airworthiness

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION—FEDERAL AVIATION ADMINISTRATION

STANDARD AIRWORTHINESS CERTIFICATE

1. NATIONALITY AND REGISTRATION MARKS	2. MANUFACTURER AND MODEL	3. AIRCRAFT SERIAL NUMBER	4. CATEGORY
N72MZ	Diamond Aircraft Industries Inc. Model DA 40	40.716	Normal Utility

5. AUTHORITY AND BASIS FOR ISSUANCE

This airworthiness certificate is issued pursuant to the Federal Aviation Act of 1958 and certifies that, as of the date of issuance, the aircraft to which issued has been inspected and found to conform to the type certificate therefor, to be in condition for safe operation, and has been shown to meet the requirements of the applicable comprehensive and detailed airworthiness code as provided by Annex 8 to the Convention on International Civil Aviation, except as noted herein.

Exceptions:

None

6. TERMS AND CONDITIONS

Unless sooner surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator, this airworthiness certificate is effective as long as the maintenance, preventative maintenance, and alterations are performed in accordance with Parts 21, 43, and 91 of the Federal Aviation Regulations, as appropriate and the aircraft is registered in the United States.

DATE OF ISSUANCE	FAA REPRESENTATIVE	DESIGNATION NUMBER
DEC 0 6 2006	Gregg A. Behonick	NE-MIDO-46

Any alteration, reproduction, or misuse of this certificate may be punishable by a fine not exceeding $1,000, or imprisonment not exceeding 3 years, or both. THIS CERTIFICATE MUST BE DISPLAYED IN THE AIRCRAFT IN ACCORDANCE WITH APPLICABLE FEDERAL AVIATION REGULATIONS.

FAA Form 8100-2 (8-82)

U.S. GPO-2001 - 668-455

AIRCRAFT

1. Nationality and Registration: N72MZ
2. Manufacturer's Designation: DA 40
3. Manufacturer's Serial Number: 40.716
4. Type Approval or Specification Number: A-224/A47CE
5. Date of Manufacture: 2006
6. Aircraft Inspection Cycle:

AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD
	HRS.	MIN.	HRS.	MIN.	NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COM
BROUGHT FORWARD			4.	5	

Diamond

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

I HEREBY CERTIFY THAT THIS AIRCRAFT CONFORMS TO THE APPROVED TYPE DESIGN DATA AND IS IN A FIT AND SAFE STATE FOR FLIGHT.

DATE: NOV 3 0 2006

INSPECTOR: Jan M. Rolland

JET CI

ROGUE VALLEY

MEDFORD

(541) 770-53

Airframe

1) Complied with a
2) Adjusted main d
3) Installed new pito
4) Sealed both Comm
5) Accomplished AD
6) Service Bulletin MS
7) Service Bulletin MSB
8) Service Bulletin MSB
9) Service Bulletin MSB
10) Service Bulletin MSB
11) Service Bulletin MSB 40
12) Service Bulletin MSB 40-
13) Service Bulletin MSB 40-
14) Service Bulletin MSB 40-0
15) AD 2006-23-04 on Garmin
16) AD 2006-05-05 on MT-Prop
17) AD 2006-06-16 on engine cra
18) Installed new rivets on nose w
19) AD 2006-20-09 on engines fou

The component(s) identified above was inspe
return to service. Pertinent details on file at th

Richard T. Fontes

CARRIED FORWARD

INSPECTION, REPAIRS & REPLACEMENT ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER
	James M. Rolland	DA Q 23

Diamond

U.S. Standard Airworthiness Certificate, issued:

(Date) DEC 0 6 2006 ,has been installed in the aircraft on behalf of NE-MIDO-46 on:

(Date) DEC 0 6 2006

(Print) R. Salton (Signature) R Salton

DEPARTMENT OF TRANSPORT MINISTÈRE DES TRANSPORTS
Délégué de l'Aviation civile
Canada
0363
Civil Aviation Delegate

JET CENTER MFR

ROGUE VALLEY INTERNATIONAL AIRPORT #17
MEDFORD, OREGON 97504
(541) 770-5314 CRS: GCPR185E

Airframe Log Entry **N72MZ**

Date: 5-11-07
Total Time: 55.4
Tach: 55.4
Hobbs: 76.7

1) Complied with a 25 Hr. / 50 Hr. Inspection.
2) Adjusted main door latch switch for door close light, ops checked ok.
3) Installed new pitot mast. (1ea. DA4-3417-10-00-2), checked good.
4) Sealed both Comm antennas with DC730 sealant.
5) Accomplished AD 2006-12-07 on ECI cylinders found not applicable per par (f).
6) Service Bulletin MSB 40-030 3 found not applicable per s/n.
7) Service Bulletin MSB 40-02 found not applicable per s/n.
8) Service Bulletin MSB 40-007 4 found not applicable per s/n.
9) Service Bulletin MSB 40-012 found not applicable per s/n.
10) Service Bulletin MSB 40-018 2 found not applicable per s/n.
11) Service Bulletin MSB 40-026 1 found not applicable per s/n.
12) Service Bulletin MSB 40-044 1 found not applicable per s/n.
13) Service Bulletin MSB 40-046 1 on nose gear inspection. next due at **255.4** TT...
14) Service Bulletin MSB 40-033 found not applicable per type exhaust installed.
15) AD 2006-23-04 on Garmin G1000 aircraft found not applicable per s/n.
16) AD 2006-05-05 on MT-Propellers found not applicable per date of Mfr. and s/n.
17) AD 2006-06-16 on engine crankshafts found not applicable per engine model (IO-360-M1A).
18) Installed new rivets on nose wheel fairing. (2ea. PAD25-M5ABS-2.5x11.3).
19) AD 2006-20-09 on engines found not applicable per model. (IO-360-M1A).

The component(s) identified above was inspected and repaired in accordance with current FARs and was found airworthy and is approved for return to service. Pertinent details on file at this agency under work order no. 21873.

Richard T. Fontes Richard T. Fontes

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

JET CENTER MFR

ROGUE VALLEY INTERNATIONAL AIRPORT #17
MEDFORD, OREGON 97504
(541)770-5314 CRS: GCPR185E
Airframe Log Entry **N72MZ**

Date: 5-30-07
Total Time: 57.1
Tach: 57.1
Hobbs: 79.6

1) Installed new configuration module, (1ea. 011-00979-00).
2) Installed new GRS77, AHNS unit, (1ea. 010-00295-10, s/n 42006353).
3) Accomplished GNS calibrations as required, AHRS / HDG ground tested normal.

The component(s) identified above was inspected and repaired in accordance with current FARs and was found airworthy and is approved for return to service. Pertinent details on file at this agency under work order no. 21922.

Richard T. Fontes Richard T. Fontes

JET CENTER MFR

ROGUE VALLEY INTERNATIONAL AIRPORT #17
MEDFORD, OREGON 97504
(541)770-5314 CRS: GCPR185E
Airframe Log Entry **N72MZ**

Date: 6-22-07
Total Time: unk
Tach: unk
Hobbs: 101.0

1) Program PDF for extended range tank system.
2) Adjusted door warring system as required.
3) Reloaded GDL weather info as required.

The component(s) identified above was inspected and repaired in accordance with current FARs and was found airworthy and is approved for return to service. Pertinent details on file at this agency under work order no. 22039.

Richard T. Fontes Richard T. Fontes

JET CENTER MFR

ROGUE VALLEY INTERNATIONAL AIRPORT #17
MEDFORD, OREGON 97504
(541)770-5314 CRS: GCPR185E
Airframe Log Entry **N72MZ**

Date: 12-12-07
Total 133.8
Tach: 133.8
Hobbs: 176.3

1) Installed new nose gear anti-chaffing tape as required.
2) Installed new main wheel fairings per MM chapter 32-10, (1ea. D41-3213-92-00X01 and D41-3213-91-00X01fairings).
3) Installed new top Antenna, (1ea. DMC63-1/A, s/n 42605), per MM chapter 23-10-00.
4) Installed new bottom antenna, (1ea. DMC96-2, s/n 19654), per MM chapter 23-10-00.

The component(s) identified above was inspected and repaired in accordance with current FARs and was found airworthy and is approved for return to service. Pertinent details on file at this agency under work order no. 22256.

Richard T. Fontes Richard T. Fontes

JET CENTER MFR

ROGUE VALLEY INTERNATIONAL AIRPORT #17
MEDFORD, OREGON 97504
(541)770-5314 CRS: GCPR185E
Airframe Log Entry **N72MZ**

1) Complied with a 50/100Hr. / Annual Inspection in acc
2) Accomplished SB-04-057 on take off weight increase diameter. New weight and balance report was placed
3) Accomplished Garmin SB 0738 rev "B" on transient
4) Repaired passenger map light switch, ops tested good.
5) Accomplished FAR91.207 (d) ELT inspection and tes
6) Installed new right aileron hinge cover cap, (1ea. 320
7) Installed new left and right main tires, (2ea. 156E61-
8) Installed new emergency battery, (1ea. D41-2560-93-
9) Repaired ELT wiring as required, ops tested with no
10) Rigged elevator per MM chapter 27-30-00.
11) Accomplished AD 2002-26-01 on fuel line inspectio
12) Accomplished Garmin G1000 continued airworthy it

The component(s) identified above was inspected and repa return to service. Pertinent details on file at this agency u

Gary N Hudnall Jr.

1) Installed new Co-pilot side DV Panel La

The aircraft, airframe, aircraft engine, appliance ide the Federal Aviation Regulations and is approved f Work Order No. SH-07-0883 Date: 10/29/2007.

Signed Damon May for

Superior Aircraft Maintenance CRS# XUPR 696 2070 Milligan Way, Medford, Oregon 97504

JET CENTER MFR

ROGUE VALLEY INTERNATIONAL AIRPORT #17
MEDFORD, OREGON 97504
(541)770-5314 CRS: GCPR185E
Airframe Log Entry **N72M**

1) Installed new Tinted Canopy, (1ea. DA4-521
2) Accomplished Service Letter SI 40-061 on G
3) Accomplished Service Letter SI 40-064 on G

The component(s) identified above was inspected a return to service. Pertinent details on file at this ag

Richard T. Fontes Richard

JET CENTER MFR

ROGUE VALLEY INTERNATIONAL AIRPORT #17
MEDFORD, OREGON 97504
(541)770-5314 CRS: GCPR185E
Airframe Log Entry N72MZ

Date: 1-10-08
Total 133.8
Tach: 133.8
Hobbs: 176.3

1) Complied with a 50/100Hr. / Annual Inspection in accordance with FAR 43 Appendix D.
2) Accomplished SB-04-057 on take off weight increase per work instruction WI-OSB-04-057, new up stop bushing required was 28mm diameter. New weight and balance report was placed in aircraft Flight Manual. New max ramp weight: **2646 lb**, New useful load: **841.0 lb**.
3) Accomplished Garmin SB 0738 rev "B" on transient voltage suppressor change, (5ea. 704-15K36).
4) Repaired passenger map light switch, ops tested good.
5) Accomplished FAR91.207 (d) ELT inspection and test.
6) Installed new right aileron hinge cover cap, (1ea. 320GL10).
7) Installed new left and right main tires, (2ea. 156E61-3, s/n L/H 72820089 and R/H 72810495).
8) Installed new emergency battery, (1ea. D41-2560-93-00, s/n 07-327-9517).
9) Repaired ELT wiring as required, ops tested with no problems noted.
10) Rigged elevator per MM chapter 27-30-00.
11) Accomplished AD 2002-26-01 on fuel line inspection per SB number 342E, next due **233.8 TT** or by **1/2009**.
12) Accomplished Garmin G1000 continued airworthy items as required, no problems noted at this time.

The component(s) identified above was inspected and repaired in accordance with current FARs and was found airworthy and is approved for return to service. Pertinent details on file at this agency under work order no. 22550.

Gary N Hudnall Jr.

SUPERIOR AIRCRAFT MAINTENANCE, INC.

2070 Milligan Way
Medford, Oregon 97504
(541) 772-5660
Airframe Log Entry
N72MZ

Date: 10-29-07
Total Time: 132.4
Tach: 132.4
Hobbs: 174.2

1) Installed new Co-pilot side DV Panel Latch p/n: 301.25.4112 I.A.W. Diamond DA-40 M.M. 56-00-00. Ops. check good.

The aircraft, airframe, aircraft engine, appliance identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair are on file at this repair station under Work Order No. SH-07-0883 Date: 10/29/2007.

Signed Damon May
for
Superior Aircraft Maintenance CRS# XUPR 696 U
2070 Milligan Way, Medford, Oregon 97504

JET CENTER MFR

ROGUE VALLEY INTERNATIONAL AIRPORT #17
MEDFORD, OREGON 97504
(541)770-5314 CRS: GCPR185E
Airframe Log Entry N72MZ

Date: 1-29-08
Total 137.5
Tach: 137.5
Hobbs: 181.9

1) Installed new Tinted Canopy, (1ea. DA4-5210-20-51-GS), per MM chapter 56-10-00.
2) Accomplished Service Letter SI 40-061 on Garmin SB # 0735 (on GRS 77 AHRS mod 1), (1ea. 011-00868-10, s/n 42000984).
3) Accomplished Service Letter SI 40-064 on Garmin SB # 0739 (on G1000 Phase 6 update to version 0369).

The component(s) identified above was inspected and repaired in accordance with current FARs and was found airworthy and is approved for return to service. Pertinent details on file at this agency under work order no. 22632.

Richard T. Fontes

JET CENTER MFR

ROGUE VALLEY INTERNATIONAL AIRPORT #17
MEDFORD, OREGON 97504
(541)770-5314 CRS: GCPR185E

Airframe Log Entry **N72MZ**

Date: 3-19-08
Total 154.4
Tach: 154.4
Hobbs: 203.1

1) Accomplished AD 2008-06-51 on fuel injector hex plug inspection per SB # PRS107R1, next due at **204.4 TT** or next **oil change**.

The component(s) identified above was inspected and repaired in accordance with current FARs and was found airworthy and is approved for return to service. Pertinent details on file at this agency under work order no. 22869.

Richard T. Fontes Richard T. Fontes

JET CENTER MFR

ROGUE VALLEY INTERNATIONAL AIRPORT #17
MEDFORD, OREGON 97504
(541)770-5314 CRS: GCPR185E

Airframe Log Entry **N72MZ**

Date: 4-4-08
Total: 155.9
Tach: 155.9
Hobbs: 205.0

1) SL #72 on Airborne vacuum pumps is not applicable, no engine driven pumps installed.
2) Accomplished G-1000 Nav data update as required.
3) Service all tires to proper pressure per POH.

The component(s) identified above was inspected and repaired in accordance with current FARs and was found airworthy and is approved for return to service. Pertinent details on file at this agency under work order no. 22925.

Richard T. Fontes Richard T. Fontes

JET CENTER MFR

ROGUE VALLEY INTERNATIONAL AIRPORT #17
MEDFORD, OREGON 97504
(541)770-5314 CRS: GCPR185E

Airframe Log Entry **N72MZ**

Date: 8-1-08
Total: unk
Tach: unk
Hobbs: 266.7

1) Installed overhauled GRS 77 unit, (1ea. 011-00868-10, s/n 42006691) and upgraded software, system ops tested good on the ground with no problems noted.

The component(s) identified above was inspected and repaired in accordance with current FARs and was found airworthy and is approved for return to service. Pertinent details on file at this agency under work order no. 23327.

Richard T. Fontes Richard T. Fontes

JET CENTER MFR

ROGUE VALLEY INTERNATIONAL AIRPORT #17
MEDFORD, OREGON 97504
(541) 770-5314 CRS: GCPR185E

Airframe Log Entry N72MZ

Date: 10-21-08
Total: 236.7
Tach: 236.7
Hobbs: 299.5

1) Reattached canopy outer latch handle per Diamond Tech support as required.
2) Installed new right Nav light lamp, (1ea. 30-0428020-65 lamp).
3) Installed new attach screw for nose wheel fairing assembly.

The component(s) identified above was inspected and repaired in accordance with current FARs and was found airworthy and is approved for return to service. Pertinent details on file at this agency under work order no. 23522.

Richard T. Fontes Richard T. Fontes

SUPERIOR AIRCRAFT MAINTENANCE, INC.

2070 Milligan Way
Medford, Oregon 97504
(541) 772-5660

Airframe Log Entry
N72MZ

Date: 2-23-09
Total Time: 262.6
Tach: 262.6
Hobbs: 329.4

1) Complied with 50/100Hr. / Annual Inspection I.A.W. FAR appendix D with reference to Diamond DA40 M.M. 5-20 (annual check list).
2) Performed AD research thru bi-weekly 2009-04, see AD listing for AD's.
3) Complied with FAR 91.207(d), ELT Test and Inspection. No discrepancies noted.
4) Complied with AD 2007-17-06, dated 8/10/2007, I.A.W. MSB D4-046/1. Due next inspection 2/23/2010 or 462.6 ACTT whichever occurs first.
5) Fabricated and installed new exhaust hanger per dimensions and material specified in Power Flow Systems, Inc. exhaust STC# SA03281AT KIT-PFS-15103 ICA.
6) Installed new ELT Batteries (8 each p/n: MN1300) per Diamond DA40 M.M. 25-60-00 and Manufacturers instructions. Batteries due replacement 2/2014.
7) Performed G1000 Lighting Protection Visual Inspection per G1000 / GFC 700 System Maintenance Manual par. 4.2. No discrepancies noted.
8) Performed G1000 System Flap Discrete Function Test I.A.W. G1000 / GFC 700 System Maintenance Manual par. 4.8. No discrepancies noted.
9) Performed G1000 System Visual Inspection I.A.W. G1000 / GFC 700 System Maintenance Manual par. 4.2. No discrepancies noted.
10) Performed GFC 700 AFCS Visual Inspection I.A.W. G1000 / GFC 700 System Maintenance Manual par. 4.2. No discrepancies noted.
11) Performed GSM 85 Pitch, Roll and Pitch Trim Servo Clutch Torque Check per Garmin installation drawings 005-00336-17, -18 and -19. No discrepancies noted.
12) Installed (5 each) new Screws p/n: ISO738M5X16A2 in R/H Front Seat Access Panel I.A.W. Diamond DA40 M.M. 25-00-00.
13) Performed FAR 91.411 Altimeter System Test and Inspection per FAR 43 appendix E on Pilot's ADC s/n: 47807256, and Standby Altimeter s/n: 456115.
14) Performed FAR 91.413 Transponder Test and Inspection per FAR 43 appendix F on Transponder s/n: 89103256.
15)

The aircraft, airframe, aircraft engine, appliance identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair are on file at this repair station under Work Order No. SH-09-1264 Date: 2/23/2009.

Signed Damon May
for
Superior Aircraft Maintenance CRS# XUPR 696 U
2070 Milligan Way, Medford, Oregon 97504

I certify that the altimeter(s) and static system(s) test Required by FAR 91.411 have been performed and Meet the criteria in FAR Part 43 appendix E. The Altimeter(s) were tested to 20,000feet on 2/23/2009
#1 ADC serial number 47807256
Standby Altimeter serial number 456115

Signature Damon May
CRS# XUPR696U
Superior Aircraft Maintenance
2070 Milligan Way
Medford, OR. 97504

I certify that the Transponder(s) Serial Number 89103256 Systems have been tested in accordance with FAR 91.413 And meets the requirements of FAR Part 43 appendix F and Current advisory circulars. Records on file under SO# SH-09-1264 Date 2/23/2009 Signature Damon May

CRS# XUPR696U
Superior Aircraft Maintenance
2070 Milligan Way
Medford, OR. 97504

SUPERIOR AIRCRAFT MAINTENANCE, INC.

2070 Milligan Way
Medford, Oregon 97504
(541) 772-5660

Airframe Maintenance Record
N72MZ

Date:	7-02-09
Total Time:	294.9
Tach:	294.9
Hobbs:	366.7

1) Installed new Main Aircraft Battery p/n: RG24-15M, s/n: 40302030 I.A.W. DA40 M.M. 24-00-00.

The aircraft, airframe, aircraft engine, appliance identified above was repaired and / or inspected in accordance with current maintenance rules of the Federal Aviation Regulations and was found airworthy and is approved for return to service. Pertinent details of the repair are on file at this repair station under Work Order No. AV-09-0323 Date: 7/02/2009

Signed Damon May for

Superior Aircraft Maintenance CRS# XUPR 696 U
2070 Milligan Way, Medford, Oregon 97504

SOUTHWEST FLIGHT CENTER

N72MZ **07-28-10** **TIS-351.1**
DA40 S/N-40.0716 **ACTT-351.1**

Performed a **50,100Hr,Annual Inspection** I/A/W SWFC Inspection Checklist,FAR 43 Appendix D, DA40 AMM,And Using DA40 Annual Checklist As A Guide. Replaced Lt. Main Tire. Installed Condor 6.00x6x6Pr.Cleaned,Inspected,Repacked Main And Nose Wheel Bearings,,Reattached Front Canopy Outside Latch Handle, Replaced Lt. / Rt. Brake Pads Installed P/N- 066-14100 Pads. Inspected Elt I/A/W CFR 91.207 (d) No Discrepancies, Battery **Due Change 2-2014.** Replaced Emergency Battery P/N-D41-2560-93-00 **Next Due Replacement-07-2012.**

C/W The Following Recurring Ad's **AD-09-07-14 Wing Spar Void Test. Per. MSB-40-060.** No Discrepancies Noted. Submitted Report. **AD-09-10-04 Nose Gear Inspection** Per MSB-D4-046/1 No Defects. **Due 7-28-11 / ACTT-551.1.** AD's Checked Thru. **Rev. 2010-14.**

I Certify That This **Aircraft** Was Inspected I/A/W A **50/100Hr/Annual Inspection** And Was Determined To Be In **Airworthy Condition.**

Sign George Encinas **Print** George A. Encinas
Cert. AP1379369IA

SCOTTSDALE AIRPORT (480-991-2880)

CARRIED FORWARD

ENGIN

ENTRI

FAA APP
2006 F

N72MZ
6-30-11
Maintenance performed:
- Complied with **AD 2010-25-01** bracket, P/N DA4-5200-00-69-S procedures.

I certify that only the work requested accordance with current Federal Aviati of the repair are on file at this agency u

LEA
LEA I
LEADING E
2010 PALOMA
HAN
CARLSBAD,
(760) 931-8585

TACH: 508.7

AN **ANNUAL INSPECTION** WAS C
DIAMOND DA40 INSPECTION CH
ACCOMPLISHED: AIRCRAFT LUB
STRAINERS. REPLACED RIGHT M
P/N 33031, S/N B5F43710.
- INSPECTED THE ELT IN
91.207(d).

NEW AIRWORTHINESS DIRECTIV
RECURRING AD LISTING, SEE LO

AD	DESCRIPTION
2009-10-04	NOSE GEAR LE

- AIRWORTHINESS DIR

THIS DIAMOND DA40, S/N 40.716
AND WAS DETERMINED TO BE I
SERVICE...END.

WORK ORDER # **72MZ071211**. TH

I certify that the Altimeter, Automatic Static Systems and ATC Transponder by **FAR 91.411 & 91.413(a)** have bee comply with **FAR 43, Appendix E&**
Altimeter S/N PFD(P) Rec. in a/c SB(CP)
Encoder S/N Rec. in a/c Transp
Work Order# 57890; 5788
Date: 08/17/2011 Signature
Instrument Overhaul Service of San
1981 N. Marshall Ave, El Cajon, CA
Phone # (619) 449-5565 ***FAA CERT#***

ENTRI

CROWNAIR – CRQ
FAA APPROVED REPAIR STATION #QQ9R189B
2006 PALOMAR AIRPORT RD., SUITE 101
CARLSBAD, CA 92011

N72MZ — Diamond DA-40 — S/N: 40.716
6-30-11 — Hobbs: 622.2 Hrs — Tach: 508.3 Hrs

Maintenance performed:

- Complied with **AD 2010-25-01** by installing Diamond MSB 40-070 improved passenger door retaining bracket, P/N DA4-5200-00-69-SB and updating AFM with new "Rear Door Unlocked" emergency procedures.

I certify that only the work requested by the owner/operator and listed above was repaired and inspected in accordance with current Federal Aviation Regulations and was found to be airworthy for return to service. Details of the repair are on file at this agency under Work Order #AF-11-06320.

Authorized Representative

LEA, INC. DBA
LEADING EDGE AVIATION
2010 PALOMAR AIRPORT ROAD
HANGAR 6
CARLSBAD, CA 92011-4400
(760) 931-8565, FAX (760) 931-9328

Date 07/22/11
ATT 508.7
Model No. DA40
Serial No. 40.716
Registration No. N72MZ

TACH: 508.7

AN **ANNUAL INSPECTION** WAS COMPLETED ON THIS **AIRCRAFT**, DIAMOND DA40, S/N 40.716 I/A/W THE DIAMOND DA40 INSPECTION CHECKLIST AND FAR 43 APPENDIX D. THE FOLLOWING WORK WAS ALSO ACCOMPLISHED: AIRCRAFT LUBED AND SERVICED AS NECESSARY. CLEANED ALL FUEL SYSTEM STRAINERS. REPLACED RIGHT MAIN TIRE WITH P/N 33031, S/N B5E43710. REPLACED LEFT MAIN TIRE WITH P/N 33031, S/N B5F43710.

- INSPECTED THE ELT IN THIS AIRCRAFT AND FOUND THAT IT MEETS THE REQUIREMENTS OF FAR 91.207(d). **NEXT DUE: 7/2012**

NEW AIRWORTHINESS DIRECTIVES SINCE LAST ANNUAL INSPECTION: **NONE**
RECURRING AD LISTING, SEE LOGBOOK AD SECTION FOR 1-TIME AD COMPLIANCE LISTING:

AD	DESCRIPTION	COMPLIANCE	NEXT DUE
2009-10-04	NOSE GEAR LEG	C/W BY INSPECTION	ATT 708.7/ ANN

- AIRWORTHINESS DIRECTIVES WERE CHECKED THROUGH REVISION: 6/13/2011.

THIS DIAMOND DA40, S/N 40.716 HAS BEEN INSPECTED IN ACCORDANCE WITH AN **ANNUAL INSPECTION** AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION AND APPROVED FOR RETURN TO SERVICE...END.

WORK ORDER # **72MZ071211**. THOMAS R. SHAW Thomas R. Shaw FOR FAA CRS **LE6R154J**

I certify that the Altimeter, Automatic Pressure Altitude Reporting Static Systems and ATC Transponder test and Inspections required by **FAR 91.411 & 91.413(a)** have been performed and found to comply with **FAR 43, Appendix E&F** N# N72MZ
Altimeter S/N PFD(P)/SB(CP)/in A/C Tested to 20 000 Feet
Encoder S/N in A/C Transponder S/N in A/C
Work Order# 57890; 57889 SW VER N/A
Date: 08/17/2011 Signature

Instrument Overhaul Service of San Diego, CA, Inc.
1981 N. Marshall Ave, El Cajon, CA 92020
Phone # (619) 449-5565 ***FAA CERT# CB3R417L***

AIR TIME AND

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

LEA, INC. DBA
LEADING EDGE AVIATION
2010 PALOMAR AIRPORT ROAD
HANGAR 6
CARLSBAD, CA 92011-4400
(760) 931-8565, FAX (760) 931-9328

Date 08/13/12
ATT 629.1
Model No. DA40
Serial No. 40.716
Registration No. N72MZ

TACH: 629.1

AN **ANNUAL INSPECTION** WAS COMPLETED ON THIS **AIRCRAFT**, DIAMOND DA40, S/N 40.716 I/A/W THE DIAMOND DA40 INSPECTION CHECKLIST AND FAR 43 APPENDIX D. THE FOLLOWING WORK WAS ALSO ACCOMPLISHED: AIRCRAFT LUBED AND SERVICED AS NECESSARY. CLEANED ALL FUEL SYSTEM STRAINERS. COMPLIED WITH AD 2009-07-14 WING SPAR DELAMINATION PER MSB-40-060 AND DA40 M. M. 51-10-00. REPLACED LEFT BRAKE LININGS WITH P/N 066-14100.

- INSPECTED THE ELT IN THIS AIRCRAFT AND FOUND THAT IT MEETS THE REQUIREMENTS OF FAR 91.207(d). **NEXT DUE: 8/2013**

NEW AIRWORTHINESS DIRECTIVES SINCE LAST ANNUAL INSPECTION: **NONE**
RECURRING AD LISTING, SEE LOGBOOK AD SECTION FOR 1-TIME AD COMPLIANCE LISTING:

AD	DESCRIPTION	COMPLIANCE	NEXT DUE
2009-10-04	NOSE GEAR LEG	C/W BY INSPECTION	ATT 829.1/ ANN

- AIRWORTHINESS DIRECTIVES WERE CHECKED THROUGH REVISION: 7/13/2012.

THIS DIAMOND DA40, S/N 40.716 HAS BEEN INSPECTED IN ACCORDANCE WITH AN **ANNUAL INSPECTION** AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION AND APPROVED FOR RETURN TO SERVICE...END.

WORK ORDER # **72MZ080112**. THOMAS R. SHAW Thomas R. Shaw FOR FAA CRS **LE6R154J**

LEA, INC. DBA
LEADING EDGE AVIATION
2010 PALOMAR AIRPORT ROAD
HANGAR 6
CARLSBAD, CA 92011-4400
(760) 931-8565, FAX (760) 931-9328

Date 10/22/13
ATT 674.3
Model No. DA40
Serial No. 40.716
Registration No. N72MZ

TACH: 674.3

AN **ANNUAL INSPECTION** WAS COMPLETED ON THIS **AIRCRAFT**, DIAMOND DA40, S/N 40.716 I/A/W THE DIAMOND DA40 INSPECTION CHECKLIST AND FAR 43 APPENDIX D. THE FOLLOWING WORK WAS ALSO ACCOMPLISHED: AIRCRAFT LUBED AND SERVICED AS NECESSARY. CLEANED ALL FUEL SYSTEM STRAINERS. COMPLIED WITH AD 2009-07-14 WING SPAR DELAMINATION PER MSB-40-060 AND DA40 M. M. 51-10-00. REMOVED PROPELLER AND SENT TO TIFFIN AIRE INC, OHIO FOR OVERHAUL. INSTALLED OVERHAULED PROPELLER MOD. NO. MTV-12-B, S/N 061269. INSTALLED NEW WING ROOT SEALS P/N 1110762. RELPACED FUEL FILTER WITH P/N FIA375 AND O-RING P/N ORO375S.

- INSPECTED THE ELT IN THIS AIRCRAFT AND FOUND THAT IT MEETS THE REQUIREMENTS OF FAR 91.207(d). **NEXT DUE: 10/2014 ELT BATT. DUE: 3/2015**

NEW AIRWORTHINESS DIRECTIVES SINCE LAST ANNUAL INSPECTION: **NONE**
RECURRING AD LISTING, SEE LOGBOOK AD SECTION FOR 1-TIME AD COMPLIANCE LISTING:

AD	DESCRIPTION	COMPLIANCE	NEXT DUE
2009-10-04	NOSE GEAR LEG	C/W BY INSPECTION	ATT 829.1/ ANN

- AIRWORTHINESS DIRECTIVES WERE CHECKED THROUGH REVISION: 9/30/2013.

THIS DIAMOND DA40, S/N 40.716 HAS BEEN INSPECTED IN ACCORDANCE WITH AN **ANNUAL INSPECTION** AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION AND APPROVED FOR RETURN TO SERVICE...END.

WORK ORDER # **72MZ081313**. THOMAS R. SHAW Thomas R. Shaw FOR FAA CRS **LE6R154J**

CARRIED FORWARD

Make: DIAMOND AIRCRAFT IN
Model: DA 40
S/N: 40.716
N72MZ

I certi
and Inspections re

I certify that t

This Aircraft, Airframe, or appliance
Aviation Administration and Manufac

Neal Aviation
FAA Repair Station #NOER688Y
1860 Joe Crosson Dr.
El Cajon, CA 92020
Hanger I
619-663-1000 Date: 8

LEA

HOBBS: 892.4

AN **ANNUAL INSPECTIO**
DIAMOND DA40 INSPEC
ACCOMPLISHED: AIRCR
STRAINERS.

- INSPECTED THI 91.207(d).

NEW AIRWORTHINESS
AD **DESCR**
2014-13-08 AFT MA
RECURRING AD LISTING
AD **DESCR**
2009-10-04 NOSE G

- AIRWORTHINE

THIS DIAMOND DA40, S/
AND WAS DETERMINED
SERVICE...END.

WORK ORDER # **72MZ11**

ENGINEERING RECORD

ENTRI

LICENCE NUMBER

NEAL AVIATION
AVIONICS SALES, INSTALLATION & TROUBLESHOOTING

Make: DIAMOND AIRCRAFT IND INC
Model: DA 40
S/N: 40.716
N72MZ

August 15, 2013

I certify that the Altimeter Automatic Pressure Altitude Reporting and Static Systems Tests and Inspections required by FAR 91.411 have been performed and found to comply with FAR Part 43, Appendix E.

Altimeter tested to: 20,000
Pilot Altimeter S/N: 47807256
Standby Altimeter S/N: 456115

I certify that the ATC Transponder Tests and Inspections required by FAR 91.413 (a) have been performed and found to comply with FAR Part 43, Appendix F.

Transponder #1 S/N: 89103256

This Aircraft, Airframe, or appliance indemnified above has been repaired and or inspected in accordance with current Regulations of the Federal Aviation Administration and Manufacturer data and is approved to return to service

Neal Aviation
FAA Repair Station #NOER688Y
1860 Joe Crosson Dr.
El Cajon, CA 92020
Hanger I
619-663-1000

Date: 8/15/13 **Signature:**

LEA

LEA, INC. DBA
LEADING EDGE AVIATION
2010 PALOMAR AIRPORT ROAD
HANGAR 6
CARLSBAD, CA 92011-4400
(760) 931-8565, FAX (760) 931-9328

Date	*11/20/14*
ATT	892.4
Model No.	*DA40*
Serial No.	*40.716*
Registration No.	*N72MZ*

HOBBS: 892.4

AN **ANNUAL INSPECTION** WAS COMPLETED ON THIS **AIRCRAFT**, DIAMOND DA40, S/N 40.716 I/A/W THE DIAMOND DA40 INSPECTION CHECKLIST AND FAR 43 APPENDIX D. THE FOLLOWING WORK WAS ALSO ACCOMPLISHED: AIRCRAFT LUBED AND SERVICED AS NECESSARY. CLEANED ALL FUEL SYSTEM STRAINERS.

- INSPECTED THE ELT IN THIS AIRCRAFT AND FOUND THAT IT MEETS THE REQUIREMENTS OF FAR 91.207(d). **NEXT DUE: 11/2015 ELT BATT. DUE: 3/2015**

NEW AIRWORTHINESS DIRECTIVES SINCE LAST ANNUAL INSPECTION:

AD	DESCRIPTION	COMPLIANCE	NEXT DUE
2014-13-08	AFT MAIN SPAR	NOT DUE	ATT 2000/JAN 2023

RECURRING AD LISTING, SEE LOGBOOK AD SECTION FOR 1-TIME AD COMPLIANCE LISTING:

AD	DESCRIPTION	COMPLIANCE	NEXT DUE
2009-10-04	NOSE GEAR LEG	C/W BY INSPECTION	**ATT 1092.4/ ANN**

- AIRWORTHINESS DIRECTIVES WERE CHECKED THROUGH REVISION: 11/14/2014.

THIS DIAMOND DA40, S/N 40.716 HAS BEEN INSPECTED IN ACCORDANCE WITH AN **ANNUAL INSPECTION** AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION AND APPROVED FOR RETURN TO SERVICE...END.

Thomas R. Shaw

WORK ORDER # **72MZ111714**. THOMAS R. SHAW FOR FAA CRS **LE6R154J**

AIR TIME AND

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

LEA, INC. DBA
LEADING EDGE AVIATION
2010 PALOMAR AIRPORT ROAD
HANGAR 6
CARLSBAD, CA 92011-4400
(760) 931-8585, FAX (760) 931-9328

Date 12/29/14
ATT 0899.2
Model No. DA40
Serial No. 40.716
Registration No. N72MZ

TACH: 0899.2

ALL WORK PERFORMED IAW DIAMOND SERVICE MANUAL. REPLACED LEFT TIRE WITH NEW AIRHAWK 15X6 TIRE P/N 33031, S/N B5F43614 AND 15X6 TUBE.....END

WORK ORDER # **72MZ122914**. THOMAS R. SHAW

FOR FAA CRS **LE6R154J**

LEA, INC. DBA
LEADING EDGE AVIATION
2010 PALOMAR AIRPORT ROAD
HANGAR 6
CARLSBAD, CA 92011-4400
(760) 931-8585, FAX (760) 931-9328

Date 10/8/15
ATT 0941.6
Model No. DA40
Serial No. 40.716
Registration No. N72MZ

TACH: 0941.6

ALL WORK PERFORMED IAW DIAMOND SERVICE MANUAL. REPLACED AIRCRAFT BATTERY WITH NEW CONCORDE RG24-15M, S/N 40762979.....END

WORK ORDER # **72MZ100715**. THOMAS R. SHAW

FOR FAA CRS **LE6R154J**

CARRIED FORWARD

NE
REC
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2014-
2009-
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AND W
SERVICE
WORK OR

1. Replaced wing seals P/N 1
2. Replaced fuel plackards P/N
3. Replaced LH and RH foot ste
4. Replaced hardware for landir
5. Replaced all strip decals.
6. Replaced nose elastomer elen

1. Garmin SB 0919A (G1000 system s

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

LEA, INC. DBA
LEADING EDGE AVIATION
2010 PALOMAR AIRPORT ROAD
HANGAR 6
CARLSBAD, CA 92011-4400
(760) 931-8565, FAX (760) 931-9328

Date *10/6/16*
ATT 941.6
Model No. *DA40*
Serial No. *40.716*
Registration No. *N72MZ*

HOBBS: 941.6

AN **ANNUAL INSPECTION** WAS COMPLETED ON THIS **AIRCRAFT**, DIAMOND DA40, S/N 40.716 I/A/W THE DIAMOND DA40 INSPECTION CHECKLIST AND FAR 43 APPENDIX D. THE FOLLOWING WORK WAS ALSO ACCOMPLISHED: AIRCRAFT LUBED AND SERVICED AS NECESSARY. CLEANED ALL FUEL SYSTEM STRAINERS. REPLACED RIGHT TIRE WITH NEW AIRHAWK 15X6.00 TIRE P/N 33031, S/N B5E43316. REPLACED NOSE TIRE WITH 5.00X5 AIRHAWK TIRE P/N 30842, S/N B3D42516. INSTALLED NEW MUFFLER EXHAUST INSERT P/N PFS-8016, S/N 16-0658. REPLACED ELT BATTERIES WITH P/N MN1300.

- INSPECTED THE ELT IN THIS AIRCRAFT AND FOUND THAT IT MEETS THE REQUIREMENTS OF FAR 91.207(d). **NEXT DUE: 10/2017 ELT BATT. DUE: 10/2018**

NEW AIRWORTHINESS DIRECTIVES SINCE LAST ANNUAL INSPECTION: NONE
RECURRING AD LISTING, SEE LOGBOOK AD SECTION FOR 1-TIME AD COMPLIANCE LISTING:

AD	DESCRIPTION	COMPLIANCE	NEXT DUE
2014-13-08	AFT MAIN SPAR	NOT DUE	ATT 2000/JAN 2023
2009-10-04	NOSE GEAR LEG	C/W BY INSPECTION	ATT 1141.6/ ANN

- AIRWORTHINESS DIRECTIVES WERE CHECKED THROUGH REVISION: 9/26/2016.

THIS DIAMOND DA40, S/N 40.716 HAS BEEN INSPECTED IN ACCORDANCE WITH AN **ANNUAL INSPECTION** AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION AND APPROVED FOR RETURN TO SERVICE...END. Thomas R. Sha

WORK ORDER # **72MZ092916**. THOMAS R. SHAW FOR FAA CRS **LE6R154J**

MX Aero Global LLC
2901A E. Spring St. Long Beach, CA 90806
Main: 562.366.4806
Cell: 562.881.5345

Date: 7/17/17 N72MZ S/N: 40.716
Total Time: 793.8 Tach: 793.8 Hobbs: 945.3

1. Replaced wing seals P/N 1110762.
2. Replaced fuel plackards P/N D41-112710-22.
3. Replaced LH and RH foot step pads.
4. Replaced hardware for landing light.
5. Replaced all strip decals.
6. Replaced nose elastomer elements P/N DA4-9032-23-02 and DA4-9032-23-01.

Authorized Signature _____
Stanley Jijawi AP3704706

MX Aero Global LLC
2901A E. Spring St. Long Beach, CA 90806
Main: 562.366.4806
Cell: 562.881.5345

Date: 7/18/17 N72MZ S/N: 40.716
Total Time: 793.8 Hobbs: 945.3

1. Garmin SB 0919A (G1000 system software) updated to 321.22 IAW Garmin Field Update Instructions.

Authorized Signature _____
David Seastead AP3492477 IA

AIR TIME

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

LEA, INC. DBA
LEADING EDGE AVIATION
2010 PALOMAR AIRPORT ROAD
HANGAR 6
CARLSBAD, CA 92011-4400
(760) 931-8565, FAX (760) 931-9328

Date	*1/19/18*
ATT	953.4
Model No.	*DA40*
Serial No.	*40.716*
Registration No.	*N72MZ*

HOBBS: 953.4

AN **ANNUAL INSPECTION** WAS COMPLETED ON THIS **AIRCRAFT**, DIAMOND DA40, S/N 40.716 I/A/W THE DIAMOND DA40 INSPECTION CHECKLIST AND FAR 43 APPENDIX D. THE FOLLOWING WORK WAS ALSO ACCOMPLISHED: AIRCRAFT LUBED AND SERVICED AS NECESSARY. CLEANED ALL FUEL SYSTEM STRAINERS. INSTALLED NEW OIL PRESSURE SWITCH P/N 0-986-344-077, S/N RC1802736(1).

- INSPECTED THE ELT IN THIS AIRCRAFT AND FOUND THAT IT MEETS THE REQUIREMENTS OF FAR 91.207(d). **NEXT DUE: 1/2019 ELT BATT. DUE: 10/2018**

NEW AIRWORTHINESS DIRECTIVES SINCE LAST ANNUAL INSPECTION: NONE
RECURRING AD LISTING, SEE LOGBOOK AD SECTION FOR 1-TIME AD COMPLIANCE LISTING:

AD	DESCRIPTION	COMPLIANCE	NEXT DUE
2014-13-08	AFT MAIN SPAR	NOT DUE	ATT 2000/JAN 2023
2009-10-04	NOSE GEAR LEG	C/W BY INSPECTION	ATT 1141.6/ ANN

- AIRWORTHINESS DIRECTIVES WERE CHECKED THROUGH REVISION: 1/3/2018.

THIS DIAMOND DA40, S/N 40.716 HAS BEEN INSPECTED IN ACCORDANCE WITH AN **ANNUAL INSPECTION** AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION AND APPROVED FOR RETURN TO SERVICE...END.

Thomas R. Shaw

WORK ORDER # **72MZ010318**. THOMAS R. SHAW FOR FAA CRS **LE6R154J**

I certify that the Altimeter, Automatic Pressure Altitude Reporting Static Systems and ATC Transponder test and Inspections required by **FAR 91.411 & 91.413(a)** have been performed and found to comply with **FAR 43, Appendix E&F** N# 72 MZ
Altimeter S/N PDE 1040C) STB 456115 Tested to 20,000 Feet
Encoder S/N IN A/C Transponder S/N IN A/C
Work Order# 70624, 70627 SW VER 81/A
Date: 1-29-2018 Signature Edward Hollyer
Instrument Overhaul Service of San Diego, CA, Inc.
1981 N. Marshall Ave, El Cajon, CA 92020
Phone # (619) 449-5565 ***FAA CERT# CB3R417L***

CARRIED FORWARD

EN

INSPECTION, RE
ENTRIES, DRAW A DIAGONAL LINE THROUG

LEA
2010 P
CA
(760) 9

HOBBS: 1031.8

AN **ANNUAL INSPECTION W**
DIAMOND DA40 INSPECTION
ACCOMPLISHED: AIRCRAFT
STRAINERS. INSTALLED NE
P/N MN1300.

- INSPECTED THE EL
91.207(d).

NEW AIRWORTHINESS DIR
RECURRING AD LISTING, S

AD	DESCRIPT
2014-13-08	AFT MAIN
2009-10-04	NOSE GEA

- AIRWORTHINES

THIS DIAMOND DA40, S/N
AND WAS DETERMINED T
SERVICE...END.

WORK ORDER # **72MZ0207**

LEA
LE
2010 P
CA
(760) 9

HOBBS: 1078.3

AN **ANNUAL INSPECTION W**
APPENDIX D. THE FOLLOWI
NECESSARY. CLEANED ALL
INSTALLED 2EA NEW 15x6.0
P/N RG24-15M S/N 41105765.

- INSPECTED AND TE
ELT BATT. DUE: 3/

NEW AIRWORTHINESS DIRE
RECURRING AD LISTING, SE

AD	DESCRIPT
2014-13-08	AFT MAIN
2009-10-04	NOSE GEA

- AIRWORTHINESS

THIS DIAMOND DA40, S/N 4
AND WAS DETERMINED TO
SERVICE...END.

WORK ORDER # **72MZ09222**

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

LEA
2010 PALOMAR AIRPORT ROAD
HANGAR 6
CARLSBAD, CA 92011-4400
(760) 931-8565, FAX (760) 931-9328

Date *3/1/19*
ATT 1031.8
Model No. *DA40*
Serial No. *40.716*
Registration No. *N72MZ*

HOBBS: 1031.8

AN **ANNUAL INSPECTION** WAS COMPLETED ON THIS **AIRCRAFT**, DIAMOND DA40, S/N 40.716 I/A/W THE DIAMOND DA40 INSPECTION CHECKLIST AND FAR 43 APPENDIX D. THE FOLLOWING WORK WAS ALSO ACCOMPLISHED: AIRCRAFT LUBED AND SERVICED AS NECESSARY. CLEANED ALL FUEL SYSTEM STRAINERS. INSTALLED NEW FUEL FILTER P/N FIA375 AND O-RING P/N ORO375S. REPLACED ELT BATTERIES P/N MN1300.

- INSPECTED THE ELT IN THIS AIRCRAFT AND FOUND THAT IT MEETS THE REQUIREMENTS OF FAR 91.207(d). **NEXT DUE: 3/2020 ELT BATT. DUE: 3/2021**

NEW AIRWORTHINESS DIRECTIVES SINCE LAST ANNUAL INSPECTION: NONE
RECURRING AD LISTING, SEE LOGBOOK AD SECTION FOR 1-TIME AD COMPLIANCE LISTING:

AD	DESCRIPTION	COMPLIANCE	NEXT DUE
2014-13-08	AFT MAIN SPAR	NOT DUE	ATT 2000/JAN 2023
2009-10-04	NOSE GEAR LEG	C/W BY INSPECTION	ATT 1231.8/ ANN

- AIRWORTHINESS DIRECTIVES WERE CHECKED THROUGH REVISION: 2/6/2019.

THIS DIAMOND DA40, S/N 40.716 HAS BEEN INSPECTED IN ACCORDANCE WITH AN **ANNUAL INSPECTION** AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION AND APPROVED FOR RETURN TO SERVICE...END.

Thomas R. Shaw

WORK ORDER # **72MZ020719**. THOMAS R. SHAW FOR FAA CRS **LE6R154J**

LEA, INC. DBA
LEADING EDGE AVIATION
2010 PALOMAR AIRPORT ROAD
HANGAR 6
CARLSBAD, CA 92011-4400
(760) 931-8565, FAX (760) 931-9328

Date *11/03/20*
ATT 1078.3
Model No. *DA40*
Serial No. *40.716*
Registration No. *N72MZ*

HOBBS: 1078.3

AN **ANNUAL INSPECTION** WAS COMPLETED ON THIS **AIRCRAFT**, DIAMOND DA40, S/N 40.716 I/A/W FAR 43 APPENDIX D. THE FOLLOWING WORK WAS ALSO ACCOMPLISHED: AIRCRAFT LUBED AND SERVICED AS NECESSARY. CLEANED ALL FUEL SYSTEM STRAINERS. INSTALLED NEW FUEL FILTER O-RING P/N ORO375S. INSTALLED 2EA NEW 15x6.00-6 MAIN TIRES P/N 33031 S/N B5F43920. INSTALLED NEW CONCORDE BATTERY P/N RG24-15M S/N 41105765.

- INSPECTED AND TESTED ELT AS PER FAR 91.207(d). ALL FUNCTIONS NORMAL. **NEXT DUE: 10/2021 ELT BATT. DUE: 3/2021**

NEW AIRWORTHINESS DIRECTIVES SINCE LAST ANNUAL INSPECTION: **YES LOGS UPDATED**
RECURRING AD LISTING, SEE LOGBOOK AD SECTION FOR 1-TIME AD COMPLIANCE LISTING:

AD	DESCRIPTION	COMPLIANCE	NEXT DUE
2014-13-08	AFT MAIN SPAR	NOT DUE	ATT 2000/JAN 2023
2009-10-04	NOSE GEAR LEG	C/W BY INSPECTION	ATT 1278.3/ ANN

- AIRWORTHINESS DIRECTIVES WERE CHECKED THROUGH REVISION: **11/03/2020.**

THIS DIAMOND DA40, S/N 40.716 HAS BEEN INSPECTED IN ACCORDANCE WITH AN **ANNUAL INSPECTION** AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION AND APPROVED FOR RETURN TO SERVICE...END.

WORK ORDER # **72MZ092220**. ELENA M. SNOVER Elena M. Snover FOR FAA CRS **LE6R154J**

AIR TIME AT

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

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

MAKE: Diamond
MODEL: DA 40
S/N: 40.716
REG. NO: N72MZ
WORK ORDER: 20200921-4A

Hangar One Avionics
Repair Station No. 1HGR058B
2026 Palomar Airport Road
Carlsbad, CA 92011
Phone: 760-929-2270

DATE: 10/6/2020
A/C TSN:
HOBBS: 1077.7

Avionics Entries

Customer states that PFD is INOP. Gained access to PFD. Removed defective PFD P/N 011-00972-03 S/N 88902882 and sent to Garmin for repair. Received REPAIRED unit from Garmin(Ref. FAA Form 8130-3 Garmin RMA 127847058 dated 30 Sep 2020) same P/N and S/N. Installed PFD into the aircraft IAW Garmin G1000 Line Maintenance 190-00303-04. On ground operational check is satisfactory.

This aircraft, airframe, or appliance identified above has been repaired and/or inspected in accordance with current Regulations of the Federal Aviation Administration and Manufacturer data and is approved for return to service.

DATE: 10/6/2020 SIGNED:

Ken Piland
Certified Repair Station No. 1HGR058B

Work Order: 20200921-4A

Printed by EBis 3 (datcomedia.com)

MAKE: Diamond
MODEL: DA 40
S/N: 40.716
REG. NO: N72MZ
WORK ORDER: 20200921-4A

Hangar One Avionics
Repair Station No. 1HGR058B
2026 Palomar Airport Road
Carlsbad, CA 92011
Phone: 760-929-2270

DATE: 10/9/2020
A/C TSN:
HOBBS: 1077.7

Avionics Entries

Complied with Garmin Service Bulletin 0919 Rev.A to upgrade Garmin G1000 main software to version 0321.22. On ground operational check is satisfactory.

Customer requests update to all databases for G1000 system. Upgraded Garmin G1000 PFD and MFD databases to the most current level IAW Garmin G1000 System Maintenance Manual 190-00545-01. On ground operational check is satisfactory.

This aircraft, airframe, or appliance identified above has been repaired and/or inspected in accordance with current Regulations of the Federal Aviation Administration and Manufacturer data and is approved for return to service.

DATE: 10/9/2020 SIGNED:

Ken Piland
Certified Repair Station No. 1HGR058B

Work Order: 20200921-4A

Printed by EBis 3 (datcomedia.com)

CARRIED FORWARD

ENTRIES.

CRS# 137R23
19300 IKE JO
SANTA ANA,
United States
Telephone: 71

Registration #:

Part Number	S
011-00779-10 DMC63-1-A	
011-03303-41 CI-2580-200	

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Signed: RON FR

August 3, 2021

I certify that the altime
correspondence, requi

ADC Model:Garmin GI

Serial No. 47807256

The altimeter & ADC w
The transponder was t
Encoder data correspo

Details of the inspectio

August 3, 2021 Cert

REGISTRATION NOT TRANSFERABLE

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
CERTIFICATE OF AIRCRAFT REGISTRATION

This certificate must be in the aircraft when operated.

NATIONALITY AND REGISTRATION MARKS **N** 72MZ

AIRCRAFT SERIAL NO.
40.716

MANUFACTURER AND MANUFACTURER'S DESIGNATION OF AIRCRAFT
DIAMOND AIRCRAFT IND INC DA 40

ICAO Aircraft Address Code: 52321136

ISSUED TO

BUCKEYE AIRCRAFT HOLDINGS LLC
1371 W RAHN RD
DAYTON OH 45459-1431

LLC

This certificate is issued for registration purposes only and is not a certificate of title. The Federal Aviation Administration does not determine rights of ownership as between private persons.

It is certified that the above described aircraft has been entered on the register of the Federal Aviation Administration, United States of America, in accordance with the Convention on International Civil Aviation dated December 7, 1944, and with Title 49, United States Code, and regulations issued thereunder.

DATE OF ISSUE September 17, 2021
EXPIRATION DATE September 30, 2028

ACTING ADMINISTRATOR

U.S. Department of Transportation
Federal Aviation Administration

AC Form 8050-3 (10/2019) Supersedes previous editions

ENTRIES, D

SIGNATURE	LICENCE NUMBER

Airframe logbook entry for N72MZ S/N 40.716
7 February 2022 Tach = 77.1 AFTTIS = 1154.8
Completed routine annual inspection using Diamond DA-40 checklist. Serviced brakes, landing gear and lubed airframe. Inspected ELT IAW FAR 91.207(d) - sat, ELT battery due replacement March 2031.
Accomplished following items:

1. Installed new RA66-141 brake pads on right brake caliper.
2. Rotated L/R main tires.
3. Cleaned, inspected, and lubed all wheel bearings.
4. Retorqued main wheel axle retaining nuts on L/R mains.
5. Cleaned and lubed air filter.
6. Installed new fuel hose P/N AE3663162G0144 firewall to engine driven fuel pump.
7. Installed new Duracell 28L battery in ELT RCPI, due replacement Feb. 2029.
8. R/R Power Flow exhaust P/N PFS-43103 after repair and upgrading outer shroud to.

Page 1 of 2 (continued on next page)

Airframe logbook entry for N72MZ S/N 40.716
7 February 2022 Tach = 77.1 AFTTIS = 1154.8
Page 2 of 2 (continued from previous page)

9. Record search shows last known time was 1077.7 on 10/06/2020 during PFD change. Current tach must be added to 1077.7 to determine aircraft TTIS, engine TTIS and Prop TTIS. Prop TSMOH is 403.4 plus current tach.
10. Installed new Weldon fuel pump P/N 18002-B, S/N 22847.

AD's checked thru 2022-03. I certify that this aircraft was inspected in accordance with an Annual inspection and was found to be in an airworthy condition ready for return to service.

Brian S. Fisher AP3671341IA

Airframe logbook entry for N72MZ S/N 40.716
18 February 2022 Tach = 98.6
Installed Battery Minder interface kit P/N BM-AIK2A per Battery Minder instructions 752-647D. Operational check was normal

Brian S. Fisher AP3671341IA

Engine logbook entry for N72MZ
Lycoming M/N IO-360-M1A S/N L-33042-51A
12 May 2022 Tach = 137.5
Installed serviceable fuel pressure transducer P/N IPT-20R1-1000-100G. Run up and leak checks were normal

Brian S. Fisher AP3671341IA

LEADING EDGE AVIONICS

CRS# 137R236D
19300 IKE JONES RD.
SANTA ANA, California 92707
United States
Telephone: 714-955-6151

Log Book Entry

Work Order No: 5230

December 03, 2020

LICENCE NUMBER

Registration #: N72MZ Diamond DA40 Serial Number: 40716 **AcftTime:** 1,079.6 **Hobbs:** 1076.6

Part Number	Serial Number	Description
	Removed	
011-00779-10	SN: 89103256	GTX 33 REMOTE MODE S XPDR
DMC63-1-A	SN: 42605	COMM ANT
	Installed	
011-03303-41	SN: 3EH440443	GTX 345R GPS ADS-B TRANSPONDER
CI-2580-200	SN: 642956	COMDAT VHF/GPS WAAS

New Weight: 1,803.81
New CG/Arm: 98.24
New Moment: 177,201.94

3.1 Removed (1) existing Garmin GTX 33 Remote Transponder (XPDR) and installed (1) new GARMIN GTX 345R GPS/WAAS ADS-B 'IN/OUT' XPDR In Accordance With (IAW) Manufactures AML/STC SA01714WI and Installation Manual #190-00734-10 Rev 14. This aircraft is listed on the Approved Model List contained within STC SA01714WI.

The GARMIN GTX 345R XPDR is protected by removing an existing 5 Amp circuit breaker (CB) and replacing it with KLIXON (2TC2-3) 3 Amp powered by the aircraft's 'Essential Buss' located on the pilot's CB panel labeled "XPDR".

Removed (1) DMC63-1-A Comm Antenna and Replaced with (1) New COMDAT CI-2580-200 VHF / GPS Antenna IAW Manufactures AML/STC SA01714WI and Installation Manual # 190-00734-10 Rev 14.

Configured aircraft systems and paired GTX 345R with the existing Avidyne Traffic system for ADS-B "IN / OUT".

GPS keep alive installed as recommended to preserve internal GPS using an in-line 3 amp fuse connected directly to primary 'Battery' source and is located near battery compartment.

The GTX 345R XPDR has been tested and inspected and found to comply with FAR 91.413 IAW Appendix F of Part 43.

Performed Operation/Performance Checkout I.A.W with Manufactures AML/STC Install Manual # 190-00734-10 Rev 14. This installation meets FAR 91.225 and 91.227 which provides the ADS-B equipment requirements effective Jan. 1, 2020.

An Operator's Handbook/Guide (G1000 Interface) PN: 190-00303-00 Rev A dated Feb 2016 was provided to aircraft operator for quick guide reference.

- Maximum electrical load did not exceed 80% of the generating capacity of the electrical charging system.
- The installation exhibits no interference to communication or navigation systems.
- Weight & Balance/Equipment List have been amended.
- FAA Form 337 prepared and provided in compliance with part 43.9.

The items identified above were installed, repaired and/or inspected in accordance with current Federal Aviation Regulations, manufacturer's specifications and approved for return to service with respect to the work performed. Pertinent details are on file at the repair station under Work Order Number 5230.

Signed: RON FREEMAN Date: 12/3/2020

CRS# 137R236D

Achievement Aviation of Ohio

CRS 9FDR993C
Facility Address:
6177 St Rd 219
Hangar 51
Celina, OH 45822

August 3, 2021 N72MZ Diamond DA40 Hobbs time:1102.1

I certify that the altimeter and static system tests required by 14 CFR part 91, § 91.411 and transponder tests, including data correspondence, required by § 91.413, have been performed and found to comply with 14 CFR part 43, appendices E and F.

ADC Model:Garmin GDC74A Alt: United 5934PD3A.130 Transponder Model: Garmin GTX345R

Serial No. 47807256 Serial No. 456115 Serial No. 3EH440443

The altimeter & ADC were tested to 20,000 feet on this date.
The transponder was tested on this date.
Encoder data correspondence was tested to 20,000 feet on this date. Static system leak tested on this date.

Details of the inspection are on file at the repair station under work order A451

August 3, 2021 Certified Repair Station 9FDR993C Signature:

AIR TIME AND

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

AIRFRAME LOG

8-12-2021

STEEL AVIATION

Reg: N72MZ
Make: Diamond
Hobbs: 1102.1

S/N: 40.716
Model: DA40
Tach:

1. C/W ANNUAL INSPECTION in accordance with FAR 43 APPENDIX D - Using Diamond DA40 AMM as a guide.
2. C/W 100 hour Inspection IAW DA 40 Maintenace checklist with Lycoming IO-360 Engine
3. C/W ELT Inspection IAW FAR 91.207(D). No defects noted. Next inspection due 8-2022
4. Replaced ELT batteries with new. Next due 8-2023
5. Replaced Emegency battery Pack with new, P/N D41-2560-93-00
6. Replaced Emergency Exit Placards, P/N DA4-1123-20-07
7. C/W AD 2009-10-04, Inspection of nose landing gear leg, IAW par (f) (1), and MSB40-046/1. No cracks noted. Next inspection due 12 months or 200 hours
8. C/W 12 month bonding inspection
9. Swapped rear seat belts to correct mis-installation
10. Cleaned light corrosion from static wick bases
11. Cleaned light corrosion from rudder stop
12. Replaced camlock in left wheelpant door
13. Replaced left brake linings with new
14. Replaced missing POH with new, P/N 6.01.01-E. Printed applicable supplements and put in aircraft.
15. Reweighed aircraft to establish new weight and balance. Weights as follows: Nose 195, Left 801, Right 777.

I certify this aircraft has been inspected IAW an Annual Inspection and was determined to be in an airworthy condition.

Kevin Pierron A&P 3343189IA

WWW.STEELAVI

AIRFRAME LOG

8-12-2021

STEEL AVIATION

Reg: N72MZ
Make: Diamond
Hobbs: 1121.9

S/N: 40.716
Model: DA40
Tach:

1. Replaced right rudder pedal sled, forward limit switch with new. Ops check good.

Kevin Pierron A&P 3343189IA

Airframe logbook entry for N72MZ S/N 40.716
30 November 2021 Tach = 77.1
Installed new Weldon fuel pump P/N 18002-B per AMM 78-20 maintenance paragraph 4. Operational and leak checks were normal.

Brian S. Fisher AP3671341IA

WWW.STEELAVIATION.COM

CARRIED FORWARD

DATE

BROUGHT FORWARD

QUIRED FOR COMPL

Airframe logbook entry for N72MZ S/N 40.716
17 June 2022 Tach = 180.0 AFTTIS = 1257.7

Completed routine annual inspection using Diamond DA-40 checklist. Serviced brakes, landing gear and lubed airframe. Inspected ELT IAW FAR 91.207(d) - sat, ELT battery due replacement March 2031.
Accomplished following items:

1. Cleaned, inspected, and lubed all wheel bearings.
2. Cleaned and lubed air filter.
3. Complied with AD 2009-10-04, nose gear leg pivot, by inspection per Diamond MSB40-046/3. Inspection was satisfactory and is due again at 380.0 or June 2023.

AD's checked thru 2022-12. I certify that this aircraft was inspected in accordance with an Annual inspection and was found to be in an airworthy condition ready for return to service.

Brian S. Fisher AP3671341IA

Airframe logbook entry for N72MZ S/N 40.716
15 July 2022 Tach = 272.3 AFTTIS = 1350.0

Completed routine annual inspection using Diamond DA-40 checklist. Serviced brakes, landing gear and lubed airframe. Inspected ELT IAW FAR 91.207(d) - sat, ELT battery due replacement March 2031.
Accomplished following items:

1. Cleaned, inspected, and lubed all wheel bearings.
2. Cleaned and lubed air filter.
3. Installed new Goodyear 15.0X6X6PR FSII tire and Michelin tube on left and right main tire.
4. Installed new fuse P/N DS_FU2-FF5-FR4-PA-4 on pilot side rudder pedal adjuster.
5. AD 2009-10-04, nose gear leg pivot, is due at 380.0 or June 2023.

AD's checked thru 2022-14. I certify that this aircraft was inspected in accordance with an Annual inspection and was found to be in an airworthy condition ready for return to service.

Brian S. Fisher AP3671341IA

Airframe logbook entry for N72MZ S/N 40.716
25 July 2022 Tach = 325.6

Installed new A610 strobe tube in left hand position. Operational check was normal

Brian S. Fisher AP3671341IA

Airframe logbook entry for N72MZ S/N 40.716
23 August 2022 Tach = 459.7

Installed new MS24586C07 rudder pedal spring on copilot side.
Operational check was normal.

Brian S. Fisher AP3671341IA

Airframe logbook entry for N72MZ S/N 40.716
3 August 2022 Tach = 373.7 AFTTIS = 1451.4

Completed routine annual inspection using Diamond DA-40 checklist. Serviced brakes, landing gear and lubed airframe. Inspected ELT IAW FAR 91.207(d) - sat, ELT battery due replacement March 2031.
Accomplished following items:

1. Cleaned, inspected, and lubed all wheel bearings.
2. Cleaned and lubed air filter.
3. Complied with AD 2009-10-04, nose gear leg pivot, by inspection per MSB40-046/3. Inspection was normal and AD is due at 573.7 or August 2023.
4. Installed passenger door compression spring P/N D41-5211-60-91.
5. Installed new right brake caliper o-ring P/N MS28775-224 and serviced brake hydraulic reservoir with Aeroshell 4.
6. Installed new DA4-2406-44-00SB 100 ohm circuit board on alternator aux terminal per MSB40-058.

AD's checked thru 2022-16. I certify that this aircraft was inspected in accordance with an Annual inspection and was found to be in an airworthy condition ready for return to service.

Brian S. Fisher AP3671341IA

ENTRIES, DRA

NATURE | LICENCE NUMBER

Airframe logbook entry for N72MZ S/N 40.716
27 August 2022 Tach = 471.7 AFTTIS = 1549.4
Completed routine annual inspection using Diamond DA-40 checklist. Serviced brakes, landing gear and lubed airframe. Inspected ELT IAW FAR 91.207(d) - sat, ELT battery due replacement March 2031.
Accomplished following items:
1. Cleaned, inspected, and lubed all wheel bearings.
2. Installed new FR-08504 air filter.
3. AD 2009-10-04, nose gear leg pivot, is due at 573.7 or August 2023.
4. Installed new RA66-141 brake pads on left brake caliper.

AD's checked thru 2022-17. I certify that this aircraft was inspected in accordance with an Annual inspection and was found to be in an airworthy condition ready for return to service.

Brian S. Fisher AP3671341IA

Airframe logbook entry for N72MZ S/N 40.716
18 September 2022 Tach = 578.0
Installed new RG24-15M battery, S/N 41219918. Operational check was normal.

Brian S. Fisher AP3671341IA

Airframe logbook entry for N72MZ S/N 40.716
20 September 2022 Tach = 579.1 AFTTIS = 1656.8
Completed routine annual inspection using Diamond DA-40 checklist. Serviced brakes, landing gear and lubed airframe. Inspected ELT IAW FAR 91.207(d) - sat, ELT battery due replacement March 2031.
Accomplished following items:
1. Cleaned, inspected, and lubed all wheel bearings.
2. Cleaned and lubed air filter.
3. C/W AD 2009-10-04, nose gear leg pivot, per MSB40-046/3. AD was satisfactory is due again at 779.1 or September 2023.
4. Installed new RA66-141 brake pads on right brake caliper.
5. C/W Powerflow exhaust Annual/500 hour inspection.

AD's checked thru 2022-17. I certify that this aircraft was inspected in accordance with an Annual inspection and was found to be in an airworthy condition ready for return to service.

Brian S. Fisher AP3671341IA

Airframe logbook entry for N72MZ S/N 40.716
29 September 2022 Tach = 617.2
Installed new placard P/N D41-1133-12-25, Auto-pilot PIC, on pilot side control stick. Installed new placard P/N D41-1133-12-26. Auto-pilot, PTT on co-pilot control stick. Installed new plug P/N 3783_10 in co-pilot control stick.

Brian S. Fisher AP3671341IA

Airframe logbook entry for N72MZ S/N 40.716
3 October 2022 Tach = 626.2
Installed new 15.0X6X6PR tire on right main.

Brian S. Fisher AP3671341IA

Airframe logbook entry for N72MZ S/N 40.716
4 October 2022 Tach = 637.3
Installed new 15.0X6X6PR tire on left main.

Brian S. Fisher AP3671341IA

DATE

BROUGHT FORWARD

Airframe logbook entry for N72MZ S/N 40.716
14 October 2022 Tach = 677.8 AFTTIS = 1755.5
Completed routine annual inspection using Diamond DA-40 checklist.
Serviced brakes, landing gear and lubed airframe. Inspected ELT IAW FAR 91.207(d) - sat, ELT battery due replacement March 2031.
Accomplished following items:

1. Cleaned, inspected, and lubed all wheel bearings.
2. Cleaned and lubed air filter.
3. C/W AD 2009-10-04, nose gear leg pivot, per MSB40-046/3. AD was satisfactory is due again at 877.8 or Oct. 2023.
4. Installed new 5.0X5X6PR tire on nose wheel.

AD's checked thru 2022-21. I certify that this aircraft was inspected in accordance with an Annual inspection and was found to be in an airworthy condition ready for return to service.

Brian S. Fisher

Brian S. Fisher AP3671341IA

Date: 11/11/2022 **Hours**: AC: 1851.1 Tach: 771.5 Hobbs: 2063.3

Tail#: N72MZ

Make: Diamond (Austria) **Model**: DA 40 **S/N**: 40.716

Performed 100 hour inspection in accordance with Diamond Maintenance Manual and inspection checklist.
Test and inspect ELT IAW FAR 91.207 (d), next battery replacement due March 2031.
Installed new JA Air Filter P/N FR-08504.
Installed new Powerflow Tailpipe P/N 80062, S/N 2022-1885-01.
Complied with AD 14-13-08 IAW MSB 40-074 by installing Carbon Fiber Patch MAM 40-398 in L/H and R/H aft main spar IAW Drawing D41-5313-03-00_2.
Researched and Complied with all Airworthiness Directives.
I certify that this aircraft has been repaired and inspected in accordance with current maintenance manuals and was determined to be in airworthy condition at this time.

Name: Timothy Kerns **Cert**: AP 3390695 IA

Co: **Sign**: _____

Date: 12/27/2022 **Hours**: AC: 1948.5 TT: 870.8 Hobbs: 2191.0

Tail#: N72MZ

Make: Diamond (Austria) **Model**: DA 40 **S/N**: 40.716

Performed 100 hour inspection IAW Diamond MM and inspection checklist.
ELT test and inspect IAW FAR 91.407(d). No discrepancies noted. Next battery replacement due MAR 2031.
Installed new L/H and R/H Rapco Brake Rotors P/N 164-24400 and 4ea new brake pads P/N RA066-14100.
Installed new Goodyear Flight Special II 15X6.0-6 6 ply R/H main tire P/N 301-249-068, S/N 21755347 and new Goodyear Flight Mate Butyl Tube P/N 302-246-401. See 8130-3 form dated 10/31/2022.
Complied with AD 2009-10-04 "Nose Landing Gear Leg" per para (f)1, next due in 200 hours or 12 months.
Researched and complied with all Airworthiness Directives, see compliance records.
I certify that this aircraft has been repaired and inspected in accordance with current maintenance manuals and was determined to be in airworthy condition at this time.

Name: Timothy Kerns **Cert**: AP 3390695 IA

Co: **Sign**: _____

EQUIRED FOR COMPLE

ENTRIES, DRA

Date: 01/05/2023 **Hours**: AC: 1948

Tail#: N72MZ

Make: Diamond (Austria) **Model**: D

Removed STC SA01918LA Amsafe inf
Diamond factory seatbelts L/H P/N 5-0
1C5701, S/N RC2207370. See Form
Installed new 1.25 lb Halon Fire Extin

Name: Timothy Kerns

Co:

Date: 03/08/2023 **Hours**: A

Tail#: N72MZ

Make: Diamond (Austria) M

Performed 100 hour inspection
ELT test and inspect IAW FAR
replacement due Mar 2031.
Removed bent NLG strut and
RC2300336 (1). See form On
C/W AD 09-10-04 by installati
C/W Powerflow Exhaust ICA
Researched and complied wi
I certify that this aircraft has
hour inspection and was dete

Name: Timothy Kerns

Co:

Date: 03/17/2023 **Hours**

Tail#: N72MZ

Make: Diamond (Austria)

Removed frayed R/H 3 poi
RC2300089 (1). See Form

Name: Timothy Kerns

Co:

337 Forms

US Department of Transportation
Federal Aviation Administration

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

OMB No. 2120-0020
Exp: 01/31/2023

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. §44701). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. §46301(a))

1. Aircraft	Nationality and Registration Mark: N72MZ	Serial No.: 40.716	
	Make: Diamond (Austria)	Model: DA 40	Series:
2. Owner	Name *(As shown on registration certificate)*: Buckeye Aircraft Holdings	Address *(As shown on registration certificate)*: Address 2201 ANNANDALE PL; City Xenia; State OH; Zip 45385; Country	

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
☐	☑	AIRFRAME	———	*(As described in Item 1 above)*	———
☐	☐	POWERPLANT			
☐	☐	PROPELLER			
☐	☐	APPLIANCE	Type / Manufacturer		

6. Conformity Statement

A. Agency's Name and Address
Name: Timothy Kerns
Address: 5804 State Route 133
City: Clarksville State: OH
Zip: 45113 Country: United States

B. Kind of Agency
- ☑ U. S. Certificated Mechanic
- ☐ Manufacturer
- ☐ Foreign Certificated Mechanic
- ☐ Certificated Repair Station
- ☐ Certificated Maintenance Organization

C. Certificate No.

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Extended range fuel per 14 CFR Part 43 App. B ☐	Signature/Date of Authorized Individual: Timothy Kerns 01/05/2023

7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☑ Approved ☐ Rejected

BY	☐	FAA Flt. Standards Inspector	☐	Manufacturer	☐	Maintenance Organization	☐ Persons Approved by Canadian Department of Transport
	☐	FAA Designee	☐	Repair Station	☑	Inspection Authorization	Other *(Specify)*

Certificate or Designation No.: 3390695	Signature/Date of Authorized Individual: Timothy Kerns 01/05/2023

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished
(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

N72M	1/05/2023
Nationality and Registration Mark	Date

Removed STC SA01918LA Amsafe inflatable restraint system and installed new Diamond factory seatbelts, L/H P/N 5-01-1C0701, S/N RC2206626 and R/H P/N 5-01-1C5701, S/N RC2207[illegible]0. See Form One dated 01/03/2023.

☐ Additional Sheets Are Attached

ENTRIES. DRA

NATURE | LICENCE NUMBER

Date: 01/05/2023 **Hours**: AC: 1948.5 TT: 870.8 Hobbs: 2191.0

Tail#: N72MZ

Make: Diamond (Austria) **Model**: DA 40 **S/N**: 40.716

Removed STC SA01918LA Amsafe inflatable restraint system and installed new Diamond factory seatbelts L/H P/N 5-01-1C0701, S/N RC2206626 and R/H P/N 5-01-1C5701, S/N RC2207370. See Form One dated 1/3/23. See 337 dated 1/5/2023. Installed new 1.25 lb Halon Fire Extinguisher P/N A344T, S/N H-29719000.

Name: Timothy Kerns

Co:

Date: 01/05/2023 **Hours**: TT: 1948.5, Tach: 870.8

Tail#: N72MZ

Make: Diamond (Austria) **Model**: DA 40 **S/N**: 40.716

C/W Bonding system and static discharging system resistance per Section 51-80 IAW Chapter 4 Diamond MM. Next due in 1000 hours.

Name: Timothy Kerns **Cert**: AP 3390695 IA

Co: **Sign**: _____

Date: 03/08/2023 **Hours**: A

Tail#: N72MZ

Make: Diamond (Austria) **M**

Performed 100 hour inspection
ELT test and inspect IAW FAR
replacement due Mar 2031.
Removed bent NLG strut and i
RC2300336 (1). See form One
C/W AD 09-10-04 by installation of new NLG Leg, no longer recurring.
C/W Powerflow Exhaust ICA inspections.
Researched and complied with all Airworthiness Directives. See compliance records.
I certify that this aircraft has been repaired and inspected in accordance with a 100 hour inspection and was determined to be in airworthy condition at this time.

Name: Timothy Kerns **Cert**: AP 3890695 IA

Co: **Sign**: _____

Date: 03/17/2023 **Hours**: AC: 2073.5 TT: 995.8 Hobbs: 2353.9

Tail#: N72MZ

Make: Diamond (Austria) **Model**: DA 40 **S/N**: 40.716

Removed frayed R/H 3 point harness and installed with new P/N 5-01-1C5701, S/N RC2300089 (1). See Form One dated 3/9/2023.

Name: Timothy Kerns **Cert**: AP 3390695 IA

Co: **Sign**: _____

ENTRIES, DRA

NATURE

Date: 01/05/2023 **Hours**: AC: 1948.5 TT: 870.8 Hobbs: 2191.0

Tail#: N72MZ

Make: Diamond (Austria) **Model**: DA 40 **S/N**: 40.716

Removed STC SA01918LA Amsafe inflatable restraint system and installed new Diamond factory seatbelts L/H P/N 5-01-1C0701, S/N RC2206626 and R/H P/N 5-01-1C5701, S/N RC2207370. See Form One dated 1/3/23. See 337 dated 1/5/2023. Installed new 1.25 lb Halon Fire Extinguisher P/N A344T, S/N H-29719000.

Name: Timothy Kerns

Co:

Cert: AP 3390695 IA

Sign:

Date: 03/08/2023 **Hours**: AC: 2046.9 Tach: 969.2 Hobbs: 2319.0

Tail#: N72MZ

Make: Diamond (Austria) **Model**: DA 40 **S/N**: 40.716

Performed 100 hour inspection IAW with Diamond MM and inspection checklist. ELT test and inspect IAW FAR 91.407(d), no discrepancies noted. Next battery replacement due Mar 2031.
Removed bent NLG strut and installed new strut P/N D41-3223-10-00_2-ASY, S/N RC2300336 (1). See form One dated 3/3/2023.
C/W AD 09-10-04 by installation of new NLG Leg, no longer recurring.
C/W Powerflow Exhaust ICA inspections.
Researched and complied with all Airworthiness Directives. See compliance records.
I certify that this aircraft has been repaired and inspected in accordance with a 100 hour inspection and was determined to be in airworthy condition at this time.

Name: Timothy Kerns

Co:

Cert: AP 3390695 IA

Sign:

Date: 03/17/2023 **Hours**: AC: 2073.5 TT: 995.8 Hobbs: 2353.9

Tail#: N72MZ

Make: Diamond (Austria) **Model**: DA 40 **S/N**: 40.716

Removed frayed R/H 3 point harness and installed with new P/N 5-01-1C5701, S/N RC2300089 (1). See Form One dated 3/9/2023.

Name: Timothy Kerns

Co:

DATE

BROUGHT FORWARD

Date: 04/12/2023 **Hours**: AC: 2143.9 Tach: 1066.2 Hobbs: 2445.6

Tail#: N72MZ

Make: Diamond (Austria) **Model**: DA 40 **S/N**: 40.716

Installed Hartzell Alternator overhauled by Aerotech of Louisville P/N ALU-8521, S/N H-W-060072. See 8130-3 form dated 11/2/22.

Name: Timothy Kerns **Cert**: AP 3390695 IA

Co: **Sign**:

Date: 05/03/2023 **Hours**: AC: 2143.9 Tach: 1066.2 Hobbs: 2445.6

Tail#: N72MZ

Make: Diamond (Austria) **Model**: DA 40 **S/N**: 40.716

Performed 100 hour inspection IAW with Diamond MM and inspection checklist.
Test and inspect ELT IAW FAR 91.407(d), no discrepancies noted. Next battery replacement due Mar 31.
Next emergency backup battery due Aug 23.
Researched and complied with all Airworthiness Directives. See compliance records.
I certify that this aircraft has been repaired and inspected in accordance with a 100 hour inspection and was determined to be in airworthy condition at this time.

Name: Timothy Kerns **Cert**: AP 3390695 IA

Co: **Sign**:

Airframe logbook entry for N72MZ S/N 40.716
11 May 2023 Tach = 1112.8
Installed new rudder pedal tension spring P/N MS24586C207 on co-pilot right rudder pedal.

Brian S. Fisher AP3671341IA

CARRIED FORWARD

D
REQUIRED FOR COMPLETE

ENTRIES. DRAW A

Date: 05/15/2023 **Hours**

Tail#: N72MZ

Make: Diamond (Austria)

Installed new Hartzell Start
3/29/22.

Name: Timothy Kerns

Co:

004-05-2023 (05-22-2023)

MAKE: Diamond
MODEL: DA40
S/N: 40.716
REG. NO:: N72MZ

Airframe Entries

Performed 100 hour inspection IA
discrepancies noted. Next batter
Directives, see compliance recor

I certify that this aircraft has bee
determined to be in airworthy co

DATE: 05-22-2023

Airfram

Installed serviceable

014-06-2023 (06-01-2023)

MAKE: Diamond
MODEL: DA40
S/N: 40.716
REG. NO:: N72MZ

Airframe Entries

• Performed 50 hour inspection
Special II 15-6x6 tire P/N 301-24
Cleveland brake rotor P/N 164-2
complied with all Airworthiness

I certify that this aircraft has bee
determined to be in airworthy co

DATE: 06-01-2023

022-06-2023 (06-08-2023)

MAKE: Diamond
MODEL: DA40
S/N: 40.716
REG. NO:: N72MZ

Airframe Entries

• Performed 100 hour inspection
No discrepancies noted. Next ba
Installed new R/H main Goodyea
Flight Mate Butyl Tube P/N 302-
compliance records.

I certify that this aircraft has bee
determined to be in airworthy co

DATE: 06-08-2023

ENTRIES. DRAW A

TURE	LICENCE NUMBER

Date: 05/15/2023 **Hours**: AC: 2209.8 Tach: 1132.1 Hobbs: 2531.1

Tail#: N72MZ

Make: Diamond (Austria) **Model**: DA 40 **S/N**: 40.716

Installed new Hartzell Starter P/N 149-24LS, S/N H-W032915. See 8130-3 form dated 3/29/22.

Name: Timothy Kerns **Cert**: AP 3390695 IA

Co: **Sign**:

004-05-2023 (05-22-2023) Page 1 / 1

MAKE: Diamond
MODEL: DA40
S/N: 40.716
REG. NO:: N72MZ

Midwest Corporate Air
3100 State Route 47 West
Bellefontaine, OH 43311

W/O #: 004-05-2023
DATE: 05-22-2023
A/C TT: 2243.1
A/C Tach: 1165.4

Airframe Entries

Performed 100 hour inspection IAW MM and inspection checklist.... Test and inspect ELT IAW 91.207(d). No discrepancies noted. Next battery replacement due Mar 2031.... Researched and Complied with all Airworthiness Directives, see compliance records.

I certify that this aircraft has been repaired and inspected in accordance with a 100 hour inspection and was determined to be in airworthy condition at this time.

DATE: 05-22-2023 SIGNED:

Tim Kerns
FAA Cert A&P 3390695 IA

WORK ORDER: 004-05-2023
Printed by EBIS (EBISCloud.com)

Airframe logbook entry for N72MZ S/N 40.716
27 May 2023 Tach = 1191.0
Installed serviceable nose wheel and tire on aircraft at this time.

Brian S. Fisher AP3671341IA

014-06-2023 (06-01-2023) Page 1 / 1

MAKE: Diamond
MODEL: DA40
S/N: 40.716
REG. NO:: N72MZ

Midwest Corporate Air
3100 State Route 47 West
Bellefontaine, OH 43311

W/O #: 014-06-2023
DATE: 06-01-2023
A/C TT: 2307.6
A/C Tach: 1229.9
Hobbs: 0.0

Airframe Entries

• Performed 50 hour inspection IAW MM and inspection checklist.... • Installed new R/H main Goodyear Flight Special II 15-6x6 tire P/N 301-249-068 and Goodyear flight mate butyl tube P/N 302-246-401. Installed new R/H Cleveland brake rotor P/N 164-24400 and installed new Rapco brake linings RA066-14100.... • Researched and complied with all Airworthiness Directives. See compliance list.

I certify that this aircraft has been repaired and inspected in accordance with an ANNUAL/100 hour inspection and was determined to be in airworthy condition at this time.

DATE: 06-01-2023 SIGNED:

Tim Kerns
FAA Cert A&P 3390695 IA

WORK ORDER: 014-06-2023
Printed by EBIS (EBISCloud.com)

022-06-2023 (06-08-2023) Page 1 / 1

MAKE: Diamond
MODEL: DA40
S/N: 40.716
REG. NO:: N72MZ

Midwest Corporate Air
3100 State Route 47 West
Bellefontaine, OH 43311

W/O #: 022-06-2023
DATE: 06-08-2023
A/C TT: 2342.8
A/C Tach: 1265.1

Airframe Entries

• Performed 100 hour inspection IAW MM and inspection checklist.... • ELT test and inspect IAW FAR 91.207(d). No discrepancies noted. Next battery replacement due MAR 2031.... • Emergency battery due AUG 2023.... • Installed new R/H main Goodyear Flight Special II 15X6.0-6 ply tire P/N 301-249-068, S/N 21405325 and GY Flight Mate Butyl Tube P/N 302-246-401.... • Researched and complied with all Airworthiness Directives. See compliance records.

I certify that this aircraft has been repaired and inspected in accordance with an ANNUAL/100 hour inspection and was determined to be in airworthy condition at this time.

DATE: 06-08-2023 SIGNED:

Tim Kerns
FAA Cert A&P 3390695 IA

WORK ORDER: 022-06-2023
Printed by EBIS (EBISCloud.com)

DATE

BROUGHT FORWARD

049-07-2023 (07-07-2023) Page 1 / 1

MAKE: Diamond
MODEL: DA40
S/N: 40.716
REG. NO:: N72MZ

Midwest Corporate Air
3100 State Route 47 West
Bellefontaine, OH 43311

W/O #: 049-07-2023
DATE: 07-07-2023
A/C TT: 2442.8
A/C Tach: 1365.1

Airframe Entries

• Performed 100 hour inspection IAW MM and inspection checklist.... • ELT test and inspect IAW FAR 91.207(d). No discrepancies noted. Next battery replacement due 3/31/31.... • Emergency battery due 8/31/23.... • Installed 4 ea L/H and R/H new brake linings P/N 066-14100. Resealed L/H brake caliper with MS224 o'ring.... • Researched and complied with all Airworthiness Directives. See compliance records.

I certify that this aircraft has been repaired and inspected in accordance with an ANNUAL/100 hour inspection and was determined to be in airworthy condition at this time.

DATE: 07-07-2023 SIGNED:

Tim Kerns
FAA Cert A&P 3390695 IA

WORK ORDER: 049-07-2023
Printed by EBIS (EBISCloud.com)

055-07-2023 (07-12-2023) Page 1 / 1

MAKE: Diamond
MODEL: DA40
S/N: 40.716
REG. NO:: N72MZ

Midwest Corporate Air
3100 State Route 47 West
Bellefontaine, OH 43311

W/O #: 055-07-2023
DATE: 07-12-2023
A/C TT: 2456.2
A/C Tach: 1378.5

Airframe Entries

• Installed Prop Governor after overhaul by Professional Aircraft Accessories P/N C210776, S/N 00179. See 8130-3 form dated 7/10/2023.

DATE: 07-12-2023 SIGNED:

Tim Kerns
FAA Cert A&P 3390695 IA

WORK ORDER: 055-07-2023
Printed by EBIS (EBISCloud.com)

077-07-2023 (08-01-2023) Page 1 / 1

MAKE: Diamond
MODEL: DA40
S/N: 40.716
REG. NO:: N72MZ

Midwest Corporate Air
3100 State Route 47 West
Bellefontaine, OH 43311

W/O #: 077-07-2023
DATE: 08-01-2023
A/C TT: 2543.4
A/C Tach: 1465.7

Airframe Entries

• Performed 100 hour inspection IAW MM and inspection checklist.... • ELT test and inspect IAW FAR 91.207(d). No discrepancies noted. Next battery replacement due 03/31/2031.... • Emergency battery due 08/31/2023.... • Researched and complied with all Airworthiness Directives. See compliance records.

I certify that this aircraft has been repaired and inspected in accordance with an ANNUAL/100 hour inspection and was determined to be in airworthy condition at this time.

DATE: 08-01-2023 SIGNED:

Tim Kerns
FAA Cert A&P 3390695 IA

WORK ORDER: 077-07-2023
Printed by EBIS (EBISCloud.com)

090-08-2023 (08-11-2023) Page 1 / 1

MAKE: Diamond
MODEL: DA40
S/N: 40.716
REG. NO:: N72MZ

Midwest Corporate Air
3100 State Route 47 West
Bellefontaine, OH 43311

W/O #: 090-08-2023
DATE: 08-11-2023
A/C TT: 2583.6
A/C Tach: 1505.9

Airframe Entries

• Installed new L/H and R/H main Goodyear Flight special II tires P/N 301-249-068 and 2ea new GY Flight Mate Butyl tubes P/N 302-246-401.

I certify this aircraft has been inspected IAW FAR regulations and is certified for return to service.

DATE: 08-11-2023 SIGNED:

Tim Kerns
FAA Cert A&P 3390695 IA

WORK ORDER: 090-08-2023
Printed by EBIS (EBISCloud.com)

109-08-2023 (08-25-2023) Page 1 / 1

MAKE: Diamond
MODEL: DA40
S/N: 40.716
REG. NO:: N72MZ

Midwest Corporate Air
3100 State Route 47 West
Bellefontaine, OH 43311

W/O #: 109-08-2023
DATE: 08-25-2023
A/C TT: 2641.6
A/C Tach: 1563.9

Airframe Entries

• Performed 100 hour inspection IAW MM and inspection checklist.... • ELT test and inspect IAW FAR 91.207(d). No discrepancies noted. Next battery replacement due 03/31/2031.... • Installed new emergency battery P/N D41-2560-93-00, S/N 19-32-4. Next emergency battery due AUG 2025.... • C/W chapter 4 item Essential Bus. Checked both ends of each wire connected to the battery relay for insecure connection. Checked essential bus copper bar (behind circuit breakers) for looseness. Verified proper function. Next due in 1000 hours.... • C/W Chapter 4 Major Structural Inspection per Diamond MM Section 05-28-93. Next due in 2000 hours or 12 years.... • Researched and complied with all Airworthiness Directives. See compliance records.

I certify that this aircraft has been repaired and inspected in accordance with an ANNUAL/100 hour inspection and was determined to be in airworthy condition at this time.

DATE: 08-25-2023 SIGNED:

Tim Kerns
FAA Cert A&P 3390695 IA

WORK ORDER: 109-08-2023
Printed by EBIS (EBISCloud.com)

CARRIED FORWARD

Achievement Aviation of Ohio

CRS 9FDR993C
Facility Address:
747 Airport Dr
Lima, OH 45804

August 1, 2023 N72MZ Diamond DA40

I certify that the altimeter and static system tests required by 14 CFR part 91, § 91.411 and transponder tests, including data correspondence, required by § 91.413, have been performed and found to comply with 14 CFR part 43, appendices E and F.
Altimeter Make: Garmin Model: GDC74A Serial No. 47807256
Altimeter Make: United Model: 5934PD3A.130 Serial No. 456115
Transponder Make: Garmin Model: GTX-345R Serial No. 3EH440443
The altimeter and ADC were tested to 20,000 feet on this date.
The transponder was tested on this date.
Encoder data correspondence was tested to 20,000 feet on this date. Static system leak tested on this date.
Details of the inspection are on file at the repair station under work order B037

August 1, 2023 Certified Repair Station 9FDR993C Signature:

127-09-2023 (09-03-2023) Page 1 / 1

MAKE: Diamond
MODEL: DA40
S/N: 40.716
REG. NO:: N72MZ

Midwest Corporate Air
3100 State Route 47 West
Bellefontaine, OH 43311

W/O #: 127-09-2023
DATE: 09-03-2023
A/C TT: 2700.6
A/C Tach: 1622.9

Airframe Entries

• Performed 50 hour inspection IAW MM and inspection checklist.... • Installed 4ea new L/H and R/H main Cleveland Brake Linings P/N 066-14100.... • Researched and complied with all Airworthiness Directives. See compliance list.

I certify that this aircraft has been repaired and inspected in accordance with a 50 hour inspection and was determined to be in airworthy condition at this time.

DATE: 09-03-2023 SIGNED:
Tim Kerns
FAA Cert A&P 3390695 IA

WORK ORDER: 127-09-2023
Printed by EBIS (EBISCloud.com)

136-09-2023 (09-26-2023) Page 1 / 1

MAKE: Diamond
MODEL: DA40
S/N: 40.716
REG. NO:: N72MZ

Midwest Corporate Air
3100 State Route 47 West
Bellefontaine, OH 43311

W/O #: 136-09-2023
DATE: 09-26-2023
A/C TT: 2750.1
A/C Tach: 1672.4

Airframe Entries

• Performed 100 hour inspection IAW MM and inspection checklist.... • ELT test and inspect IAW FAR 91.207(d). No discrepancies noted. Next battery replacement due ... • Emergency battery due... • Installed servicable stall warning horn P/N: DA-2739-10-00, S/N: C0052. ... • Installed new nose tire P/N: 505C01-2, S/N: 31860008. ... • Researched and complied with all Airworthiness Directives. See compliance records.

I certify that this aircraft has been repaired and inspected in accordance with an ANNUAL/100 hour inspection and was determined to be in airworthy condition at this time.

DATE: 09-26-2023 SIGNED:
Tim Kerns
FAA Cert A&P 3390695 IA

WORK ORDER: 136-09-2023
Printed by EBIS (EBISCloud.com)

174-10-2023 (10-12-2023) Page 1 / 1

MAKE: Diamond
MODEL: DA40
S/N: 40.716
REG. NO:: N72MZ

Midwest Corporate Air
3100 State Route 47 West
Bellefontaine, OH 43311

W/O #: 174-10-2023
DATE: 10-12-2023
A/C TT: 2794.8
A/C Tach: 1717.1

Airframe Entries

• Performed 50 hour inspection IAW MM and inspection checklist.... • Installed new L/H & R/H main Goodyear Flight Special 15-6.00-6 tire P/N 301-249-068, S/N 23265323 & 30515385. Installed new Goodyear Flight Mate Butyl tube P/N 302-246-401. See 8130-3 form dated 7/18/2023 & 9/5/2023.... • Researched and complied with all Airworthiness Directives. See compliance list.

I certify that this aircraft has been repaired and inspected in accordance with a 50 hour inspection and was determined to be in airworthy condition at this time.

DATE: 10-12-2023 SIGNED:
Tim Kerns
FAA Cert A&P 3390695 IA

WORK ORDER: 174-10-2023
Printed by EBIS (EBISCloud.com)

DATE

BROUGHT FORWARD

EQUIRED FOR COMPLETE

ENTRIES. DRA

239-12-2023 (01-08-2024) Page 1 / 1

MAKE: Diamond
MODEL: DA40
S/N: 40.716
REG. NO:: N72MZ

Midwest Corporate Air
3100 State Route 47 West
Bellefontaine, OH 43311

W/O #: 239-12-2023
DATE: 01-08-2024
A/C TT: 2830.2
A/C Tach: 1752.5

Airframe Entries

• Performed ANNUAL inspection IAW Diamond MM and inspection checklist.... • ELT test and inspect IAW FAR 91.207(d). No discrepancies noted. Next battery replacement due 03/31/2031.... • Emergency battery due 8/31/25.... • Installed new, rear horizontal stabilizer mounting plates. P/N DA41-5500-00-61 and DA-41-5500-00-62. Work done IAW DA-40 MM 55-10-00. ... • Installed new LED wingtip light assemblies. Left P/N 01-0771733-12 E, S/N 660520. Right P/N 01-0771733-11 E, S/N 661147. ... • Installed new stall horn P/N DA4-2739-10-00X05.... • Adjusted trim wheel servo chain tension. ... • Installed new T/O position flap bulb P/N 430552.... • Installed serviceable Hartzell Alternator P/N ALU-8521, S/N H-W-060072. See 8130-3 form dated 11/2/22. Installed serviceable Hartzell Sky Tech starter P/N 149-24XLT, S/N H-T101908. See 8130-3 form dated 10/17/19. Installed with all new attaching hardware.... • C/W AD 93-05-06 by installation of Ignition Switch P/N A510-2. Next due in 2000 hours.... • Researched and complied with all Airworthiness Directives. See compliance records.

I certify that this aircraft has been repaired and inspected in accordance with an ANNUAL/100 hour inspection and was determined to be in airworthy condition at this time.

DATE: 01-08-2024 SIGNED:
Tim Kerns
FAA Cert A&P 3390695 IA

WORK ORDER: 239-12-2023
Printed by EBIS (EBISCloud.com)

306-02-2024 (02-12-2024) Page 1 / 1

MAKE: Diamond
MODEL: DA40
S/N: 40.716
REG. NO:: N72MZ

Midwest Corporate Air
3100 State Route 47 West
Bellefontaine, OH 43311

W/O #: 306-02-2024
DATE: 02-12-2024
A/C TT: 2900.6
A/C Tach: 1822.9

Airframe Entries

• Installed new R/H main Goodyear Flight Special 15-6.00-6 tire P/N 301-249-420, S/N 40130919. Installed new Goodyear Flight Mate Butyl tube P/N 302-246-401. See 8130-3 form dated 1/29/24.

DATE: 02-12-2024 SIGNED:
Brian Fisher
FAA Cert A&P 3671341 IA

WORK ORDER: 306-02-2024
Printed by EBIS (EBISCloud.com)

312-02-2024 (02-16-2024) Page 1 / 1

MAKE: Diamond
MODEL: DA40
S/N: 40.716
REG. NO:: N72MZ

Midwest Corporate Air
3100 State Route 47 West
Bellefontaine, OH 43311

W/O #: 312-02-2024
DATE: 02-16-2024
A/C TT: 2921.2
A/C Tach: 1843.5

Airframe Entries

• Performed 100 hour inspection IAW MM and inspection checklist.... • ELT test and inspect IAW FAR 91.207(d). No discrepancies noted. Next battery replacement due 03/31/2031.... • Emergency battery due 8/31/25.... • C/W Chapter 4 Bonding & Static Discharge System by measuring resistance per Section 51-80. Next due in 1000 hours.... • Researched and complied with all Airworthiness Directives. See compliance records.

I certify that this aircraft has been repaired and inspected in accordance with an ANNUAL/100 hour inspection and was determined to be in airworthy condition at this time.

DATE: 02-16-2024 SIGNED:
Tim Kerns
FAA Cert A&P 3390695 IA

WORK ORDER: 312-02-2024
Printed by EBIS (EBISCloud.com)

343-03-2024 (03-11-2024) Page 1 / 1

MAKE: Diamond
MODEL: DA40
S/N: 40.716
REG. NO:: N72MZ

Midwest Corporate Air
3100 State Route 47 West
Bellefontaine, OH 43311

W/O #: 343-03-2024
DATE: 03-11-2024
A/C TT: 2984.6
A/C Tach: 1906.9

Airframe Entries

• Installed new left pedal adjustment fuse P/N: DS_FU2-FF5-FR4-PR4.

I certify this aircraft has been inspected IAW FAR regulations and is certified for return to service.

DATE: 03-11-2024 SIGNED:
Brian Fisher
FAA Cert A&P 3671341 IA

WORK ORDER: 343-03-2024
Printed by EBIS (EBISCloud.com)

351-03-2024 (03-22-2024) Page 1 / 1

MAKE: Diamond
MODEL: DA40
S/N: 40.716
REG. NO:: N72MZ

Midwest Corporate Air
3100 State Route 47 West
Bellefontaine, OH 43311

W/O #: 351-03-2024
DATE: 03-22-2024
A/C TT: 3020.9
A/C Tach: 1943.2

Airframe Entries

• Performed 100 hour inspection IAW MM and inspection checklist.... • ELT test and inspect IAW FAR 91.207(d). No discrepancies noted. Next battery replacement due 3/31/2031.... • Emergency battery due 8/31/2025.... • Installed 4ea new brake pads P/N 066-14100.... • Installed new nose steering stop plate P/N: D41-3223-00-51.... • Researched and complied with all Airworthiness Directives. See compliance records.

I certify that this aircraft has been repaired and inspected in accordance with an ANNUAL/100 hour inspection and was determined to be in airworthy condition at this time.

DATE: 03-22-2024 SIGNED:
Tim Kerns
FAA Cert A&P 3390695 IA

WORK ORDER: 351-03-2024
Printed by EBIS (EBISCloud.com)

367-03-2024 (03-29-2024) Page 1 / 1

MAKE: Diamond
MODEL: DA40
S/N: 40.716
REG. NO:: N72MZ

Midwest Corporate Air
3100 State Route 47 West
Bellefontaine, OH 43311

W/O #: 367-03-2024
DATE: 03-29-2024
A/C TT: 3040.5
A/C Tach: 1962.8

Airframe Entries

• Installed new L/H main Goodyear Flight Special 15-6.00-6 tire P/N 301-249-068. Installed new Goodyear Flight Mate Butyl tube P/N 302-246-401.

DATE: 03-29-2024 SIGNED: Brian J. Fisher

Brian Fisher
FAA Cert A&P 3671341 IA

WORK ORDER: 367-03-2024
Printed by EBIS (EBISCloud.com)

404-04-2024 (04-30-2024) Page 1 / 1

MAKE: Diamond
MODEL: DA40
S/N: 40.716
REG. NO: N72MZ

Midwest Corporate Air
3100 State Route 47 West
Bellefontaine, OH 43311

W/O #: 404-04-2024
DATE: 04-30-2024
A/C TT: 3120.8
A/C Tach: 2043.1

Airframe Entries

• Performed 100 hour inspection IAW MM and inspection checklist.... • ELT test and inspect IAW FAR 91.207(d). No discrepancies noted. Next battery replacement due March 2031.... • Emergency battery due 8/31/2025.... • Researched and complied with all Airworthiness Directives. See compliance records.

I certify that this aircraft has been repaired and inspected in accordance with an ANNUAL/100 hour inspection and was determined to be in airworthy condition at this time.

DATE: 04-30-2024 SIGNED: Tim Kerns

Tim Kerns
FAA Cert A&P 3390695 IA

WORK ORDER: 404-04-2024
Printed by EBIS (EBISCloud.com)

434-05-2024 (05-21-2024) Page 1 / 1

MAKE: Diamond
MODEL: DA40
S/N: 40.716
REG. NO: N72MZ

Midwest Corporate Air
3100 State Route 47 West
Bellefontaine, OH 43311

W/O #: 434-05-2024
DATE: 05-21-2024
A/C TT: 3206.8
A/C Tach: 2129.1

Airframe Entries

• Installed serviceable solenoid P/N 26.58.09.

DATE: 05-21-2024 SIGNED: Alvin Minzler

Alvin Minzler
FAA Cert A&P 3099793

WORK ORDER: 434-05-2024
Printed by EBIS (EBISCloud.com)

437-05-2024 (05-24-2024) Page 1 / 1

MAKE: Diamond
MODEL: DA40
S/N: 40.716
REG. NO: N72MZ

Midwest Corporate Air
3100 State Route 47 West
Bellefontaine, OH 43311

W/O #: 437-05-2024
DATE: 05-24-2024
A/C TT: 3217.5
A/C Tach: 2139.8

Airframe Entries

• Performed 100 hour inspection IAW MM and inspection checklist.... • ELT test and inspect IAW FAR 91.207(d). No discrepancies noted. Next battery replacement due MAR 2031.... • Emergency battery due AUG 2025.... • Installed new L/H & R/H main Goodyear Flight Special 6.00-6, 6 ply tires P/N 301-027-420, S/N 32565316 & 32565263. Installed new Goodyear Flight Mate Butyl tubes P/N 302-246-401. See 8130-3 forms dated 12/18/2023. Installed new L/H and R/H brake linings P/N 066-14100.... • Researched and complied with all Airworthiness Directives. See compliance records.

I certify that this aircraft has been repaired and inspected in accordance with an ANNUAL/100 hour inspection and was determined to be in airworthy condition at this time.

DATE: 05-24-2024 SIGNED: Tim Kerns

Tim Kerns
FAA Cert A&P 3390695 IA

WORK ORDER: 437-05-2024
Printed by EBIS (EBISCloud.com)

447-05-2024 (05-30-2024) Page 1 / 1

MAKE: Diamond
MODEL: DA40
S/N: 40.716
REG. NO: N72MZ

Midwest Corporate Air
3100 State Route 47 West
Bellefontaine, OH 43311

W/O #: 447-05-2024
DATE: 05-30-2024
A/C TT: 3249.1
A/C Tach: 2171.4

Airframe Entries

• Installed new Nose Goodyear Flight Special 5.00-5-10 ply tire P/N 505C01-2. Installed new Goodyear Flight Mate Butyl tube P/N 301-018-420.

I certify that this aircraft has been repaired and inspected in accordance with an ANNUAL/100 hour inspection and was determined to be in airworthy condition at this time.

DATE: 05-30-2024 SIGNED: Brian J. Fisher

Brian Fisher
FAA Cert A&P 3671341 IA

WORK ORDER: 447-05-2024
Printed by EBIS (EBISCloud.com)

472-06-2024 (06-17-2024) Page 1 / 1

MAKE: Diamond
MODEL: DA40
S/N: 40.716
REG. NO: N72MZ

Midwest Corporate Air
3100 State Route 47 West
Bellefontaine, OH 43311

W/O #: 472-06-2024
DATE: 06-17-2024
A/C TT: 3306.2
A/C Tach: 2228.5

Airframe Entries

• Installed new #4 EGT sensor P/N A002BG-WIP.

DATE: 06-17-2024 SIGNED: Tim Kerns

Tim Kerns
FAA Cert A&P 3390695 IA

WORK ORDER: 472-06-2024
Printed by EBIS (EBISCloud.com)

462-06-2024 (06-10-2024) Page 1 / 1

MAKE: Diamond
MODEL: DA40
S/N: 40.716
REG. NO: N72MZ

Midwest Corporate Air
3100 State Route 47 West
Bellefontaine, OH 43311

W/O #: 462-06-2024
DATE: 06-10-2024
A/C TT: 3283.6
A/C Tach: 2205.9

Airframe Entries

• Installed new left pedal adjustment fuse P/N DS_FU2-FF5-FR4_2R4.

DATE: 06-10-2024 SIGNED: Tim Kerns

Tim Kerns
FAA Cert A&P 3390695 IA

WORK ORDER: 462-06-2024
Printed by EBIS (EBISCloud.com)

DATE

BROUGHT FORWARD

479-06-2024 (06-20-2024)

MAKE: Diamond
MODEL: DA40
S/N: 40.716
REG. NO: N72MZ

Midwest Corporate Air
3100 State Route 47 West
Bellefontaine, OH 43311

W/O #: 479-06-2024
DATE: 06-20-2024
A/C TT: 3316.0
A/C Tach: 2238.3

Airframe Entries

• Performed 100 hour inspection IAW MM and inspection checklist.... • ELT test and inspect IAW FAR 91.207(d). No discrepancies noted. Next battery replacement due 03/31/2031.... • Emergency battery due AUG 2025.... • Researched and complied with all Airworthiness Directives. See compliance records.

I certify that this aircraft has been repaired and inspected in accordance with an ANNUAL/100 hour inspection and was determined to be in airworthy condition at this time.

DATE: 06-20-2024 SIGNED: Tim Kerns
FAA Cert A&P 3390695 IA

WORK ORDER: 479-06-2024
Printed by EBIS (EBISCloud.com)

526-07-2024 (07-16-2024) Page 1 / 1

MAKE: Diamond
MODEL: DA40
S/N: 40.716
REG. NO: N72MZ

Midwest Corporate Air
3100 State Route 47 West
Bellefontaine, OH 43311

W/O #: 526-07-2024
DATE: 07-16-2024
A/C TT: 3410.8
A/C Tach: 2333.1

Airframe Entries

• Performed 100 hour inspection IAW MM and inspection checklist.... • ELT test and inspect IAW FAR 91.207(d). No discrepancies noted. Next battery replacement due 03/31/2031.... • Emergency battery due AUG 2025.... • Installed new MT Propeller Governor P/N P-860-23, S/N 22G703-K. ... • Researched and complied with all Airworthiness Directives. See compliance records.

I certify that this aircraft has been repaired and inspected in accordance with a 100 hour inspection and was determined to be in airworthy condition at this time.

DATE: 07-16-2024 SIGNED: Michael A Stevens
Michael Stevens
FAA Cert number pending

WORK ORDER: 526-07-2024
Printed by EBIS (EBISCloud.com)

539-07-2024 (07-23-2024) Page 1 / 1

MAKE: Diamond
MODEL: DA40
S/N: 40.716
REG. NO: N72MZ

Midwest Corporate Air
3100 State Route 47 West
Bellefontaine, OH 43311

W/O #: 539-07-2024
DATE: 07-23-2024
A/C TT: 3438.7
A/C Tach: 2361.0

Airframe Entries

• Installed new fuel boost pump P/N: 5100-00-9CJ, S/N MC00127.

DATE: 07-23-2024 SIGNED: Tim Kerns
FAA Cert A&P 3390695 IA

WORK ORDER: 539-07-2024
Printed by EBIS (EBISCloud.com)

552-07-2024 (07-30-2024) Page 1 / 1

MAKE: Diamond
MODEL: DA40
S/N: 40.716
REG. NO: N72MZ

Midwest Corporate Air
3100 State Route 47 West
Bellefontaine, OH 43311

W/O #: 552-07-2024
DATE: 07-30-2024
A/C TT: 3458.2
A/C Tach: 2380.5

Airframe Entries

• Installed serviceable Weldon Fuel Pump P/N 18002-B.

DATE: 07-30-2024 SIGNED: Lee D. Myers
Lee Myers
FAA Cert 4583781

WORK ORDER: 552-07-2024
Printed by EBIS (EBISCloud.com)

586-08-2024 (08-13-2024) Page 1 / 1

MAKE: Diamond
MODEL: DA40
S/N: 40.716
REG. NO: N72MZ

Midwest Corporate Air
3100 State Route 47 West
Bellefontaine, OH 43311

W/O #: 586-08-2024
DATE: 08-13-2024
A/C TT: 3509.7
A/C Tach: 2432.0

Airframe Entries

• Performed 100 hour inspection IAW MM and inspection checklist.... • ELT test and inspect IAW FAR 91.207(d). No discrepancies noted. Next battery replacement due 03/31/2031.... • Emergency battery due AUG 2025.... • Researched and complied with all Airworthiness Directives. See compliance records.

I certify that this aircraft has been repaired and inspected in accordance with a 100 hour inspection and was determined to be in airworthy condition at this time.

DATE: 08-13-2024 SIGNED: Alvin Minzler
Alvin Minzler
FAA Cert A&P 3099793

WORK ORDER: 586-08-2024
Printed by EBIS (EBISCloud.com)

CARRIED FORWARD

Airworthiness Directives

Diamond (Austria) DA 40

Compliance Report

Date: 09/05/2024 **Make/Model:** Diamond (Austria) DA 40 **Tail #** N72MZ **Serial #** 40.716

Airframe Hours: 3561.5

Misc:

Engine: Lycoming IO-360-M1A **Serial #:** L-32470-51A **Hours:** 839.2

Propeller: MT MTV-12 **Serial #:** 001269- **Hours:** 382.2

Engine: Lycoming IO-360-M1A

AD# Eff Date Category	Subject	Date/Hours at Compliance	Method of Compliance	Rec	Date/Hours Next Due	Signature and Number
15-19-07 11/03/15 Engine	Fuel Injector Fuel Lines and Clamps	8/13/24, 2432.0	C/W by visual inspection, next due in 110 hours.	Yes	110 hours	Timothy Kerns AP 3390695 IA

Appliance: Power Plant - Ignition - Switches

AD# Eff Date Category	Subject	Date/Hours at Compliance	Method of Compliance	Rec	Date/Hours Next Due	Signature and Number
93-05-06 04/29/93 Appliance	Ignition Switches - Failure	1/8/24 2830.2 TT	Due every 2000 hours.	Yes	4830.2 TT	Timothy Kerns AP 3390695 IA

ENTR

SIGNATURE	LICENCE NUMBER

600-08-2024 (08-21-2024) Page 1 / 1

MAKE: Diamond
MODEL: DA40
S/N: 40.716
REG. NO: N72MZ

Midwest Corporate Air
3100 State Route 47 West
Bellefontaine, OH 43311

W/O #: 600-08-2024
DATE: 08-21-2024
A/C TT: 3536.2
A/C Tach: 2458.5

Airframe Entries

• Installed new diamond pedal adjustment motor fuse P/N DS_FU2-FF5-FR4-PR4.

DATE: 08-21-2024

SIGNED:
Tim Kerns
FAA Cert A&P 3390695 IA

WORK ORDER: 600-08-2024
Printed by EBIS (EBISCloud.com)

603-08-2024 (08-22-2024) Page 1 / 1

MAKE: Diamond
MODEL: DA40
S/N: 40.716
REG. NO: N72MZ

Midwest Corporate Air
3100 State Route 47 West
Bellefontaine, OH 43311

W/O #: 603-08-2024
DATE: 08-22-2024
A/C TT: 3542.7
A/C Tach: 2465.0

Airframe Entries

• Installed new R/H main Goodyear Flight Custom II 15-6.00-6 tire P/N 301-002-006, S/N 40050303. See 8130-3 form dated 1/23/24.

DATE: 08-22-2024

SIGNED:
Tim Kerns
FAA Cert A&P 3390695 IA

WORK ORDER: 603-08-2024
Printed by EBIS (EBISCloud.com)

616-08-2024 (08-28-2024) Page 1 / 1

MAKE: Diamond
MODEL: DA40
S/N: 40.716
REG. NO: N72MZ

Midwest Corporate Air
3100 State Route 47 West
Bellefontaine, OH 43311

W/O #: 616-08-2024
DATE: 08-28-2024
A/C TT: 3561.5
A/C Tach: 2483.8

Airframe Entries

• Performed 50 hour inspection IAW MM and inspection checklist.... • Installed new L/H & R/H main Goodyear Flight Special 6.00-6, 6 ply tires P/N 301-027-420. ... • Researched and complied with all Airworthiness Directives. See compliance list.

I certify that this aircraft has been repaired and inspected in accordance with a 50 hour inspection and was determined to be in airworthy condition at this time.

DATE: 08-28-2024

SIGNED:
Tim Kerns
FAA Cert A&P 3390695 IA

WORK ORDER: 616-08-2024
Printed by EBIS (EBISCloud.com)

637-09-2024 (09-11-2024) Page 1 / 1

MAKE: Diamond
MODEL: DA40
S/N: 40.716
REG. NO: N72MZ

Midwest Corporate Air
3100 State Route 47 West
Bellefontaine, OH 43311

W/O #: 637-09-2024
DATE: 09-11-2024
A/C TT: 3606.9
A/C Tach: 2529.2

Airframe Entries

• Performed 100 hour inspection IAW MM and inspection checklist.... • ELT test and inspect IAW FAR 91.207(d). No discrepancies noted. Next battery replacement due March 2031.... • Emergency battery due August 2025.... • Installed 4 ea new brake linings P/N 066-14100.... • Performed hard landing inspection IAW Diamond AMM 05-50-00. No defects noted.... • Installed new Diamond 5 amp fuse to pilot seat pedal adjustment motor P/N DS_FU2-FF5-FR4-PR4.... • Performed essential bus inspection IAW Diamond MM 04-00-00.... • Researched and complied with all Airworthiness Directives. See compliance records.

I certify that this aircraft has been repaired and inspected in accordance with a 100 hour inspection and was determined to be in airworthy condition at this time.

DATE: 09-11-2024

SIGNED:
Lee Myers
FAA Cert 4583781 A&P

WORK ORDER: 637-09-2024
Printed by EBIS (EBISCloud.com)

696-10-2024 (10-16-2024) Page 1 / 1

MAKE: Diamond
MODEL: DA40
S/N: 40.716
REG. NO: N72MZ

Midwest Corporate Air
3100 State Route 47 West
Bellefontaine, OH 43311

W/O #: 696-10-2024
DATE: 10-16-2024
A/C TT: 3699.1
A/C Tach: 2621.4

Airframe Entries

• Installed new Hartzell Starter P/N 149-24LS, S/N H-Y070507. See 8130-3 form dated 7/12/2024. Installed new Lycoming Ring Gear 12/14 pitch, P/N 72566. Installed new Propeller Governor Gasket P/N MS9144-01.

DATE: 10-16-2024

SIGNED:
Alvin Minzler
FAA Cert 3099793 A&P

WORK ORDER: 696-10-2024
Printed by EBIS (EBISCloud.com)

DATE

BROUGHT FORWARD

UIRED FOR COMPLETE

700-10-2024 (10-18-2024)

MAKE: Diamond
MODEL: DA40
S/N: 40.716
REG. NO: N72MZ

Midwest Corporate Air
3100 State Route 47 West
Bellefontaine, OH 43311

W/O #: 700-10-2024
DATE: 10-18-2024
A/C TT: 3705.0
A/C Tach: 2627.3

Airframe Entries

• Performed 100 hour inspection IAW MM and inspection checklist.... • ELT test and inspect IAW FAR 91.207(d). No discrepancies noted. Next battery replacement due 03/31/2031.... • Emergency battery due August 2025.... • Installed new R/H MLG Support Bracket P/N D41-3213-01-52_1.... • Installed new Prop Governor P/N P-860-23, S/N 22G705-K. See Form One dated 7/31/23.... • Researched and complied with all Airworthiness Directives. See compliance records.

I certify that this aircraft has been repaired and inspected in accordance with a 100 hour inspection and was determined to be in airworthy condition at this time.

DATE: 10-18-2024 SIGNED:
Tim Kerns
FAA Cert A&P 3390695 IA

WORK ORDER: 700-10-2024
Printed by EBIS (EBISCloud.com)

714-10-2024 (10-25-2024)

MAKE: Diamond
MODEL: DA40
S/N: 40.716
REG. NO: N72MZ

Midwest Corporate Air
3100 State Route 47 West
Bellefontaine, OH 43311

W/O #: 714-10-2024
DATE: 10-25-2024
A/C TT: 3730.1
A/C Tach: 2652.4

Airframe Entries

• Installed 4ea new L/H & R/H Rapco brake linings P/N RA066-14100.

DATE: 10-25-2024 SIGNED:
Lee Myers
FAA Cert 4583781 A&P

WORK ORDER: 714-10-2024
Printed by EBIS (EBISCloud.com)

725-11-2024 (11-04-2024)

MAKE: Diamond
MODEL: DA40
S/N: 40.716
REG. NO: N72MZ

Midwest Corporate Air
3100 State Route 47 West
Bellefontaine, OH 43311

W/O #: 725-11-2024
DATE: 11-04-2024
A/C TT: 3754.7
A/C Tach: 2677.0

Airframe Entries

• Performed 50 hour inspection IAW MM and inspection checklist.... • Installed new Diamond flap up indicator bulb P/N 430552.... • Installed new Nose Goodyear Flight Special 5.00-5-6 ply tire P/N 301-016-420, S/N 41470120. See 8130-3 form dated 7/15/24.... • Researched and complied with all Airworthiness Directives. See compliance list.

I certify that this aircraft has been repaired and inspected in accordance with a 50 hour inspection and was determined to be in airworthy condition at this time.

DATE: 11-04-2024 SIGNED:
Joe Spaulding
FAA Cert Pending A&P

WORK ORDER: 725-11-2024
Printed by EBIS (EBISCloud.com)

748-11-2024 (11-20-2024)

MAKE: Diamond
MODEL: DA40
S/N: 40.716
REG. NO: N72MZ

Midwest Corporate Air
3100 State Route 47 West
Bellefontaine, OH 43311

W/O #: 748-11-2024
DATE: 11-20-2024
A/C TT: 3804.5
A/C Tach: 2726.8

Airframe Entries

• Performed 100 hour inspection IAW MM and inspection checklist.... • ELT test and inspect IAW FAR 91.207(d). No discrepancies noted. Next battery replacement due 3/31/2031.... • Emergency battery next due AUG 2025. ... • C/W 500 hour Powerflow Exhuast inspection IAW ICA.... • Researched and complied with all Airworthiness Directives. See compliance records.

I certify that this aircraft has been repaired and inspected in accordance with a 100 hour inspection and was determined to be in airworthy condition at this time.

DATE: 11-20-2024 SIGNED:
Joe Spaulding
FAA Cert Pending A&P

WORK ORDER: 748-11-2024
Printed by EBIS (EBISCloud.com)

792-12-2024 (12-30-2024)

MAKE: Diamond
MODEL: DA40
S/N: 40.716
REG. NO: N72MZ

Midwest Corporate Air
3100 State Route 47 West
Bellefontaine, OH 43311

W/O #: 792-12-2024
DATE: 12-30-2024
A/C TT: 3853.5
A/C Tach: 2775.8

Airframe Entries

• Performed 50 hour inspection IAW MM and inspection checklist.... • Installed new L/H main Goodyear Flight Special 15-6.00-6 tire P/N 606C61B1, S/N 33285351. Installed new Goodyear Flight Mate Butyl tube P/N 302-246-401. See 8130-3 form dated 2/13/24.... • Researched and complied with all Airworthiness Directives. See compliance list.

I certify that this aircraft has been repaired and inspected in accordance with a 50 hour inspection and was determined to be in airworthy condition at this time.

DATE: 12-30-2024 SIGNED:
Alvin Minzler
FAA Cert 3099793 A&P

WORK ORDER: 792-12-2024
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ENTRIES. DRAW

ATURE | LICENCE NUMBER

799-12-2024 (12-31-2024) Page 1 / 1

MAKE: Diamond
MODEL: DA40
S/N: 40.716
REG. NO: N72MZ

Midwest Corporate Air
3100 State Route 47 West
Bellefontaine, OH 43311

W/O #: 799-12-2024
DATE: 12-31-2024
A/C TT: 3855.9
A/C Tach: 2778.2

Airframe Entries

• AD 2024-19-08 was previously complied with by installation of serviceable NLG on 3/8/2023 at 969.2 tach.

DATE: 12-31-2024 SIGNED: Tim Kerns
FAA Cert A&P 3390695 IA

WORK ORDER: 799-12-2024
Printed by EBIS (EBISCloud.com)

827-01-2025 (01-20-2025) Page 1 / 1

MAKE: Diamond
MODEL: DA40
S/N: 40.716
REG. NO: N72MZ

Midwest Corporate Air
3100 State Route 47 West
Bellefontaine, OH 43311

W/O #: 827-01-2025
DATE: 01-20-2025
A/C TT: 3871.3
A/C Tach: 2793.6

Airframe Entries

• Installed new flap T/O position light P/N 430552.

DATE: 01-20-2025 SIGNED: Joe Spaulding
FAA Cert 3866135 A&P

WORK ORDER: 827-01-2025
Printed by EBIS (EBISCloud.com)

840-01-2025 (01-30-2025) Page 1 / 1

MAKE: Diamond
MODEL: DA40
S/N: 40.716
REG. NO: N72MZ

Midwest Corporate Air
3100 State Route 47 West
Bellefontaine, OH 43311

W/O #: 840-01-2025
DATE: 01-30-2025
A/C TT: 3896.5
A/C Tach: 2818.8

Airframe Entries

• Performed ANNUAL inspection IAW MM and inspection checklist.... • ELT test and inspect IAW FAR 91.207(d). No discrepancies noted. Next battery replacement due 03/31/2031.... • Installed new emergency battery P/N D41-2560-93-00, S/N 2241220221. Next due January 2027. ... • Installed new Tail Fin Protection P/N DA4-5183-00-61.... • Installed new Fuel Level Switch P/N RFS-12-2-WIP.... • Installed rebuilt Powerflow exhaust tailpipe P/N 80062, S/N 20241709. ... • Installed new #3 intake riser gasket P/N 71973.... • Installed 2 ea new, #1 & #3 exhaust gaskets P/N SL77611.... • C/W Chapter 4 Bonding & Static Discharge System by measuring resistance per Section 51-80. Next due in 1000 hours.... • Researched and complied with all Airworthiness Directives. See compliance records.

I certify that this aircraft has been repaired and inspected in accordance with a 100 hour inspection and was determined to be in airworthy condition at this time.

DATE: 01-30-2025 SIGNED: Tim Kerns
FAA Cert A&P 3390695 IA

WORK ORDER: 840-01-2025
Printed by EBIS (EBISCloud.com)

856-02-2025 (02-17-2025) Page 1 / 1

MAKE: Diamond
MODEL: DA40
S/N: 40.716
REG. NO: N72MZ

Midwest Corporate Air
3100 State Route 47 West
Bellefontaine, OH 43311

W/O #: 856-02-2025
DATE: 02-17-2025
A/C TT: 3912.2
A/C Tach: 2834.5

Airframe Entries

• Installed new Transducer Fuel Level, 66in wired P/N 301011-WIP. Installed new CJ Fuel Pump P/N 5100-00-9CJ, S/N MC00176.

DATE: 02-17-2025 SIGNED: Joe Spaulding
FAA Cert 3866135 A&P

WORK ORDER: 856-02-2025
Printed by EBIS (EBISCloud.com)

954-04-2025 (08-21-2025) Page 1 / 1

MAKE: Diamond
MODEL: DA40
S/N: 40.716
REG. NO: N72MZ

Midwest Corporate Air
3100 State Route 47 West
Bellefontaine, OH 43311

W/O #: 954-04-2025
DATE: 08-21-2025
A/C TT: 3918.6
A/C Tach: 2840.9

Airframe Entries

• Installed new Diamond Transducer, Fuel Level, LRT Wired, P/N 3010050-WIP.... • C/W AD 2024-19-08 by dye pen inspection, next due in 110 hours.

DATE: 08-21-2025 SIGNED: Tim Kerns
FAA Cert A&P 3390695 IA

WORK ORDER: 954-04-2025
Printed by EBIS (EBISCloud.com)

Reg. Mark	Hobbs	Make	Model	S/N
N72MZ	4964.1	Diamond Aircraft	DA 40	40.716

1. Checked all Garmin configurations and reset as needed. Performed check on the Fuel Quantity from zero to full. System ground checks good. Replaced Magnetometer with exchange unit Garmin GMU 44, p/n 011-00870-00, s/n 47519258. Performed alignment and configuration as needed, and system ground checks good. Work performed IAW Garmin G1000 Line Maintenance Manual for Diamond Aircraft DA40, 190-00545-01, revision J.

The article has been repaired and inspected in accordance with current FAA regulations and was determined to be airworthy with respect to the maintenance, preventative maintenance or alterations performed.

Details are on file at this C.R.S under Work Order No. A-25-6082

Date 9/3/2025 Signed _____ Inspector For Muncie Aviation Company

CRS# AJVR135C, Muncie, Indiana 47303 765-289-7141

Reg. Mark	Hobbs	Make	Model	S/N
N72MZ	4964.1	Diamond Aircraft	DA 40	40.716

I certify that the altimeter / static system, transponder, and encoder have been tested as required by FAR 91.217, 91.411, and 91.413. Units were found to comply with the limits set in FAR 43, Appendices E & F

to 20,000 ft

Pilot's PFD: Mfg. Garmin P/N 011-00882-00 S/N 47807256

Date Tested: 9/3/2025

Pilot's Analog: Mfg. United Instruments P/N 5934PD-3 S/N 456115

Date Tested: 9/3/2025

Transponder #1: Mfg. Garmin Model GTX 345R S/N 3EH440443

Encoder #1: Mfg. Garmin Model GDC 74A S/N 47807256

Details of the inspection are on file at this C.R.S. under Work Order No.: A-25-6082

Date 9/3/2025 Signed _____ Inspector For Muncie Aviation Company

CRS# AJVR135C, Muncie, Indiana 47303 765-289-7141

Altimeter Scale Correction Card

Altimeter P/N 011-00882-00 GDC74A

Altimeter S/N 47807256

Test Point Feet	Altimeter Reading	Test Point Feet	Altimeter Reading
-1000	-1010	14000	13970
0	-10	16000	15970
500	490	18000	17960
1000	990	20000	19960
1500	1490	22000	NA
2000	1990	25000	NA
3000	2990	30000	NA
4000	3980	35000	NA
6000	5980	40000	NA
8000	7980	45000	NA
10000	9980	50000	NA
12000	11970		

Tested By: _____ 2067

Inspector: CLARK

Date: 9-3-2025

Muncie Aviation Co. CRS# AJVR135C
5201 N. Walnut St.
Muncie, IN 47303

PFD

Altimeter Scale Correction Card

Altimeter P/N 5934PD-3

Altimeter S/N 456115

Test Point Feet	Altimeter Reading	Test Point Feet	Altimeter Reading
-1000	-1010	14000	13950
0	0	16000	15960
500	490	18000	17970
1000	1000	20000	19980
1500	1490	22000	NA
2000	2000	25000	NA
3000	3000	30000	NA
4000	3990	35000	NA
6000	5980	40000	NA
8000	7960	45000	NA
10000	9950	50000	NA
12000	11950		

Tested By: _____ 2067

Inspector: CLARK

Date: 9-3-2025

Muncie Aviation Co. CRS# AJVR135C
5201 N. Walnut St.
Muncie, IN 47303

Pilots Stby

CARRIED FORWARD

1311-09-2025 (09-15-2025) Page 1 / 1

MAKE: Diamond
MODEL: DA40
S/N: 40.716
REG. NO: N72MZ

Midwest Corporate Air
3100 State Route 47 West
Bellefontaine, OH 43311

W/O #: 1311-09-2025
DATE: 09-15-2025
A/C TT: 3930.9
A/C Tach: 2853.2

Airframe Entries

• Installed new Xenon bulb in Landing Light P/N XVD14KS-P-XSV. Installed new 5A Fuse Assy P/N DS_FU2-FF5-FR4-PR4 to repair rudder pedals.

DATE: 09-15-2025

SIGNED: Joey Spaulding
Joe Spaulding
FAA Cert 3866135 A&P

WORK ORDER: 1311-09-2025
Printed by EBIS (EBISCloud.com)

RD

20

ANS.	SIGNATURE	LICENCE NUMBER