/n IO-360-MIA s/n 125235-121 from aircraft. Removed engine baffles, alternator, balance weights, and other items as required by Lycoming. Crated engine and shipped engine to Lycoming for inspection and repair. Repair RMA was setup through Fern Van Aern, the local Lycoming distributor.

Engine was disassembled, cleaned, inspected with necessary parts (glo and magnaflux inspected per SB933B). Cylinders were honed. Engine was reassembled with new Slick magnetos. Lycoming also complied with SB 240W 14-17 AD 2011-14, 14-1701, 14-1702B AD 14-1704, 14-1704-14, and SR 1424, 1487, and 1514. Engine was tested and shipped back to Three Wing. Engine work done at Lycoming under their work order #REP31270.

Re-installed fuel servo with new 11-1775-14 gasket. Installed new engine control programm. Installed new gasket for oil temp probe. Re-installed all other items on engine that were removed for the repair by Lycoming.

Installed engine m/n IO-360-MIA s/n 125235-51E after repair by Lycoming Engines using new nuts for engine snub mounts. Installed overhaul propeller governor m/n 3-116 s/n 6806ND. Installed new alternator belt PN 8741977-170. Installed overhaul propeller m/n HCL 22R 1N s/n 152159B.

The engine and propeller governor were installed using the Diamond DA40 Series Maintenance Manual Revision

10. Installed power flow exhaust system in accordance with Power Flow systems Report # PFS-15050-00 Revision E with new PFS 1011 manifold. When the exhaust was installed the slip joints were "freed" up and coated with OSA and Grease Compound.

The engine has been serviced with 8 quarts of Phillips 10W/40 Mineral Oil. Ran engine. Ops checked good. No leaks noted.

AD 2014-10-14 has been completed with by Lycoming during their repair.

1/14/14 for engine removal. 1/14/15 & 1/20/15 for engine installation. ENC-----

Three Wing Aviation Group 100 Great Meadow Rd Stratford, CT 06815

This aircraft airframe, engine or appliance identified was repaired and inspected in accordance with current regulations of the FAA and is approved for return to service. Shop Order MA-14-2905

Kyle S. Ball
Kyle S. Ball A&P 40255-1A

1-21-15
date

ENGINEERING RECORD

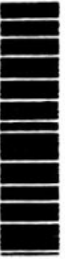
9

INSPECTION, REPAIRS & REPLACEMENT
ENTRIES. DRAW A DIAGONAL LINE THROUGH

TO TIME COLUMNS.

SIGNATURE

LICENCE
NUMBER

EASE CERTIFICATE Autorisé FORM 1 de l'EASA		3. Form Tracking Number N° de repère du Formulaire 13 / 111330 / NKE / N / B	
AV Déchaux FERRAND CEDEX 9		5. Work Order / Contract / Invoice Bon de commande / Contrat / Facture 3309S00024	
9. Qty / Qté 1	10. Serial No. / N° série 3309S00024 	11. Status / Work / Etat / Travaux NEW	
This document has been issued according to an approved computer generated signature procedure. Ce document a été émis selon une procédure approuvée de signature électronique.			
14a. ☐ Part 145 A-50 Release to Service Approbation pour remise en service Selon Part 145 A-50 Sort,			
☐ Other regulation specified in block 12 Autre réglementation précisée en case 12			

(845) 457-1212
N.Y. NY 12549-2402

Serial #: 401101

op tubes PN: 097-500-0.
linings PN: 066-14100.

Appendix F.

N175DA Diamond DA40 SN: 40.1101 03/4/15 Hobbs: 480.0 G1000: 320.8

Comply with FAR's 91.411 & 91.413 24 Month Tests.

Tested backup altimeter United 5934PD-3A.130 SN: 463407 to 20,000 feet per FAR 43 App E. Tested good.

Tested Garmin GDC-74A Airdata Computer PN: 011-00882-00 SN: 47808684 per FAR 43 App E to 30,000 feet and Garmin G1000 for Diamond DA-40 System Maintenance Manual. PN: 190-00545 01 Rev G Section 7.6.2, 7.6.3, and 7.6.4 All tested good.

Tested transponder Garmin GTX-33 SN: 89120384(SW 6.0) per FAR 43 App F. Tested good.

Tested Mode C per FAR 43 App E Para C. Tested good.

Tested static system per FAR 43 App E. Tested good.

END


Kamlesh Rana Date 3/4/2015

1. Approving Civil Aviation Authority/Country
Transport Canada

2. **AUTHORIZED REPRESENTATIVE**
FOI

4. Organization Name and Address:

Diamond Aircraft Industries Inc.
1560 Crumlin Sideroad
London, Ontario N5V 1S2

6. Item:

1

7. Description:

Emergency Battery Pack Assy 2EXL1240

8. Part Number:

D41-2560-63-00

12. Remarks:

Customer Reference

13a. Certifies that the items identified above were manufactured in conformity to:

14a.

1. 2015 ELT failed G switch test

2. All wheel bearings were visually inspected. Repacked nose wheel bearings with Mobil 28 grease. Main wheel bearings were previously done at 1000 hours.

3. All pitot heat and stall warning ops checked and good.

4. Touch up the engine cowling the resistant paint using Duraland Aerospace NE6582 + T503 and 900860900. Too small for the ELT cowling.

5. Removed ELT warning switch from instrument panel. Installed new Duracell D11 battery dated March 2011. Replaced ELT battery date tag. ELT located on outside of instrument panel. Reinstalled switch in panel.

6. Installed new emergency battery pack pin D41-2560-63-00 s/n 12 35 4.

7. Complied with Airsafe EASA Supplemental Instructions for Continued Airworthiness F509201 Revision D dated 10/2010. 8. 2015 ELT for Airsafe EASA # 340191504 using Airsafe tool 52868. 2011 Next due by 1000 hours.

9. Checked with cabin crew inspection. First Aid Kit. No defects noted.

10. Checked with cabin crew inspection. Maintenance Manual. Section 05-23-50 Maintenance Check List. Checked nose wheel steering friction. Tested friction (AVM item # 17) and found friction to pilots side at 9.5 lbs and 12.5 lbs on the left. A normal range is 6.7 to 11.25 lbs at the axle.

11. Checked and removed front of 31.3. 31.3. 31.3.

12. Checked and removed front of 31.3. 31.3. 31.3.

13. Checked and removed front of 31.3. 31.3. 31.3.

14. Checked and removed front of 31.3. 31.3. 31.3.

15. Checked and removed front of 31.3. 31.3. 31.3.

16. Checked and removed front of 31.3. 31.3. 31.3.

17. Checked and removed front of 31.3. 31.3. 31.3.

18. Checked and removed front of 31.3. 31.3. 31.3.

19. Checked and removed front of 31.3. 31.3. 31.3.

20. Checked and removed front of 31.3. 31.3. 31.3.

Y. B. B. B.
Y. B. B. B. 3492593 1A

3/13/15
Date

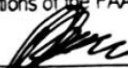
ENGINEERING RECORD

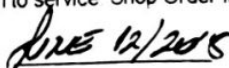
--- 00 Total Time 363 70

1. Approving Civil Aviation Authority / Country: FAA / UNITED STATES		2. AUTHORIZED RELEASE FAA Form 8130-3, AIRWORTHINESS	
4. Organization Name and Address: ACR Electronics, Inc., 5757 Ravenswood Road, Fort Lauderdale, FL 33309			
8CER0			
6. Item:	7. Description:	8. Part Number:	9. Quantity:
1	ME406	453-6603	1
12. Remarks: REPLACED G-SWITCH (MOD A), GASKET, AND WASHERS. PERFORMED FUNCTIONS TEST. G-SWITCH REVISION B DATED 06/07/2013. RETURN TO SERVICE.			
The Repair Station of ACR Electronics, Inc. certifies that the work specified in Block 11 and 12 was performed in accordance with the applicable FAA and EASA regulations and is approved for return to service under EASA Part-145 Approval Number EASA145.6548			
1 Removed and replaced right wing tip strobe light. checked good. END			

Three Wing Aviation Group, LLC 400 Great Meadow Rd Stratford, CT 06615

This aircraft, airframe, engine or appliance identified was repaired and inspected in accordance with current regulations of the FAA and is approved for return to service. Shop Order MA-15-3117


Celis A. Vega A&P 3566700


date

Date: 8/13/2015, Aircraft: N175DA, Type: DA-40, S/N: 40 1101

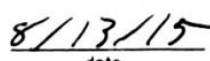
G1000 TIME 423.1

1. Installed new air filter p/n: FR-08504. END

Three Wing Aviation Group, LLC 400 Great Meadow Rd Stratford, CT 06615

This aircraft, airframe, engine or appliance identified was repaired and inspected in accordance with current regulations of the FAA and is approved for return to service. Shop Order MA-15-3186


Kyle S. Bork A&P 3492553 IA


date

ENGINEERING RECORD

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

Date: 1/29/16 A/C: N175DA
 Tach: 500.9 Hobbs: ~~518.6~~ 718.1
 TSO: 500.9 ATT: ~~718.1~~ 718.1

Minor repair made to left wing leading edge. Inspection and repair was done I/A/W Diamond DA40 series Maintenance Manual Chapter 51 and Aircraft Manufacturers recommendations.

Date: 3/2/16 A/C: N175DA
 Tach: 518.6 Hobbs: 743.1
 TSO: 518.6 ATT: 743.1

100hr Inspection performed I/A/W Diamond DA 40 Maintenance manual Section 05-28-00. Rear door latch removed, inspected, lubricated, and reinstalled. Operational check performed and found to be satisfactory. Main gear and nose gear wheel bearings found to be dry upon inspection. Bearings removed, cleaned, repacked, and reinstalled. Nose gear fork assembly removed, cleaned, greased, and reinstalled I/A/W MM. ELT test performed I/A/W FAR part 91, battery due 01/2016.

TAKE FLIGHT AVIATION

Jason A. Zwart 3736574AP *Jason Zwart*

Jason A. Zwart 3736574AP *Jason Zwart*

Date: 03-02-16 Tach: 518.6

I certify that I have inspected this aircraft in accordance with an Annual Inspection and have determined it to be in an airworthy condition.

Joseph M. Bennis AP 1403848671A

Joseph M. Bennis

Date: 4/16/16 A/C: N175DA
 Tach: 543.8 Hobbs: 778.4
 TSO: 313.4

Removed and replaced Main Aircraft Battery. Oil drained, filter removed and inspected, s/w 8qts. Aeroshell 100w motor oil, and new CH48110-1 filter installed.

Jason A. Zwart 3736574AP *Jason Zwart*

CARRIED FORWARD

11

Jason A. Zwart 3736574AP

Signed, Bashir Nofal A&P 3569086

Pay made 2743035 H.P.

ENGINEERING RECORD

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

Cycle Aviation 18319 Air Park Road Hagerstown Reional Airport Hagerstown, Md 21742 6LVD604C
LOG ID# 5176 29-March-2017 WO# 5236 FORM M3 HOBBS 940.9
N175DA S/N 40.1101 DIAMOND AIRCRAFT INC DA40 TSNEW 666.9

Pg 1 / 4

C/W annual inspection I/A/W Diamond DA 40 Series AMM Sect. 05-28-50. airframe service items

C/W airframe service items I/A/W Diamond DA 40 AMM sect 12-20-00

Replaced passenger map bulb P/N OSR2845 and reassembled light/switch housing I/A/W Diamond DA 40 AMM 26-00-00. Ops check good.

Removed passenger door to remove loose hardware in the inside door channel, retrieved hardware and reinstalled door and hardware I/A/W Diamond DA-40 AMM Chapter 52-10-00.

Aircraft weight and balance check performed at customer's request. Empty weight: 1842 lbs. Center of gravity: 97.2". Maximum permitted all-up-weight: 2646 lbs. Maximum useful load: 804 lbs. All work done I/A/W Diamond Aircraft DA40 AMM 08-10-00 Section 3.

Inspected ELT IAW 14 CFR 91.207(d). Batt expires 12/2023. No defects noted. Tested 406Mhz signal strength. No defects noted. Report printed and filed with aircraft records. Tester WS Technologies BT100 s/n 2767, next due cal Feb. '19.

Adjusted nose castering tension to 11 Lbs IAW Diamond DA-40 AMM 32-20-00. Spring scale ID 228653, next due cal. 5/12/2017

Idle mixture adjusted 1 full turn in the lean direction. Engine run shows engine idle RPM at 750 and 20 RPM rise at engine C/O I/A/W Diamond DA 40 AMM sect 76-00-00.

Cycle Aviation 18319 Air Park Road Hagerstown Reional Airport Hagerstown, Md 21742 6LVD604C
LOG ID# 5176 29-March-2017 WO# 5236 FORM M3 HOBBS 940.9
N175DA S/N 40.1101 DIAMOND AIRCRAFT INC DA40 TSNEW 666.9

Pg 2 / 4

Cleaned and oiled induction air filter I/A/W JR Filter Servicing instructions.

Replaced brake linings PN: RA066-14100 I/A W DA40 AMM sect 32-40-00.

Replaced emergency battery pack P/N D41-2560-93-00 I/A/W Diamond DA-40 AMM chapter 24-32-00.

Complied with powerflow ICA doc PFS-15250-00 Rev E. Found cracking on exhaust components. See below for corrective action.

Exhaust system received and installed on engine. Exhaust collector assy. PN: 33003 and stuffed tailpipe PN: 80062 are in rebuilt condition. Exhaust flange nuts torqued to 200in lbs using torque wrench ID: 07-00004673 Next Cal Due:05/19/2017. All work done I/A/W PFS Installation Instructions and Instructions for Continued Airworthiness PFS-15250-00 Rev E.

PER Power Flow PFS Installation Instructions and Instructions for Continued Airworthiness PFS-15250-00 Rev E all joint were lubricated per instructions.

Repositioned tube away from cylinder #3 baffeling. Tube damage does not exceed 10% of wall thickness. All work done I/A/W AC 43.13-1B sect 9-30 para c.

Oil leak appears to be forming under the eng, fuel injection valve, noticed on eng. prior to cleaning the eng. for inspection. Following the post eng. runs inspected suspect area with no defects being noted at this time I/A/W Lycoming IO-360-M1A MM

Cycle Aviation 18319 Air Park Road Hagerstown Reional Airport Hagerstown, Md 21742 6LVD604C
LOG ID# 5176 29-March-2017 WO# 5236 FORM M3 HOBBS 940.9
N175DA S/N 40.1101 DIAMOND AIRCRAFT INC DA40 TSNEW 666.9

Pg 3 / 4

Life style stickers installed on skeg per customers request.

Removed cyl #3 intake tube and replaced both seals P/N 77569 and P/N 71973 I/A/W Lycoming IO-360-M1A MM chapter 7 and 8.

Adjusted nose castering tension to 11 Lbs I/A/W Diamond DA-40 AMM 32-20-00.

Exhaust hangar torn installed p/n 211 I/A/W DA 40 AMM sect.78-00-00.

Adjusted alt belt tension IAW Diamond DA-40 AMM chapter 24-30-00.

Removed bearing race from outboard half of LH MLG wheel. Installed new Timken bearing race PN:13836-20629 in outboard wheel half. New Timken bearing installed and lubricated PN:13889-20629. All work done I/A/W AC 43.13-1B Section 9-7(3).

Mag timing found aprox 1-1/2 degrees off. Adjusted LH and RH magneto timing to 25 degrees before TDC. All work done I/A/W Lycoming IO-360-M1A overhaul manual 60294-7 Section 4-40.

Drained both fuel tanks, removed and cleaned gascolator, reinstalled gascolator. Fueled tanks and "sloshed" fuel around, drained, removed and cleaned gascolator, reinstalled gascolator. Fueled tanks and c/w ground run, no defects noted, removed inspected and cleaned gascolator, ground ran, no defects noted at this time I/A/W Diamond DA 40 AMM sect 28-10-00.

Life style stickers installed on skeg per customers request.

INSPECTION, REPAIRS & REPLACEMENT

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

SIGNATURE

LICENCE
NUMBER

Cycle Aviation 18319 Air Park Road Hagerstown Regional Airport Hagerstown, Md 21742 6LVD604C
 LOG ID# 5176 29-March-2017 WO# 5236 FORM M3 HOBBS 940.9
 N175DA S/N 40.1101 DIAMOND AIRCRAFT INC DA40 TSNEW 666.9

Pg 4 / 4

The work identified above was performed in accordance with current Federal Aviation Regulations and current manufacturers manuals and is approved for return to service. Pertinent details on file at this repair station under above referenced work order.



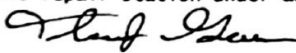
Signed: 6LVD604C Tom Gorman

Cycle Aviation 18319 Air Park Rd.. Hagerstown Regional Airport Hagerstown, Md. 21742 6LVD604C
 LOG ID# 5339 21-April-2017 FORM M3 HOBBS 951.7
 N175DA S/N 40.1101 DIAMOND AIRCRAFT INC DA40 TACH 674.3

Pg 1 / 1

-Removed Garmin GTX 330 p/n 011-00779-10 s/n 89120384K at station 154 installed new Garmin GTX 345 p/n 010-01217-43 s/n 3EH400742 at station 154 and Garmin GA 35 GPS antenna p/n 013-00235-00 s/n 134868 at station 197. Installation completed in accordance with Garmin STC SA01714WI dated May 1, 2013. Inserted Instructions for Continued Airworthiness document number 190-00734-11 Rev.5 dated 18 Oct 2016 into aircraft records. Inserted FAA Approved Flight Manual Supplement document number 190-00734-15 Rev. 2 dated March 8, 2016 into the Aircraft Flight Manual. System operational check good in accordance with manufactures specs. Complied with 14CFR Part 43 Appendix E (c) 'Automatic Pressure Altitude Reporting Equipment and ATC Transponder System Integration Test', 14CFR Part 91.215 'Data correspondence between automatically reported pressure altitude data and the pilot's altitude reference', and 14CFR Part 43 Appendix F 'ATC Transponder System Test'. Verified compliance with 14CFR Part 91.227 'Automatic Dependent Surveillance - Broadcast (ADS-B) Out'. A copy of STC SA01714WI as revised March 8, 2016 with Approved Model List with evidence of permission to install this STC on this aircraft, and a copy of FAA form 337 dated March 6, 2017 were inserted into the aircraft maintenance records. Weight and balance and equipment list revised.

-The work identified above was performed in accordance with current Federal Aviation Regulations and current manufacturers manuals and is approved for return to service. Pertinent details on file at this repair station under above referenced work order.



Signed: 6LVD604C Tom Gorman

Bode Aviation



1260 W Navajo ST Hanger 6, Farmington NM 87401

Airframe

03/29/2018 N175DA Diamond DA-40 S/N 40.1101 Tach 768.2 TTA 768.2

Annual inspection completed this date IAW FAR 43 Appendix D and Diamond aircraft maintenance manual. Removed all access and inspection panels. Inspected aircraft structure, flight controls, pushrods, cables, pulleys, and bellcranks. Inspected aircraft skin visually for signs of damage and delamination, none noted. Placed aircraft on jacks, inspected landing gear, attach points, wheels, tires, and brakes. Removed, cleaned, repacked, and reinstalled wheel bearings. Set nose wheel free casting tension to 11lbs. Inspected and tested ELT per FAR 91.207d. Battery due for replacement 2023. Inspected aircraft electrical and lighting systems. Removed and replaced both strobe tubes, installed new tubes p/n A610. Replaced Garmin slo-blo fuses P/N 031303.2HXP x5. C/W AMSAFE annual system check per ICAS E510629, all systems checked ok. Cleaned and oiled engine induction air filter per JR maintenance manual. Performed 100 hour inspection and lubrication of exhaust system per power flow ICA PFS-15250-00 REV E.

I certify that this AIRCRAFT has been inspected IAW an ANNUAL inspection and is in airworthy condition at this time.

Christopher J Gibson 3563126 A&P IA

Bode Aviation



1260 W Navajo ST Hanger 6, Farmington NM 87401

Airframe

4/19/2019 N175DA Diamond DA-40 S/N 40.1101 Tach 823.1 Flt hobbs 1137.0 TTAF 823.1

Annual inspection completed this date in accordance with FAR 43 Appendix D and Diamond aircraft maintenance manual. Removed all access and inspection panels. Inspected aircraft structure, flight controls, pushrods, cables, pulleys, and bell cranks. Inspected aircraft skin visually for signs of damage and delaminating, none noted. Placed aircraft on jacks, inspected landing gear, attach points, wheels, tires, and brakes. Removed, cleaned, repacked, and reinstalled wheel bearings. Set nose wheel free casting tension to 11lbs. Inspected and tested ELT per FAR 91.207d. Battery due for replacement Dec. 2023. Inspected aircraft electrical and lighting systems. C/W AMSAFE annual system check per ICAS E510629, all systems checked ok. Cleaned and oiled engine induction air filter per JR maintenance manual. Performed 100 hour inspection and lubrication of exhaust system per power flow ICA PFS-15250-00 REV E.

I certify that this AIRCRAFT has been inspected in accordance with an ANNUAL inspection and was determined to be in an airworthy condition.

Terrell Grimes 3465915 A&P IA

Bode Aviation



1260 W Navajo ST Hanger 6, Farmington NM 87401

Airframe

4/6/2020 N175DA Diamond DA-40 S/N 40.1101 Tach 875.0 Flt hobbs 1198.2 TTAF 875.0

Annual inspection completed this date in accordance with FAR 43 Appendix D and Diamond aircraft maintenance manual. Removed all access and inspection panels. Inspected aircraft structure, flight controls, pushrods, cables, pulleys, and bell cranks. Installed 2 new window latches p/n 301.25.4110. Inspected aircraft skin visually for signs of damage and delaminating, none noted. Placed aircraft on jacks, inspected landing gear, attach points, wheels, tires, and brakes. Removed, cleaned, repacked, and reinstalled wheel bearings. Set nose wheel free casting tension to 11lbs. Inspected and tested ELT per FAR 91.207d. Battery due for replacement Dec. 2023. Inspected aircraft electrical and lighting systems. Replaced 5 slow blow fuses p/n 031303.2HXP per Garmin Manual 190-00545-01. C/W AMSAFE annual system check per ICAS E510629, all systems checked ok. Cleaned and oiled engine induction air filter per JR maintenance manual. Performed 100 hour inspection and lubrication of exhaust system per power flow ICA PFS-15250-00 REV E.

I certify that this AIRCRAFT has been inspected in accordance with an ANNUAL inspection and was determined to be in an airworthy condition.

Terrell Grimes 3465915 A&P IA

CAMARILLO AIRCRAFT SERVICE
375-B DURLEY AVE.
CAMARILLO, CA 93010

Sept 21, 2017

N175DA

Tach 1024.5

Install new Goodyear FCII
15X6 Gply tires and new Michelin
15X6 Airstop tubes on LH & RH
main wheels. Balanced wheel assemblies.
Replaced grease in all main wheel bearings
Installed and safetied. RPN JEP
Serviced to 36 psi. 3521570 A&P

Bode Aviation

1260 W Navajo ST Hanger 6, Farmington NM 87401

Airframe**4/14/2021 N175DA Diamond DA-40 S/N 40.1101 Tach 975.3 Flt hobbs 1311.5 TTAF 975.3**

Annual inspection completed this date in accordance with FAR 43 Appendix D and Diamond aircraft maintenance manual. Removed all access and inspection panels. Inspected aircraft structure, flight controls, pushrods, cables, pulleys, and bell cranks. Removed and cleaned fuel bowl screen. Reinstalled with new seal p/n ORO375. Inspected aircraft skin visually for signs of damage and delaminating, none noted. Placed aircraft on jacks, inspected landing gear, attach points, wheels, tires, and brakes. Removed, cleaned, repacked, and reinstalled wheel bearings. Installed 4 new brake linings on both brakes, p/n 066-10600. Set nose wheel free casting tension to 11lbs. Inspected and tested ELT per FAR 91.207d. Battery due for replacement Dec. 2023. Inspected aircraft electrical and lighting systems. Removed AMSAFE inflation cylinders due to expiration date. AMSAFE system is disabled. Repaired damaged left wing tip and installed new Nav light assembly p/n A600-PR-D-28. Applied oil and installed new induction air filter p/n FR-08504. Performed 100 hour inspection and lubrication of exhaust system per power flow ICA PFS-15250-00 REV E.

I certify that this AIRCRAFT has been inspected in accordance with an ANNUAL inspection and was determined to be in an airworthy condition.

Terrell Grimes 3465915 A&P IA

LICENCE
NUMBER**Bode Aviation**

1260 W Navajo ST Hanger 6, Farmington NM 87401

Airframe**10/21/2022 N175DA Diamond DA-40 S/N 40.1101 Tach 1004.1 Flt hobbs 1351.0 TTAF 1004.1**

Annual inspection completed this date in accordance with FAR 43 Appendix D and Diamond aircraft maintenance manual. Removed all access and inspection panels. Inspected aircraft structure, flight controls, pushrods, cables, pulleys, and bell cranks. Installed 2 new window latches p/n 301.25.4110. Inspected aircraft skin visually for signs of damage and delaminating, none noted. Placed aircraft on jacks, inspected landing gear, attach points, wheels, tires, and brakes. Removed, cleaned, repacked, and reinstalled wheel bearings. Set nose wheel free casting tension to 11lbs. Inspected and tested ELT per FAR 91.207d. Battery due for replacement Dec. 2023. Inspected aircraft electrical and lighting systems. Replaced 5 slow blow fuses p/n 031303.2HXP per Garmin Manual 190-00545-01. C/W AMSAFE annual system check per ICAS E510629, all systems checked ok. Cleaned and oiled engine induction air filter per JR maintenance manual. Performed 100 hour inspection and lubrication of exhaust system per power flow ICA PFS-15250-00 REV E. Charged aircraft battery, performed capacity test, battery failed. Charged and reinstalled battery. Ordered new battery to be installed at a later date.

I certify that this AIRCRAFT has been inspected in accordance with an ANNUAL inspection and was determined to be in an airworthy condition.

Terrell Grimes 3465915 A&P IA

Bode Aviation

1260 W Navajo ST Hanger 6, Farmington NM 87401

Airframe**11/1/2022 N175DA Tach 1004.1**

**Install new Concord battery p/n RG24-15M s/n 41250676, Voltage at installation is 13.5.
Ops check was good**

Terrell Grimes 3465915 A&P IA

Bode Aviation, Inc. 2502 Clark Carr Loop SE Albuquerque, NM 87106



N175DA
Jan 23, 2023

Model: DA 40
Tach: 1005.1

S/N: 10-1101
Hobbs: 1353.8

CRS#J7BR555Y

1. Performed calibration of the GDC 74(A) due to static altitude points being out of tolerance on the G1000, ops checks good. Calibration performed IAW Garmin GDC 74(x)/ GSU 73 Field Calibration Tool Instructions 190-00303-82, Jan 2016, Rev D. Calibration was performed using Laversab 6300W, S/N 87460, Cal Due Date 08/04/23
2. Performed Pitot/Static check on Garmin GDC 74(A) P/N 011-00882-00, S/N 47808684, Standby Altimeter P/N 5934PD-4, S/N 463407 and XPDR #1, P/N 011-03303-40, S/N 3EH00742. All systems check within standards of FAR 91.411, 91.413, 91.217, and FAR 43 appendices E & F. ADS-B system ops check good IAW 91.227. Test were performed using Laversab 6300W, S/N 87460, Cal Due Date 08/04/23 and IFR 6000, S/N 104001272, Cal Due Date 08/09/23. Work was done IAW Diamond DA 40 Series Maintenance Manual 6.02.01, Oct 2018, Rev 8. Aircraft was tested to 18,000 feet.

I certify that this airframe is airworthy for return to service with regard to the above work performed.

Isaiah Saavedra:

PD-LBEI-1 Rev. 1 01/20/2020

WO# A2980



3330 AIRPORT LOOP
SALISBURY, NC 28147
OFFICE: 704-431-6862
INFO@SOUTHTECAVIATION.COM

DATE: MARCH 2, 2023 | DIAMOND DA40-180 | S/N: 40.1101 | REG: N175DA
TACH: 1016.4 HRS. TTAF: 1016.4 HRS.

ANNUAL/1000hr INSPECTION COMPLETED THIS DATE IN ACCORDANCE WITH DIAMOND AIRCRAFT DA40 AMM AND INSPECTION CHECKLIST.

CHECKED AD'S THROUGH BI-WEEKLY 2023-05, NO AD'S DUE AT THIS TIME.

SB40-091 DYE PENETRANT OF NLG PIVOT AXLE, COMPLIED WITH DUE TO NOSE GEAR WEAR, NO DEFECTS NOTE.

ELT TESTED IN ACCORDANCE WITH FAR 91.207(d), BATTERY EXP: DECEMBER 2023

CLEANED, TREATED, AND REINSTALLED INDUCTION AIR FILTER.

INSPECTED AND REPACKED WHEEL BEARINGS.

PAINTED COWLINGS WITH FIRE PAINT.

REPLACED LEFT AILERON PUSH TUBE ROLLERS AT FLAP OUTER PUSH TUBE.

LUBED PILOTS RUDDER PEDDLES.

REPLACED TAIL PIPE STRAP.

REPLACED ELASTOIMERIC PACK TUBE, BUSHINGS, AND ALL RUBERS.

REPLACED FIRE EXTINGUISHER.

REPLACED NOSE FORKBUSHINGS.

REPLACED EMERGENCY BATTERY.

REPLACED ELT REMOTE SWITCH BATTERY.

REPLACED PAX DOOR GAS STRUT.

REPLACED LEFT AND RIGHT WNG TIP STATIC WICKS.

PERFORMED 1000 HOUR ELECTRICAL BONDING TEST IN ACCORDANCE WITH ATA CHAPTER 51.

PERFORMED ESSENTIAL BUSS INSPECTION.

COMPLETED ALL REQUIREMENTS FOR 1000 HOUR INSPECTION PER DIAMOND AIRCRAFT AMM.

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

AIR TIME AND



3330 AIRPORT
SALISBURY, NC 28383
OFFICE: 704-431-4444
INFO@SOUTHTECAVIATION.COM

DATE: MARCH 14, 2023 | DIAMOND DA40-180 | S/N: 40.1101 | REG: N175DA
TACH: 1020.6 HRS. TTAF: 1020.6 HRS.

Found a defective Avionics Master Relay. Replaced it with a new relay P/N 6-1393302-3 relay. Operational check good.

Found MFD GDL 1040 to have several issues that were corrected by replacing the MFD GDL 1040. With a recently overhauled unit that is in good condition. This corrected the issues/

Reloaded the System software and activated all options. Updated GTX 345 to latest software. Activated SVT and TAD both working well after downloading the correct Obstacle and terrain.

I certify the above work was completed I/A/W Diamond DA40-180 AMM and the Garmin 1000 manual. Aircraft returned to service.


Glenn M. Lawler

A&P 2151929 IA

RISE AERO
EXPERIENCE ABOVE
843.383.1088

N757DA

4/13/2023

Hobbs: 1479.0

TT: 1093.4

Replaced electric fuel pump. Removed P/N 5100-00-9 S/N 10364A installed P/N 5100-00-9CJ S/N 4589-4593. Ops check good.


Maurice Lemmond

A&P 2060784AI



843.383.1088

N175DA

4/24/2023

ACTT: 1116.4

100hr inspection completed using the Diamond Aircraft DA40 maintenance manual checklist as a guide per FAR 43 Appendix D. Inspected flight controls. Checked lights, stall warning, pitot heat and lights for proper operation. Lubricated. Serviced tires, brakes and battery. C/W FAR 91.207 (d) by inspection and ops check. Battery due date is December 2023.

I certify this aircraft has been inspected in accordance with a 100hr inspection and was determined to be in airworthy condition.

A handwritten signature in black ink that reads 'Maurice Lemmond'. The signature is written in a cursive, flowing style.

Maurice Lemmond

A&P 2060784AI

AIR TIME AND

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

BRO
FOR

RISE AERO

EXPERIENCE ABOVE

843.383.1088

N175DA

5/30/2023

TACH: 1177.5

TT: 1177.5

Replaced all brake linings P/N APS66-10600. Replaced bolt in right gear fairing.

Maurice Lemmond
Maurice Lemmond

A&P 2060784AI

RISE AERO

EXPERIENCE ABOVE

843.383.1088

N175DA

6/12/2023

TT: 1190.6

Remove 15x600-6 tires and replaced with new Air Hawk 600x6 6ply tire and 600x6 tubes.

Maurice Lemmond

Maurice Lemmond

A&P 2060784AI

RISE AERO

EXPERIENCE ABOVE

843.383.1088

N175DA

7/06/2023

Tach: 1204.5

TT: 1204.5

100HR: Completed using the Diamond Aircraft DA40 maintenance manual checklist as a guide per FAR 43 appendix D. Inspected flight controls. Lubricated. Serviced tires, brakes and battery. C/W FAR 91.207 (d) on ELT by inspection and ops check. Battery due date January 27. C/W AD 2015-19-07 on fuel injector lines by inspection.

I certify this aircraft has been inspected in accordance with a 100HR INSPECTION and was determined to be in airworthy condition.

Maurice Lemmond

Maurice Lemmond

ENGINEERING RECORD

16

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: 40.1101
REG. NO: N175DA
WORK ORDER: FLO23-001736



500 SOUTH McCALL BLVD
FLORENCE, SC 29506
PH: 843-667-9627
CRS#: Y5QR167C

DATE: 8/24/23

HOBBS: 1687.2

Page 1 of 1

The following work was accomplished:

- Installed Garmin exchange roll servo P/N 011-00878-00 S/N 66415204 IAW Garmin System manual P/N 190-00545-01. No defects noted. Removed placard stating autopilot inop.

I certify that the aircraft, aircraft engine, propeller, or appliance identified above was repaired and or inspected in accordance with current FAA regulations and was found airworthy with respect to the work performed and is approved for return to service. Pertinent details of the repairs are on file at FAA approved Repair Station Number Y5QR167C. Precision Air - Florence: 500 South McCall Boulevard Florence, SC 29506.

INSPECTOR FOR CRS# Y5QR167C

MAKE: Diamond
MODEL: DA40
S/N: 40.1101
REG. NO: N175DA
WORK ORDER: FLO23-01736



500 SOUTH McCALL BLVD
FLORENCE, SC 29506
PH: 843-667-9627
CRS#: Y5QR167C

DATE: 8/24/23

HOBBS: 1687.2

Page 1 of 1

The following work was accomplished:

- R&R BOTH BRAKE CALIPER PUCK O-RINGS P/N MS28755-224, BLED BRAKE SYSTEM, WORK PERFORMED PER DA40 AMM 32-40-00, OPS/ LK GOOD

I certify that the aircraft, aircraft engine, propeller, or appliance identified above was repaired and or inspected in accordance with current FAA regulations and was found airworthy with respect to the work performed and is approved for return to service. Pertinent details of the repairs are on file at FAA approved Repair Station Number Y5QR167C. Precision Air - Florence: 500 South McCall Boulevard Florence, SC 29506.

INSPECTOR FOR CRS# Y5QR167C

Nov 16, 2023

N175DA

Tach time:

Nose tire flat:

Replaced nose tire inner tube, Aero Classic 5.00-5, TR-67 Valve, P/N: GL-5067. Torqued wheel bolts to 75 in lbs. Reinstalled wheel and tire assembly. Serviced tire to 28psi.

Maintenance Release

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

Thomas Lawrence A&P No. 3627084

RISE AERO

EXPERIENCE ABOVE

843.383.1088

N175DA

DATE: 11/30/2023

TACH TIME: 1301.6

Completed a 100hr. inspection using the Diamond Aircraft DA40 maintenance manual as a guide per FAR 43 Appendix D. Inspected flight controls. Lubricated. Serviced tires, brakes and battery. Serviced brake reservoir. C/W FAR 91.207(d) on ELT by inspection and ops check. Battery due date is Jan 27. C/W AD 2015-19-07 on fuel injection lines by inspection.

I certify this aircraft has been inspected in accordance with a 100hr inspection and was determined to be in airworthy condition.

Signed: Maurice Lemmond

Maurice Lemmond

A&P 2060784AI

MAKE: Diamond
MODEL: DA40
S/N: 40.1101
REG. NO: N175DA
WORK ORDER: FLO23-01818



500 SOUTH McCALL BLVD
FLORENCE, SC 29506
PH: 843-667-9627
CRS#: Y5QR167C

DATE: 12-13-23

HOBBS: 1790.6

Page 1 of 1

The following work was accomplished:

- Updated all navigational databases to current. Expiration is Dec 28, 2023. Reference G1000 Line Maintenance and Configuration Manual 190-00303-04 Rev G

I certify that the aircraft, aircraft engine, propeller, or appliance identified above was repaired and or inspected in accordance with current FAA regulations and was found airworthy with respect to the work performed and is approved for return to service. Pertinent details of the repairs are on file at FAA approved Repair Station Number Y5QR167C. Precision Air - Florence: 500 South McCall Boulevard Florence, SC 29506.

INSPECTOR FOR CRS# Y5QR167C

[Signature]

CARRIED FORWARD

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

SIGNATURE

LICENCE
NUMBER**RISE AERO**
EXPERIENCE ABOVE

843.383.1088

N175DA

DATE: 2/07/24

TACH TIME: 1393.2

ANNUAL INSPECTION: Inspected using the Diamond Aircraft DA40 maintenance manual as a guide per FAR 43 Appendix D. Inspected flight controls. Lubricated. Serviced tire and battery. Replaced all brake linings. Installed P/N APS66-14100 linings. Serviced brake reservoir. C/W FAR 91.207(d) on ELT by inspection and ops check. Battery due date January 2027. C/W AD 2015-19-07 on fuel injection lines by inspection.

I certify this aircraft has been inspected in accordance with an ANNUAL INSPECTION and was determined to be in airworthy condition.

Signed: Maurice Lemmond

Maurice Lemmond A&P 2060784AI

RISE AERO
EXPERIENCE ABOVE

843.383.1088

N175DA

Replaced CO Detector

Signed: MauriceMaurice Lemmond
A&P 2060784AI1. Approving Civil Aviation
Authority/Country:

FAA/United States

2.

AUTHORIZED RELEASE

FAA Form 8130-3, AIRWORTHINESS

4. Organization Name and Address:

CO Guardian LLC 1951 E. Airport DR. Tucson AZ 85756 (PT1575NM)

6. Item:

7. Description:

8. Part Number:

1

CO Detector

452-201-010RX

12. Remarks:

Rebuilt (altered) to Original CO Guardian

13a. Certifies the items identified above were manufactured in conformity to:

1. Approving Civil Aviation Authority/Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE FAA FORM 8130-3, AIRWORK
4. Organization Name and Address: Sal Aerospace Technologies 11990 SW 128th Street MIAMI, FL 33186 USA Ph: 305-791-0593, FAA CRS #: FAA: #54TR218D / EASA: #145.6798		
6. Item:	7. Description:	8. Part Number:
1	FUEL PUMP	5100-00-9CJ
12. Remarks: UNIT WAS OVERHAULED I/AW CMM CJ2013-01 REV:# D DATED: JAN. 27, 2023 AD's : NONE MOTOR S/N: 397 Certifies that the work specified in block 11/12 was carried out in accordance with EASA Part 145 Approval No. EASA: 145.6798 and replace by S/N NS7584B. Replaced lines. C/W AD 2024-19-08 on nose gear by inspection.		

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

Maurice Lemmond

Maurice Lemmond

A&P 20607R4AI

Precision Air

DATE: 12 DEC 2024 MODEL: DIAMOND DA40 S/N: 40.1101 HOBBS:2041.6 N175DA
WO#FLO24-02087

I Certify that the following Altimeter(s), Static System(s) and Altitude Reporting System(s) have been tested per FAR 91.411 and Appendix E of Part 43 IAW Aircraft MM, Test Equipment Instructions and/or AC43.13-1B Ch 12 Para 12-58 & 12-59 as applicable.

Altimeter:

#1	Model: Garmin	P/N: 011-00882-00	S/N: 47808684	Date: 12 DEC 2024
#2	Model: United	P/N: 5934PD-4	S/N: 463407	Date: 12 DEC 2024

Altitude reporting system tested to 20,000 feet.

I certify that the following Equipment have been tested per FAR 91.413 and Appendix F of Part 43 IAW Aircraft MM, Test Equipment Instructions and/or installed Equipment MM/ICA as applicable.

Transponder:

#1	Model: GTX 345	P/N: 011-03303-40	S/N: 3EH00742	Date: 12 DEC 2024
----	----------------	-------------------	---------------	-------------------

NEXT DUE DATE: DEC 2024

I certify that the aircraft, aircraft engine, propeller, or appliance identified above was repaired and or inspected in accordance with current FAA regulations and was found airworthy with respect to the work performed and is approved for return to service. Pertinent details of the repairs are on file at FAA approved Repair Station Number Y5QR167C. Precision Air - Florence: 500 South McCall Boulevard Florence, SC 29506

INSPECTOR FOR CRS# Y5QR167C

[Signature]

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

SIGNATURE

LICENCE
NUMBER

+

RISE AERO
EXPERIENCE ABOVE

843.383.1088

N175A

Date: 12/20/25

TACH: 1495.2

ANNUAL INSPECTION: Inspected using the Diamond DA40 maintenance manual per FAR 43 appendix D. Inspected flight controls. Serviced tires, brakes and battery. Lubricated. C/W FAR 91.207(d) on ELT by inspection and ops check. Battery due date is February 2031. C/W AD 2015-19-07 on fuel injection lines by inspection. AD on nose landing gear n/a to p/n D41-3223-10-00_02.

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

Signed: Maurice Lemmond

Maurice Lemmond
A&P 20607841A

Precision Air

DATE: 5/20/26 MODEL: DIAMOND DA 40 S/N: 40.1101 TT: 1522.8 N: 175DA

WO# FLO26-02425

I Certify that the following Altimeter(s), Static System(s) and Altitude Reporting System(s) have been tested per FAR 91.411 and Appendix E of Part 43 IAW Aircraft MM, Test Equipment Instructions and/or AC43.13-1B Ch 12 Para 12-58 & 12-59 as applicable.

Altimeter:

#1 Model: Garmin
#2 Model: United

P/N: 011-00882-00
P/N: 5934PD-4

S/N: 47808684
S/N: 463407

Date: 20MAY2026
Date: 20MAY2026

Altitude reporting system tested to 20,000 feet.

I certify that the following Equipment have been tested per FAR 91.413 and Appendix F of Part 43 IAW Aircraft MM, Test Equipment Instructions and/or installed Equipment MM/ICA as applicable.

Transponder:

#1 Model: GTX345R

P/N: 011-03303-40

S/N: 3EH00742

Date: 20MAY2026

NEXT DUE DATE:

I certify that the aircraft, aircraft engine, propeller, or appliance identified above was repaired and or inspected in accordance with current FAA regulations and was found airworthy with respect to the work performed and is approved for return to service. Pertinent details of the repairs are on file at FAA approved Repair Station Number Y5QR167C. Precision Air - Florence: 500 South McCall Boulevard Florence, SC 29506

INSPECTOR FOR CRS# Y5QR167C

[Signature]

**AIRCRAFT TOOL SUPPLY COMPANY**

P.O. BOX 370 • 1000 AUSABLE RD • OSCODA, MICHIGAN 48750
TELEPHONE (989) 739-1447 • FAX (989) 739-1448
www.aircraft-tool.com • sales@aircraft-tool.com

PACKING SLIP

681053

Customer No: 9102843166

BILL TO

RISEAERO, LLC
ATTN: HAYSELL M ATKINSON JR
P. O. BOX 13496
FLORENCE, SC 29504
US

SHIP TO

RISEAERO, LLC
ATTN: MARK DEFIELDS
1083 HARTSVILLE AIRPORT RD
HARTSVILLE, SC 29550
US

DATE		ORDER NO		TERMS		SHIP DATE		SHIP TO	
02/06/2024		WEB 2959478		C/Card		2/6/2024		[Redacted]	
1	1	1	17461	8158A CONTINENTAL 550 CYLINDER WRENCH					
Thank You very much for your order -- Faith									

Certificate of Conformance

Aircraft Tool Supply Company certifies that the product(s) on this document carrying the ATS brand has been manufactured, calibrated, and/or tested to Aircraft Tool Supply Company's published specifications. Records substantiating the above statement and documenting our manufacturing and quality control practices are available for inspection by authorized personnel. Products on this document obtained through authorized manufacturers for resale and/or redistribution (non ATS brand) are to the best of our knowledge in full compliance with all applicable specifications as stated by the manufacturer.

Monte L Fouchey
Monte Fouchey - QA Manager
Aircraft Tool Supply Company

Altimeter Scale Error			Date: 5/20/2026		
			Part No. 5934PD-4		
Nomenclature			Serial No. 463407		
Altimeter Pressure					
Test Pt.(FT)	Indicator Reading at +25° C	Test Pt.(FT)	Indicator Reading at +25° C	Test Pt.(FT)	Indicator Reading at 25° C
-1000	+10	8000	0	30000	XXX
0	0	10000	-20	32000	XXX
500	+10	12000	-20	35000	XXX
1000	+10	14000	-20	40000	XXX
1500	+10	15000	XXX	45000	XXX
2000	+20	16000	+20	50000	XXX
3000	+20	18000	+40	55000	XXX
4000	+20	20000	+100	60000	XXX
5000	XXX	22000	XXX	70000	XXX
6000	+10	25000	XXX	80000	XXX

Form PAF-019 (07/16) Revision Status (Original)

Altimeter Scale Error			Date: 5/20/2026		
			Part No. 011-00882-00		
Nomenclature			Serial No. 47808684		
Altimeter Pressure					
Test Pt.(FT)	Indicator Reading at +25° C	Test Pt.(FT)	Indicator Reading at +25° C	Test Pt.(FT)	Indicator Reading at 25° C
-1000	-10	8000	+10	30000	XXX
0	+10	10000	+10	32000	XXX
500	+10	12000	+10	35000	XXX
1000	+10	14000	+10	40000	XXX
1500	+10	15000	XXX	45000	XXX
2000	+10	16000	+10	50000	XXX
3000	+10	18000	+20	55000	XXX
4000	+10	20000	+20	60000	XXX
5000	XXX	22000	XXX	70000	XXX
6000	+10	25000	XXX	80000	XXX

Form PAF-019 (07/16) Revision Status (Original)