



**CENTURY FLIGHT SYSTEMS, INC.**

KIT NO N801000-3514

SERIAL NO. N802640

MINERAL WELLS, TX

**AIRCRAFT**

1. Nationality and Registration N 989 CT
2. Manufacturer's Designation DA 20-C1
3. Manufacturer's Serial Number C0089
4. Type Approval or Specification Number A-191/TA4CH
5. Date of Manufacture 1999
6. Aircraft Inspection Cycle \_\_\_\_\_

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE																												
	HRS.	MIN.	HRS.	MIN.																													
BROUGHT FORWARD																																	
<div style="border: 1px solid black; padding: 5px;"> <b>DIAMOND AIRCRAFT INDUSTRIES</b>  <b>D.O.T. APPROVED MANUFACTURER</b>  161-93 </div>					<div style="border: 1px solid black; padding: 5px;"> <b>COMPASS DEVIATION, ALL ELECTRICS ON</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>FOR</th> <th>N</th> <th>30</th> <th>60</th> <th>E</th> <th>120</th> <th>150</th> </tr> </thead> <tbody> <tr> <td>STEER</td> <td>001</td> <td>031</td> <td>059</td> <td>090</td> <td>119</td> <td>148</td> </tr> <tr> <td>FOR</td> <td>S</td> <td>210</td> <td>240</td> <td>W</td> <td>300</td> <td>330</td> </tr> <tr> <td>STEER</td> <td>176</td> <td>209</td> <td>240</td> <td>272</td> <td>301</td> <td>330</td> </tr> </tbody> </table> </div>	FOR	N	30	60	E	120	150	STEER	001	031	059	090	119	148	FOR	S	210	240	W	300	330	STEER	176	209	240	272	301	330
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<div style="border: 1px solid black; padding: 5px; text-align: center;"> I HEREBY CERTIFY THAT THIS AIRCRAFT CONFORMS TO THE APPROVED TYPE DESIGN DATA AND IS IN A FIT AND SAFE STATE FOR FLIGHT.   <table style="width: 100%;"> <tr> <td style="width: 50%;"><b>DATE</b></td> <td style="width: 50%;"><b>INSPECTOR</b></td> </tr> <tr> <td>July 29/99 W. Gandy</td> <td>DA Q12</td> </tr> </table> </div>						<b>DATE</b>	<b>INSPECTOR</b>	July 29/99 W. Gandy	DA Q12																								
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**Diamond**  
Date: 29 Oct. 99 S/N: C0089 Reg: N989CT WO#: NCR# A99C-0275 Tach: 6.3  
  
Removed Oil Temperature Gauge P/N 22-7930-00-01 per NCR # A99C-0275 and Replaced with conforming P/N 22-7930-00-01 with proper lower red line indication.  
  
The maintenance described above has been performed in accordance with the applicable standards of airworthiness.  
  
**DIAMOND AIRCRAFT INDUSTRIES D.O.T. APPROVAL # 161-93**  
  
Signature W. Gandy      Date Or Stamp DA R021

**CARRIED FORWARD**

# ENGINEERING RECORD

1

## INSPECTION, REPAIRS & REPLACEMENT

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

SIGNATURE

LICENCE  
NUMBER

I certify that the ATC Transponder & Altitude Reporting System(s) have been tested in Accordance with Chapter 571, appendix F of the Airworthiness Manual and F.A.R. 91:217 & F.A.R. 91:413

DATE:

INSPECTOR

DA  
Q 16

JULY 9, 1999 T. McNamee

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

DATE:

INSPECTOR

DA  
Q 16

JULY 9, 1999

T. McNamee

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

DATE:

INSPECTOR

DA  
Q 16

JULY 9/99 T. McNamee

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

DATE

INSPECTOR

DA  
Q 16

JULY 16, 1999

T. McNamee

Mark Faust  
Mark Faust  
Mark Faust

DA  
Q 17  
Q 17  
Q 17

U.S. STANDARD AIRWORTHINESS CERTIFICATE ISSUED

DATE 08/06/99 AND INSTALLED IN THE


AIRCRAFT ON BEHALF OF THE FAA ON:

DATE 08/06/99







INSPECTION, REPAIRS & REPLACEMENT ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER
Weight and Balance amended EWCG 1233 lbs @ 8.62" Equipment List updated Compass swing carried out Conformity Certificate - 337 completed Pitot Static Test carried out Transponder Encoder Correlation carried out Electrical load analysis completed		
The maintenance described above has been performed in accordance with the applicable standards of airworthiness.		
DIAMOND AIRCRAFT INDUSTRIES D.O.T. APPROVAL #161-93		
Signature <u>N. Aretts</u> Lic or Stamp <u>DA R021</u>		
 Date: 09 Dec. 99 S/N: C0089 Reg: N989CT WO#: DA-C1-089-CC Tach: 6.3		
I certify that the Static Pressure System has been inspected and tested in Accordance with chapter 571, Appendix B of the Airworthiness Manual F.A.R. 91:411.		
DIAMOND AIRCRAFT INDUSTRIES D.O.T. APPROVAL # 161-93.		
Signature <u>N. Aretts</u> Lic. Or Stamp <u>DA R021</u>		
I certify that the ATC Transponder & Altitude Reporting System(s) have been tested in Accordance with Chapter 571, Appendix F of the Airworthiness Manual and F.A.R. 91:217: & F.A.R. 91:413.		
DIAMOND AIRCRAFT INDUSTRIES D.O.T. APPROVAL # 161-93		
Signature <u>N. Aretts</u> Lic. Or Stamp <u>DA R021</u>		

## AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD					
DEC 18, 1999 18 DEC 99			8	.9	DEFECT FOUND: NAV 2 LOC IS NAV. 2 WIRING REPAIRED. FUNCTION OK DISPLAY FAULT.(LINE THEN DISPLAY.) REMOVED S/N 96305370 NEW. FOUND CANOPY SET PILOT LATCH. WORK CONTINUED ON W/O
					DIAMOND AIRCRAFT IND. D.O.T APPROVAL # 161-93
21 DEC 99			8	.9	<p><b>Diamond</b> Date: Dec. 22, 99 S/N: C0089 Reg: N989CT WO#: DA20-C1-089-CC TTSN: 8.9</p> <p>Audio panel P/N PMA7000, S/N G01920-E01892 removed - P/N PMA7000-S/M, S/N G02258-E02222 installed new. Equipment list amended. R18A- Sensenich Propeller, "Loss of Propeller Bolt Torque" C/W - 10 days. Release torque 250 in lbs - re-torqued to 250in lbs.</p> <p>Next torque check due Jan. 1, 2000 or 10 Flight Hours.</p> <p>The maintenance described above has been performed in accordance with the applicable standards of airworthiness.</p> <p>DIAMOND AIRCRAFT INDUSTRIES D.O.T. APPROVAL #161-93</p> <p>Signature <u>N. Ault</u> Lic or Stamp <u>DA R021</u></p>
23 DEC 99			12	4	DELIVERED TO KLUX FOR ACCEPTANCE
					CARRIED FORWARD

## ENGINEERING RECORD

INSPECTION, REPAIRS & REPLACEMENT ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER
REVERSE SENSING - GLIDESLOPE OK.	J. B. 207	C-3429
OK. FOUND GARMIN GNS 430 WITH SCREEN		
VED GARMIN GNS 430 SN 96304167 AND INSTALLED		
LEAKING. REPLACED CANOPY SEAL & ADJUSTED		
DA 20-C1-089-CC.		
THE MAINTENANCE DESCRIBED ABOVE HAS BEEN		
PERFORMED IN ACCORDANCE WITH THE APPLICABLE	x N. A. 207	DA R021
STANDARDS OF AIRWORTHINESS.		

## AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD					
2-17-00			23	9	inspected in accordance WITH DA 20-CI 101R check list Paul Hubble DP 2098762
3-17-00			27	2	INSTALLED STABILIZER VIBRATOR BATTERY KIT IN ACCORDANCE WITH SB DA CI-74-02 RWHOP on Paul Hubble DP 2099762
6-1-00					INSTALLED G35M AAD AN DACI-24-03 ANK I IN accordance with SB DACI-24-03 R1 Paul Hubble DP 2099762
6-12-00					INSTALLED NEW NOSE TOWER + TUBE Paul Hubble DP 2099762
2-20-01			117	9	INSPECTED IN ACCORDANCE CHECK LIST REPLACED REPAIRED WHEEL BEARINGS IAW SB DACI-55-01A REV 1 TESTED FLT IAW 91.207 OPS CUR ORAPT HAS BEEN inspected INSPECTION AND WAS CONDITIONAL
3-15-01			122	5	INSTALLED NEW STABILIZER MOUNT BRACKET IAW SB DACI-55-01A REV 2 Paul Hubble DP 2099762
					CARRIED FORWARD



## INSPECTION, REPAIRS &amp; REPLACEMENT

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

SIGNATURE

LICENCE  
NUMBER

2-17-00 F Conting that this aircraft  
has been inspected in accordance  
with our General Inspection and is  
determined to be in Airworthy  
condition. Paul H. Hall, A2089762

TT 23.9

## TELEDYNE CONTINENTAL® AIRCRAFT ENGINE

## SERVICE INFORMATION LETTER

Contains Useful Information Pertaining To Your Aircraft Engine

CATEGORY 5

SIL 00-11

Technical Portions FAA  
Approved

SUBJECT: RELEASE OF NEW CYLINDER INDUCTION PORT DRAIN CONNECTOR

PURPOSE: To Notify Owners, Operators and FBO's of the availability P/N 655742 Cylinder Induction Port Drain Connector, Replacing Drain Connector P/N 632068, To Enhance Cold Weather Engine Starting Characteristics.

COMPLIANCE: At Engine Overhaul, Cylinder Replacement or to Enhance Cold Weather Starting Characteristics.

## MODELS

AFFECTED: All IO-240-B, IO-360 series, LTSIO-360 series, and TSIO-360 series engines.

This Service Information Letter provides instruction for the installation of cylinder induction port fuel drain connectors P/N 655742.

Refer to the aircraft manufacturer's maintenance manual for instruction on removing engine fuel drain connectors P/N 632068.

WITH DA 20-C1 AMM MAINTENANCE  
BOTH MAIN TIRES AND NOSE TUBE  
REPLACED FRONT STABILIZER MOUNT ROD END  
NUTS AND PROP BOLTS AND RE SAFETY  
CHK OK F Conting that this  
is accordance with AN ANNUAL  
REVIEWING TO BE IN AIRWORTHY  
Paul H. Hall, A2089762

2-20-01 117.9 TT

## AIR TIME AND

[illegible]

**FAX COVER SHEET**

**Phone Menu Options:**  
**#1 Technical Support & Publications**  
**#2 Parts      #3 Warranty      #4 Accounts**

**THIS FAX CONTAINS IMPORTANT REVISED SAFETY INFORMATION REGARDING OPERATION OF THE DIAMOND AIRCRAFT DA20-C1. PLEASE DISTRIBUTE TO RESPONSIBLE PERSONNEL IMMEDIATELY.**

This Alert Service Bulletin is **Rev 3**, and has been issued to specify the **replacement** of the horizontal stabilizer forward mounting attachment with a **purpose built "WET INSTALLED" replacement assembly**. Please ensure that the instructions in this Alert Service Bulletin are complied with.

OR

If you have already complied with the previous Rev 2 of this service bulletin, please review the attached bulletin and reinspect the mounting attachment point. If you find any movement between the lower attachment point & vertical stabilizer, this bulletin should be complied with as soon as possible. If there are any questions, please contact Diamond Aircraft Customer Support at (519) 457-4041 (option #1).

**Yours Sincerely,**

**Robert Bennett**  
**Diamond Aircraft Customer Support.**

[illegible]



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DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD					
12-14-01	141	0			<p>AIRCRAFT INSPECTED IN ACCORDANCE WITH DA 20-01 ANM CHECK LIST</p> <p>Date: <u>12-14-01</u> Total time: <u>141</u></p> <p>I certify that this <u>AIRCRAFT</u> has been inspected in accordance with a <u>ANM</u> inspection and was determined to be in airworthy condition.</p> <p><i>Paul H. Wells AP 2098762 FA</i></p> <p>REPLACES ELT BATT AND TEST NOV 2003 REPAIRSHEET DATE <u>APRIL 11/01</u> <u>AP 2098762</u></p>
2-4-03	177	0			<p>AIRCRAFT INSPECTED IN ACCORDANCE WITH DA 20-01 ANM INSPECTION MANUAL</p> <p>Date: <u>2-4-03</u> Total Time: <u>177.0</u></p> <p>I certify that this aircraft has been inspected in accordance with a <u>ANM</u> inspection and was determined to be in airworthy condition.</p> <p><i>Paul H. Wells AP 2098762 FA</i></p>
3-23-04	200	0			<p>AIRCRAFT INSPECTED IN ACCORDANCE WITH DA 20-01 ANM INSPECT. 041 MANUAL CW 55E 2002-5 TCM</p> <p>REPLACES VALVE SPRING CW CSB 01-1 LEAK TEST OK CW DAK-71-02 REV 0</p> <p>CHECKED TORQUE OK CW SA 98-104 CHECKED AND ADJUSTED FUEL INJ SYSTEM</p> <p>RESTORE BUCK PROP</p> <p>Date: <u>3-24-04</u> Total Time: <u>200</u></p> <p>I certify that this aircraft has been inspected in accordance with a <u>ANM</u> inspection and was determined to be in airworthy condition.</p> <p><i>Paul H. Wells AP 2098762 FA</i></p>

## INSPECTION, REPAIRS &amp; REPLACEMENT

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SIGNATURE

LICENCE  
NUMBER

Airtolin logbook entry N989CT Tach time 218.5 3-2-05  
 Aircraft inspected in accordance with DA20-C1 amm  
 Inspection manual repacked wheel bearings checked tires  
 And brakes retorqued prop repaired nose wheel fairing  
 Tested elt law. 91-207D ok I certify that this aircraft has  
 Been inspected in accordance with an Annual inspection  
 And was determined to be in Airworthy condition  
 Michael H. Wells A&P2099762IA ttat 218.5

*Michael H. Wells* 3-2-05

Airtolin Inc. N989CT TT 233.3 6/22/06  
 Aircraft inspected using Diamond DA20-C1 AMM  
 Maintenance check list repacked wheel bearings inspected  
 Tires replaced 4 066-10600 brake pads Retorqued  
 Propeller replaced ELT battery and tested IAW 91-207d  
 Due 8/08 checked brake reservoir and battery water level  
 I certify that this aircraft has been inspected in accordance  
 With an Annual inspection and was determined to be in  
 Airworthy condition Michael H. Wells A&P2099762 IA  
 TTAF 233.3

*Michael H. Wells*

## Air Tolin

Lunken Airport Cincinnati, Ohio 513-871-8235  
 N989CT 10/14/08 TT248.4 total time same  
 repacked wheel bearings,inspected brakes and  
 tires.replaced ELT battery and tested IAW FAR 91-207d  
 OK. replacement battery due at9/10.  
 inspected aircraft in accordance with Diamond aircraft  
 maintenance check list. I certify that this aircraft has been  
 inspected in accordance with an Annual inspection and was  
 determined to be in airworthy condition.  
 Michael H. Wells A&P2099761-IA

*Michael H. Wells*

## Air Tolin

Lunken Airport Cincinnati, Ohio 513-871-8235

N989CT 5/22/09 TT.249.9 Hobbs.....  
 removed Dukes fuel pump Sent to Quality Aircraft  
 Accessories for overhaul. reinstalled pump after overhaul.  
 P/N5367-00-1 S/N0064. ground run and tested ok.  
 OK for return to service in regards to work done.  
 Michael H. Wells A&P2099762

*Michael H. Wells*

Air Tolin  
 Lunken Airport Cincinnati, Ohio 513-871-8235  
 N989CT 9/23/09  
 inspected bore of cylinders using bore scope.  
 did not find any rust or pitting of interior of cylinders.  
 Michael H. Wells A&P2099762

*Michael H. Wells*

## AIR TIME AND

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BROUGHT FORWARD						
4/20/04	202	24			Performed altimeter(s), static system and altitude reporting equipment tests as required by FAA Part 91.411 IAW FAR 43, Appendix E.	N989CT
					Static System Test Date	4-20-04
					Altimeter(s) Test Date	4-20-04
					LHS N	405614 RH S/N
					Encoder S/N	40992 Date 4-20-04 Tested to 20,000 ft
						APR 20 2004
					For Avionics, Inc.	FAA Repair Station DD1R082K
					Performed ATC transponder tests and Inspections as required by FAA Part 91.413 IAW FAR 43 Appendix F.	N989CT
					Date	4-20-04 Model KT-76C S/N 8280
					Date	APR 20 2004
					For Avionics, Inc.	FAA Repair Station DD1R082K
					AVIONICS, INC.	Altimeter S/N 405614
					DD1R082K	N989CT
					Altitude Ft.	Altimeter Reads
					-1000	-990
					0	0
					500	500
					1000	990
					2000	1490
					3000	2000
					4000	2980
					6000	5960
					8000	8000
					10000	9970
					12000	12000
					14000	14010
					16000	15980
					18000	17970
					20000	19990
					22000	
					25000	
					30000	
					35000	
					40000	
					45000	
					50000	
					Date	APR 20 2004
					Tested by	
					9-29-2009 Dainard DA20C1 N969CT	
					This is to certify that the ATC Transponder model KT76C S/N 8280	
					Installed in this aircraft, meets the FAA test as required by FAR91.413 and as outline in FAR43 appendix F.	
					This is to certify that the correspondence test required by FAR91.413 has been performed	
					in accordance with the procedure outlined in FAR43 Appendix E Paragraph C.	
					C.F. Airtronics, Inc.	
					9500 North Shore Dr.	
					Hillsboro, Ohio 45133	
					CRS#C3FR411J	
					Signed	

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

SIGNATURE

LICENCE  
NUMBER

1. Approving competent Authority/Country

*Autorité Compétente/Pays*DIRECTION GENERALE  
DE L'AVIATION CIVILE  
FRANCE

2.

AUTHORISED REL

*Certificat Lib.*

EASA

*Formulaire*

MICHELIN

HY

4.

Approved Organisation Name and Address  
*Nom et Adresse de l'Organisme agréé*MICHELIN LPAV- Place des Carmes  
Factory: Michelin Siam Company, Ltd 57 Moo 6, Nor6. Item  
*Item*

N/A

7. Description/Description

5.00-5/6/120

8. Part No/N° de pièce

072-312-0

13. Remarks  
*Remarques*Norme(s) : TSOC62 , ETSOC62  
ETSO Approval number : EASA.210.89214. Certifies that the items identified above were manufactured in conformity to :  
*Certifie que les éléments identifiés ci-dessus ont été fabriqués conformément aux :*

- ☒ approved design data and are in condition for safe operation  
*données de conception approuvées et sont en état de fonctionner en toute sécurité.*
- ☐ non-approved design data specified in block 13  
*données de conception non approuvées spécifiées dans la case 13*

15. Authorised Signature  
*Signature autorisée*

JITTAKORN SUKTO

Quality Assurance

QANKE - NO 02

Authorized

16. Approval / Authorisation Number  
*Numéro d'agrément / d'autorisation*

FR.21G.0100

17. Name/Nom

18. Date (d/m/y) / *Date (j/m/a)*  
08/Jul./2009EASA Form 1 - Issue 1 / Formulaire 1 de l'EASA - Edition 1 (\*) Installer must cross-check eligibility  
*applicables*

## USER/INSTALLER RESPONSIBILITIES / R

- Note :
1. It is important to understand that the existence of the document alone does not automatically constitute  
*Il est important de comprendre que de part son existence, ce document ne constitue pas forcément l'au*
  2. Where the user/installer works in accordance with the national regulations of an Airworthiness Authority  
*Airworthiness Authority accepts parts/components/assemblies from the Airworthiness Authority specifies*  
*Quand l'utilisateur/installateur travaille selon la réglementation nationale d'une autorité de navigabilité c*  
*son autorité de navigabilité accepte les pièces/composants/ensembles libérés par l'autorité de navigabi*
  3. Statements 14 and 19 do not constitute installation certification. In all cases the aircraft maintenance  
before the aircraft may be flown.  
*Les indications portées des cases 14 et 19 ne constituent pas une certification de montage. Dans*  
*règlements nationaux par l'utilisateur/installateur avant que l'aéronef puisse décoller.*



ARD

See page 7  
Certificate

# AIR TIME AND

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



Alternative Aviation Services, Inc.  
FAA Repair Station OA5R086N

1661 Airport Road  
Waterford, MI 48327-1304

Date 03/05/2010 Reg. No. N989CT S/N C0089  
W/O 17131

- Installed Main, GPS and Nav Americas software updates per Garmin Software Service Bulletins No.0844 , No. 0502 and Garmin 400 series maintenance manual #190-00140-05 Rev. B Dated Jan. 2001.

The aircraft and/or component identified above was repaired and/or inspected in accordance with current Federal Aviation regulations and found airworthy for return to service.

CRS OA5R086N

## J.A. AIR CENTER

Aurora Airport • Sugar Grove, IL 60554  
FAA Repair Station #NF2R029L

### AIRFRAME LOG ENTRY

Description of work done:

Type DA-20  
S/N 0089  
N# 989CT

Replaced 5000B-36 attitude gyro with  
SN/ T75947T, overhauled on 8130 #160221.

#### MAINTENANCE RELEASE

The aircraft, airframe, engine, appliance, or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of the repair are on file at this repair station under

wo 090400M Date 20 Apr 10 Tach/Hobbs 355

Signature

Inspector (print)

Doug Mall

CARRIED FORWARD

# ENGINEERING RECORD

A & M Maintenance Services, Inc. - 1C5  
Clow International Airport, Bolingbrook, IL.

LICENCE  
NUMBER

TYPE: ECLIPSE DA20-C1  
"N" #: N 989 CT  
DATE: 08/15/2010

TACH TIME: 393.6 Hrs.  
AIRFRAME TT: 393.6 Hrs.

At this time the defective Dukes, Inc. electric fuel pump, P/N 5367-00-1, S/N 0064, was removed and a newly overhauled fuel pump, P/N 5367-00-1, S/N 0248, from Dukes, Inc., W/O# R81609, dated 10/27/2009, was installed. Ops checked normal and no leaks noted at this time.

-----END-----

*John J. Blaha, Jr.*  
John J. Blaha, Jr.  
AP 2238954

A & M Maintenance Services, Inc. - 1C5  
Clow International Airport, Bolingbrook, IL.

TYPE: ECLIPSE DA20-C1  
"N" #: N 989 CT  
DATE: 10/25/2010

TACH TIME: 416.4 Hrs.  
AIRFRAME TT: 416.4 Hrs.

At this time the right-hand strobe light, P/N 02-0250276-0 and the right-hand nav light lens, P/N W1284-G were replaced. Ops checked normal.

-----END-----

*John J. Blaha, Jr.*  
John J. Blaha, Jr.  
AP 2238954

A & M Maintenance Services, Inc. - 1C5  
Clow International Airport, Bolingbrook, IL.

TYPE: DIAMOND DA20-C1  
"N" #: N 989CT  
DATE: 02/08/2011

TACH TIME: 436.2 Hrs.  
AIRFRAME TT: 436.2 Hrs.

At this time, the AIRCRAFT was opened and cleaned for inspection. All components were inspected and lubed in accordance with an ANNUAL/100-HOUR INSPECTION per Diamond Aircraft DA20-C1 Service Manual. The wheel bearings were cleaned, inspected, and greased. The main tires were replaced, 2ea Condor 5.00-5/6ply P/N: 072-312-0. The nose gear fork was cleaned, greased, and the tension was set. The brake discs 2ea P/N: APS164-24200 and linings 4ea P/N: APS66-10600 were replaced. The nose gear elastomer elements were replaced 10ea P/N: 22-3220-05-06\_1, 1ea P/N: DV2-9032-23-02. The nose gear steering stops were replaced 2ea P/N: 20-3220-01-04. The fuel strainer was removed, cleaned, inspected, and installed. The fuel cap was disassembled, cleaned, and installed with new o-rings, 1ea P/N: VM0150-00500 and 1ea P/N: VM0350-04500. The induction air filter element was replaced, P/N: BA235E. The rudder cable tension was checked. The rudder bearing was cleaned and lubed. The rudder "S" slides were lubricated. The canopy latch force test was performed - no shims needed. The canopy window slide screws were replaced P/N: 301.12.0056. The "B" bolt inspection was performed and found within limits. The engine mounts to firewall bolts were checked for proper torque. The vacuum regulator filter was replaced P/N: ARB3-5-1. The lower cowl fireproof paint was touched up as needed. The entrance step grips were replaced. The starting vibrator battery is next due for replacement 11/2011. Inspected and tested the EBC-502 ELT in accordance with FAR 91.207 (d)(1-4). The ELT battery was replaced with P/N: GS52 and is next due for replacement 02/2013. The aircraft battery was serviced and charged. -----CONTINUED



**A & M Maintenance Services, Inc. - 1C5**  
**Clow International Airport, Bolingbrook, IL**

TYPE: DIAMOND DA20-C1  
"N" #: N 989CT  
DATE: 02/08/2011

TACH TIME: 436.2 Hrs.  
AIRFRAME TT: 436.2 Hrs.

D FOR COMPLET

AD 93-05-06, effective 04/29/1993, ACS ignition switches, is due for compliance at a total time of 2000 hours. All AD's checked thru bi-weekly 2011-02.  
STC SA02279AT Rev.Q, dated 08/03/2010, LoPresti Boom Beam was installed in accordance with STC SA02279AT and instruction doc. LSM-500-077 Rev.A dated 01/26/2011. Instructions for continued airworthiness were installed in the Aircraft Flight Manual and a copy was installed in the Maintenance Manual. The weight and balance was revised this date to reflect this change. An FAA Form 337 was filed. See ships records for current weight and balance and 337 form.

END

I certify this AIRCRAFT has been inspected in accordance with a 100-HOUR INSPECTION and was determined to be in an airworthy condition

Adam J. Cote  
Adam J. Cote  
AP 3035886

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

Marilina Angarone  
Marilina Angarone  
AP 344688075 IA

VERIFIED BATTERY PROBLEM- WILL NOT CHARGE. REMOVED, SERVICED AND INSTALLED NEW G35M GILL BATTERY  
G35M BATTERY, 12V, MANIFOLD  
DT3QT BATTERY ACID-3QT  
DISPOSAL BATTERY DISPOSAL FEE

7/25/2011  
seen 7/25/2011

**J.A. AIR CENTER**  
Aurora Airport • Sugar Grove, IL 60554  
FAA Repair Station #NF2R029L  
**AIRFRAME LOG ENTRY**

Type DA20  
S/N C0089  
N# 989CT

Description of work done:

Date 15 Nov 11 Model KT-76C SN 8280  
Transponder in accordance with Part 43 Appendix F  
for compliance with 91.413 this date.

Joliet Avionics Inc.  
FAA Repair Station #NF2R029L

Signature Doug Mall  
Inspector

**MAINTENANCE RELEASE**

The aircraft, airframe, engine, appliance, or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of the repair are on file at this repair station under

WO 0901181M Date 15 Nov 11 Tach/Hobbs 719.8

Signature

Inspector (print) Doug Mall

CARRIED FORWARD

ENTRIES. 1

A & M Maintenance Services, Inc. - 1C5  
Clow International Airport, Bolingbrook, IL

LICENCE  
NUMBER

TYPE: DIAMOND DA20-C1  
"N" #: N 989CT  
DATE: 03/09/2012

TACH TIME: 541.2 Hrs.  
AIRFRAME TT: 541.2 Hrs.

At this time, the AIRCRAFT was opened and cleaned for inspection. All components were inspected and lubed in accordance with an ANNUAL/100-HOUR INSPECTION per Diamond Aircraft DA20-C1 Service Manual. The wheel bearings were cleaned, inspected, and greased. The nose gear fork was cleaned, greased, and the tension was set. The brakes were bled. The fuel strainer was removed, cleaned, inspected, and installed. The fuel cap was disassembled, cleaned, and installed with new o-rings, 1ea P/N: VM0150-00500 and 1ea P/N: VM0350-04500. The induction air filter element was replaced, P/N: BA235E. The rudder cable tension was checked. The rudder bearing, attach plate, "S" slides, and pedal pivots were lubricated. The canopy latch force test was performed - no shims needed. The canopy window slide screws were replaced P/N: 301.12.0056. The "B" bolt inspection was performed and found within limits. The engine mounts to firewall bolts were checked for proper torque. The vacuum regulator filter was replaced P/N: ARB3-5-1. The upper cowl and belly fireproof paint was touched up as needed. The flap motor was replaced P/N: CARR22X50X1-D24B and the travels were checked. The starting vibrator battery was replaced P/N: LC-R121R3P is next due for replacement 03/2014. Inspected and tested the EBC-502 ELT in accordance with FAR 91.207 (d)(1-4). The ELT battery is due for replacement 02/2013. The aircraft battery was serviced and charged. AD 93-05-06, effective 04/29/1993, ACS ignition switches, is due for compliance at a total time of 2000 hours. All AD's checked thru bi-weekly 2012-04.

-----END-----

A & M Maintenance Services, Inc. - 1C5  
Clow International Airport, Bolingbrook, IL

TYPE: DIAMOND DA20-C1  
"N" #: N 989CT  
DATE: 03/09/2012

TACH TIME: 541.2 Hrs.  
AIRFRAME TT: 541.2 Hrs.

I certify this AIRCRAFT has been inspected in accordance with a 100-HOUR INSPECTION and was determined to be in an airworthy condition

Nelson E. Cadwallader  
Nelson E. Cadwallader  
AP 3466454

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

Marilina Angarone  
Marilina Angarone  
AP 344688075 IA

# AIR TIME AND

A & M Maintenance Services, Inc. - 1C5  
Clow International Airport, Bolingbrook, IL

TYPE: DIAMOND DA20-C1  
"N" #: N 989CT  
DATE: 03/22/2013

TACH TIME: 635.7 Hrs.  
AIRFRAME TT: 635.7 Hrs.

RED FOR COMPLETE

At this time, the AIRCRAFT was opened and cleaned for inspection. All components were inspected and lubed in reference with an ANNUAL/100-HOUR INSPECTION per Diamond Aircraft DA20-C1 Service Manual. The wheel bearings were cleaned, inspected, and greased. Both main tires were rotated. The nose tire was replaced with a Goodyear 5.00/4/6ply tire P/N: 504C61-2. The nose gear fork was cleaned, greased, and the tension was set. The fuel strainer was removed, cleaned, inspected, and installed. The fuel cap was disassembled, cleaned, and installed with new o-rings, 1ea P/N: VM0150-00500 and 1ea P/N: VM0350-04500. The induction air filter element was replaced, P/N: BA235E. The rudder cable tension was checked. The rudder bearing, attach plate, "S" slides, and pedal pivots were lubricated. The canopy latch force test was performed - no shims needed. The canopy window slide screws were replaced 4ea P/N: 301.12.0056. The "B" bolt inspection was performed and found within limits. The engine mounts to firewall bolts were checked for proper torque. The vacuum regulator filter was replaced P/N: ARB3-5-1. The starting vibrator battery is due for replacement 03/2014. Inspected and tested the EBC-502 ELT in accordance with FAR 91.207 (d)(1-4). The ELT battery was replaced and is next due for replacement 11/2014. The aircraft battery was serviced and charged. AD 93-05-06, effective 04/29/1993, ACS ignition switches, is due for compliance at a total time of 2000 hours. All AD's checked thru bi-weekly 2013-04.

END

A & M Maintenance Services, Inc. - 1C5  
Clow International Airport, Bolingbrook, IL

TYPE: DIAMOND DA20-C1  
"N" #: N 989CT  
DATE: 03/22/2013

TACH TIME: 635.7 Hrs.  
AIRFRAME TT: 635.7 Hrs.

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

*Marilina Angarone*  
Marilina Angarone  
AP 344688075 IA

**J.A. AIR CENTER**  
Aurora Airport • Sugar Grove, IL 60554  
FAA Repair Station #NF2R029L

Type Diamond DA20C  
S/N C0089  
N# 989CT

## Description of work done:

## AIRFRAME LOG ENTRY

Removed Garmin GA56 GPS Antenna s/n: 59039814 and installed Garmin GA56 s/n: 59083257. GPS acquired position and almanac.

Final Test OK.

## MAINTENANCE RELEASE

The aircraft, airframe, engine, appliance, or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of the repair are on file at this repair station under 227446 14MAY2013 654.5

Date

Tach/Hobbs

Signature

Inspector (print)

Luke W. Gomoll

# ENGINEERING RECORD

11

## INSPECTION, REPAIRS & REPLACEMENT

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

SIGNATURE

LICENCE  
NUMBER

**J.A. AIR CENTER**  
Aurora Airport • Sugar Grove, IL 60554  
FAA Repair Station #NF2R029L

Type Diamond DA20  
S/N C0080  
N# 980CT

### Description of work done:

**AIRFRAME LOG ENTRY**  
Removed Garmin GNS430 s/n: 96305370 and repaired.  
(Removed and replaced main board). Re-installed same unit  
back in aircraft. Calibrated OBS, and tested. Ops check good  
at this time.

Final Test OK.

### MAINTENANCE RELEASE

The aircraft, airframe, engine, appliance, or component identified was repaired and inspected in accordance with current regulations of the  
Federal Aviation Agency and is approved for return to service. Pertinent details of the repair are on file at this repair station under

WO 227548 Date 10JUL2013 Tach/Hobbs 665.3 Signature Luke W. Gomoll  
Inspector (print)

**J.A. AIR CENTER**  
Aurora Airport • Sugar Grove, IL 60554  
FAA Repair Station #NF2R029L

Type DA20  
S/N C0089  
N# 989CT

### Description of work done:

**AIRFRAME LOG ENTRY**  
Date 27 Nov 13 Model KT76C S/N 8280  
Transponder tested in accordance with Part 43 Appendix F  
for compliance with FAR91.413 this date.

Joliet Avionics, Inc.  
FAA Repair Station #NF2R029L

Signature Doug Mall  
Inspector

### MAINTENANCE RELEASE

The aircraft, airframe, engine, appliance, or component identified was repaired and inspected in accordance with current regulations of the  
Federal Aviation Agency and is approved for return to service. Pertinent details of the repair are on file at this repair station under

WO 2085 Date 27 Nov 13 Tach/Hobbs 955.9 Signature Doug Mall  
Inspector (print)



A & M Maintenance Services, Inc. - 1C5  
Clow International Airport, Bolingbrook, IL

TYPE: DIAMOND DA20-C1  
"N" #: N 989CT  
DATE: 12/20/2013

TACH TIME: 710.7 Hrs.  
AIRCRAFT TT: 710.7 Hrs.  
AIRCRAFT S/N: C0089

At this time, the Sensenich propeller M/N: W69EK7-633 S/N: AD9850 was removed and an overhauled MT-Propeller M/N: MT175R150-2Ca S/N: 11097 was installed on N989CT S/N: C0089 in accordance with STC SA03373AT and MT-Propeller installation instructions Doc. No. E-1343 Rev 5, dated 04/01/2009. See FAA Form 337 this date and the new revised weight and balance.

END

*Marilina Angarone*  
Marilina Angarone  
AP 344688075

A & M Maintenance Services, Inc. - 1C5  
Clow International Airport, Bolingbrook, IL

TYPE: DIAMOND DA20-C1  
"N" #: N 989CT  
DATE: 04/01/2014

TACH TIME: 731.4 Hrs.  
AIRFRAME TT: 731.4 Hrs.  
AIRCRAFT S/N: C0089

At this time, the AIRCRAFT was opened and cleaned for inspection. All components were inspected and lubed in reference with an ANNUAL/100-HOUR INSPECTION per Diamond Aircraft DA20-C1 Service Manual. The wheel bearings were cleaned, inspected, and greased. The LH main tire was replaced with a Condor 5.00-5/6ply P/N: 072-312-0 and the RH main tire was rotated. The brake linings were replaced 4ea P/N: APS66-10600. The LH brakes were bled and the reservoirs were serviced. The nose gear fork was cleaned, greased, and the tension was set. The fuel strainer was removed, cleaned, inspected, and installed. The fuel cap was disassembled, cleaned, and installed with new o-rings, 1ea P/N: VM0150-00500 and 1ea P/N: VM0350-04500. The induction air filter element was replaced, P/N: BA235E. The flap pre-load was checked. The rudder cable tension was checked. The rudder bearing, attach plate, "S" slides, and pedal pivots were lubricated. The canopy latch force test was performed - no shims needed. The "B" bolt inspection was performed and found within limits. The engine mounts to firewall bolts were checked for proper torque. The vacuum regulator filter was replaced P/N: ARB3-5-1 and the central vacuum filter was replaced P/N: RD9-18-1. The generator stabilizing bracket was replaced P/N: 22-2412-00-11 and the belt tension was set. The belly and lower cowl fireproof paint was touched up as needed. The starting vibrator battery was replaced and is next due for replacement 04/2016. Inspected and tested the EBC-502 ELT in accordance with FAR 91.207 (d)(1-4). The ELT battery is due for replacement 11/2014. The aircraft battery was serviced and charged.

CONTINUED

A & M Maintenance Services, Inc. - 1C5  
Clow International Airport, Bolingbrook, IL

TYPE: DIAMOND DA20-C1  
"N" #: N 989CT  
DATE: 04/01/2014

TACH TIME: 731.4 Hrs.  
AIRFRAME TT: 731.4 Hrs.  
AIRCRAFT S/N: C0089

SB DAC1-27-03 Rev 0, dated 03/03/2014, on inspection of flap bellcrank, was complied with by inspection and is next due in 100 hrs.  
AD 93-05-06, effective 04/29/1993, ACS ignition switches, is due for compliance at a total time of 2000 hours. All AD's checked thru bi-weekly 2014-06.

END

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

*Marilina Angarone*  
Marilina Angarone  
AP 344688075 IA

CARRIED FORWARD

## INSPECTION, REPAIRS &amp; REPLACEMENT

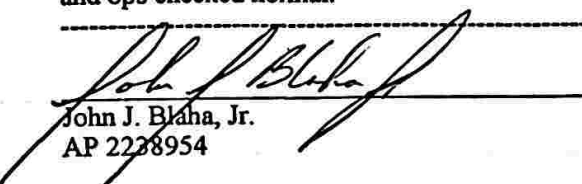
ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE  
NUMBERA & M Maintenance Services, Inc. - 1C5  
Clow International Airport, Bolingbrook, ILTYPE: DIAMOND DA20-C1  
"N" #: N 989CT  
DATE: 05/21/2014TACH TIME: 744.6 Hrs.  
AIRFRAME TT: 744.6 Hrs.  
AIRCRAFT S/N: C0089


At this time, the defective Airborne vacuum pump was removed, P/N 216CW, S/N 1AR49, and a newly overhauled vacuum pump, P/N 216CW, S/N 159471, from Rapco, Inc., W/O# 159471, dated 05/14/14, was installed using new gasket. The vacuum regulator was set to five inches. Ground ran and ops checked normal.

-----END-----

  
John J. Blaha, Jr.  
AP 2238954A & M Maintenance Services, Inc. - 1C5  
Clow International Airport, Bolingbrook, ILTYPE: DIAMOND DA20-C1  
"N" #: N 989CT  
DATE: 07/11/2014TACH TIME: 756.8 Hrs.  
AIRFRAME TT: 756.8 Hrs.  
AIRCRAFT S/N: C0089

At this time, the aircraft battery was removed and a new Gill, P/N: G35-M S/N: G02820056, battery was serviced, charged, and installed. Ops check normal.

-----END-----

  
John J. Blaha Jr.  
AP 2238954A & M Maintenance Services, Inc. - 1C5  
Clow International Airport, Bolingbrook, ILTYPE: DIAMOND DA20-C1  
"N" #: N 989CT  
DATE: 04/27/2015TACH TIME: 811.8 Hrs.  
AIRFRAME TT: 811.8 Hrs.  
AIRCRAFT S/N: C0089

At this time, the AIRCRAFT was opened and cleaned for inspection. All components were inspected and lubed in reference with an ANNUAL/100-HOUR INSPECTION per Diamond Aircraft DA20-C1 Service Manual. The wheel bearings were cleaned, inspected, and greased. The RH main tire, Condor 5.00-5/6/120 P/N 072-312-0, and inner tube, Michelin 5.00-5 P/N 092-308-0, were replaced with new. The brake reservoirs were checked, no service needed. The nose gear fork was cleaned, greased, and the pivot friction was set. The fuel strainer was removed, cleaned, inspected, and installed. The fuel cap was overhauled using new o-rings, 1ea P/N: VM0150-00500 and 1ea P/N: VM0350-04500. The induction air filter element was replaced, P/N: BA235E. The rudder cable tension was checked, no adjustment needed. The rudder bearing, torque plate, and pedal assemblies were cleaned and lubricated. Both outer flap bellcrank pivot spacers, 2ea P/N 20-2710-00-02, and attach bolts, 2ea P/N AN4-15, were replaced with new. The trim indicator was adjusted for proper neutral indication as per DA20-C1 AMM Chapter 27-31-00. The landing /taxi lamp lens was removed and the area was cleaned. The canopy latch force test was performed - no shims needed. The "B" bolt inspection was performed and found within limits. The engine mounts to firewall bolts were checked for proper torque. The vacuum regulator filter was replaced P/N: ARB3-5-1. The starting vibrator battery voltage was checked and found ok, replacement is due 04/2016. The fire bottle was inspected and weighed. The ELT, EBC-502 S/N 44416, was inspected and tested in accordance with FAR 91.207 (d)(1-4). The ELT battery was replaced with new, P/N GS-52, and is next due for replacement 05/2017. The aircraft battery was serviced and charged.

-----CONTINUED-----

DATE

A & M Maintenance Services, Inc. - 1C5  
Clow International Airport, Bolingbrook, IL

BROU  
FORM

TYPE: DIAMOND DA20-C1  
"N" #: N 989CT  
DATE: 04/27/2015

TACH TIME: 811.8 Hrs.  
AIRFRAME TT: 811.8 Hrs.  
AIRCRAFT S/N: C0089

SB DAC1-27-03 Rev 0, dated 03/03/2014, on inspection of flap bellcrank, was complied with by inspection and is next due in 100hrs at 911.8hrs tach.  
AD 93-05-06, effective 04/29/1993, ACS ignition switches, is due for compliance at a total time of 2000 hours. All AD's checked thru bi-weekly 2015-07.

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

Adam J Cote  
AP 3035886 IA

A & M Maintenance Services, Inc. - 1C5  
Clow International Airport, Bolingbrook, IL

TYPE: DIAMOND DA20-C1  
"N" #: N 989CT  
DATE: 08/27/2015

TACH TIME: 828.5 Hrs.  
AIRFRAME TT: 828.5 Hrs.  
AIRCRAFT S/N: C0089

At this time, the aircraft battery was removed and a new Gill battery, G35M S/N G02737228, was serviced, charged, and installed. Ops check normal.

Adam J Cote  
AP 3035886

AC: DA-20-C1 Diamond Rochelle Avionics, Inc.  
NW: N989CT  
S/N: C0089

1205 W. Gurler Rd.  
Rochelle, IL 61068

DATE: 4-13-2016

W.O.N 2Y-1338

HRS: 1146.5

THE AUTOMATIC PRESSURE ALTITUDE REPORTING SYSTEM(S) HAS BEEN TESTED AND INSPECTED AND FOUND TO C/W PARAGRAPH (C), APPENDIX E OF PART 43.  
IN ACCORDANCE WITH F.A.R. 91.413, THE ATC TRANSPONDER INSTALLED IN THIS AIRCRAFT HAS BEEN TESTED AND INSPECTED AND FOUND TO COMPLY WITH APPENDIX F OF PART 43.

	MODEL P/N# 066-0156-0101	ATC-1
A	MODEL	KE76C
B	SERIAL NUMBER	8280
C	REPLY FREQUENCY	OK. —
D	SUPPRESSION	OK. —
D2	SUPPRESSION F2 DOWN 9DB	OK. —
E	RECEIVER SENSITIVITY "A"	OK. —
F	RECEIVER SENSITIVITY "C"	OK. —
G	MODE S ADDRESS	— W/A —
	ENCODER	

Trans-Cel  
P/N: SSD-120-30  
S/N: 40992

SIGNED: J. Sells

TESTED TO: 15,000 FT

CRS 3RCR4248

CARRIED FORWARD

A & M Maintenance Services, Inc. - 1C5  
Clow International Airport, Bolingbrook, ILTYPE: DIAMOND DA20-C1  
"N" #: N 989CT  
DATE: 05/01/2016TACH TIME: 853.8 Hrs.  
AIRFRAME TT: 853.8 Hrs.  
AIRCRAFT S/N: C0089

At this time, the AIRCRAFT was opened and cleaned for inspection. All components were inspected and lubed with reference to an ANNUAL/100-HOUR INSPECTION per Diamond Aircraft DA20-C1 Service Manual. The wheel bearings were cleaned, inspected, and greased. The brake reservoirs were checked, no service needed. The nose gear fork was cleaned, greased, and the pivot friction was set. The fuel strainer was removed, cleaned, inspected, and installed. The fuel cap was overhauled using new o-rings, 1ea P/N: VM0150-00500 and 1ea P/N: VM0350-04500. The induction air filter element was replaced, P/N: BA235E. The rudder cable tension was checked, no adjustment needed. The rudder bearing, torque plate, and pedal assemblies were cleaned and lubricated. The canopy latch force test was performed - no shims needed. The "B" bolt inspection was performed and found within limits. The engine mounts to firewall bolts were checked for proper torque. Exhaust heater shroud was pressure checked. The starting vibrator battery was replaced and is next due 05/2018. The fire bottle was inspected and weighed. The ELT, EBC-502 S/N 44416, was inspected and tested in accordance with FAR 91.207 (d)(1-4). The ELT battery is next due for replacement 05/2017.

-----CONTINUED-----

A & M Maintenance Services, Inc. - 1C5  
Clow International Airport, Bolingbrook, ILTYPE: DIAMOND DA20-C1  
"N" #: N 989CT  
DATE: 05/01/2016TACH TIME: 853.8 Hrs.  
AIRFRAME TT: 853.8 Hrs.  
AIRCRAFT S/N: C0089

SB DAC1-27-03 Rev 0, dated 03/03/2014, on inspection of flap bellcrank, was complied with by inspection and is next due in 100hrs at 953.8hrs tach.

AD 93-05-06, effective 04/29/1993, ACS ignition switches, is due for compliance at a total time of 2000 hours. All AD's checked thru bi-weekly 2016-08.

-----END-----

I certify that this AIRCRAFT has been inspected in accordance with a  
100-HOUR INSPECTION and was determined to be in an airworthy condition.

Timothy Thomas Quigley  
Timothy Thomas Quigley AP 3651605

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

John J. Blaha Jr.  
John J. Blaha Jr. AP 2238934 IA



# AIR TIME AND

**A & M Maintenance Services, Inc. - 1C5**  
**Clow International Airport, Bolingbrook, IL**

TYPE: DIAMOND DA20-C1  
 "N" #: N 989CT  
 DATE: 05/26/2017

TACH TIME: 891.3 Hrs.  
 AIRFRAME TT: 891.3 Hrs.  
 AIRCRAFT S/N: C0089

FOR COMPLETE

At this time, the AIRCRAFT was opened and cleaned for inspection. All components were inspected and lubed with reference to an ANNUAL/100-HOUR INSPECTION per Diamond Aircraft DA20-C1 Service Manual. The aircraft battery was serviced and charged. The main gear wheel bearings were cleaned, inspected, and greased. The main gear leg bolts were torqued. The brake reservoirs were checked, no service needed. The nose gear fork was cleaned, greased, and the pivot friction was set. The fuel strainer was removed, cleaned, inspected, and installed. The fuel cap was disassembled, cleaned, and installed using new o-rings, 1ea P/N: VM0150-00500 and 1ea P/N: VM0350-04500. The induction air filter element was replaced, P/N: BA235E. The rudder cable tension was checked, no adjustment needed. The aileron, and flap attach points were cleaned. The rudder bushing sleeve was replaced P/N 20-5545-00-01, and the bearing, torque plate, and pedal assemblies were cleaned and lubricated. The canopy latch force test was performed - no shims needed. The RH canopy guide o-ring was replaced, P/N: 318-A05-1K. The "B" bolt inspection was performed and found within limits. The engine mounts to firewall bolts were torqued to 25 ft lbs. Exhaust system was pressure checked, no defects noted. The LH jack pad was glued back on. An alternate air placard was fabricated and installed. The alternator belt tension was checked, and set within limits. The vacuum regulator filter was replaced, P/N: RA-B3-5-1. The starting vibrator battery was measured at 12.8 Volts, and is next due 05/2018. The fire bottle was inspected and weighed. The ELT, EBC-502 S/N 44416, was inspected and tested in accordance with FAR 91.207 (d)(1-4), battery replaced P/N: 6S-52. The ELT battery is next due for replacement 05/2019.

CONTINUED

**A & M Maintenance Services, Inc. - 1C5**  
**Clow International Airport, Bolingbrook, IL**

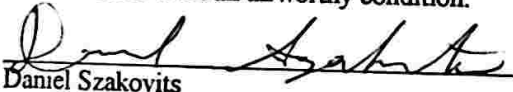
TYPE: DIAMOND DA20-C1  
 "N" #: N 989CT  
 DATE: 05/26/2017

TACH TIME: 891.3 Hrs.  
 AIRFRAME TT: 891.3 Hrs.  
 AIRCRAFT S/N: C0089

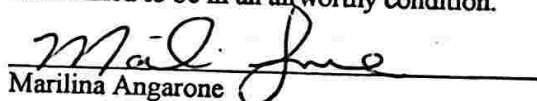
SB DACI-27-03 Rev 0, dated 03/03/2014, on inspection of flap bellcrank, was complied with by inspection and is next due in 100 hrs at 991.3 hrs TT.  
 AD 93-05-06, effective 04/29/1993, ACS ignition switches, is due for compliance at a total time of 2000 hours. All AD's checked thru bi-weekly 2017-10.

END

I certify that this AIRCRAFT has been inspected in accordance with a 100-HOUR INSPECTION and was determined to be in an airworthy condition.

  
 Daniel Szakovits  
 AP 3959453

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

  
 Marilina Angarone  
 AP 3828657 IA


**A & M Maintenance Services, Inc. - 1C5**  
**Clow International Airport, Bolingbrook, IL**

TYPE: DIAMOND DA20-C1  
 "N" #: N 989CT  
 DATE: 07/19/2017

TACH TIME: 900.9 Hrs.  
 AIRCRAFT TT: 900.9 Hrs.  
 AIRCRAFT S/N: C0089

At this time, the MT-Propeller M/N: MT175R150-2Ca S/N: 11097 was removed and the original Sensenich propeller M/N: W69EK7-633 S/N: AD9350 was installed after repair by Sensenich Wood Propeller Co W/O# R070714-1 dated 10/06/2014 on N989CT S/N: C0089.

END

  
 Marilina Angarone  
 AP 3828657

## INSPECTION, REPAIRS &amp; REPLACEMENT

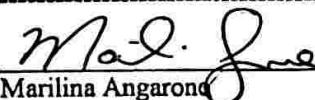
ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE  
NUMBERA & M Maintenance Services, Inc. - 1C5  
Clow International Airport, Bolingbrook, ILTYPE: DIAMOND DA20-C1  
"N" #: N 989CT  
DATE: 10/18/2017TACH TIME: 924.7 Hrs.  
ENGINE TT: 924.7 Hrs.  
ENGINE S/N: 806122

At this time, the Sensenich propeller M/N: W69EK7-63 S/N: AD9350 was removed and the MT-Propeller M/N: MT175R150-2Ca S/N: 11097 was installed on N989CT S/N: C0089 after overhaul by MT-Propeller USA, Inc W/O# 17-371MT dated 28/Sept/2017. -----

END-----

  
Marilina Angarone  
AP 3828657A & M Maintenance Services, Inc. - 1C5  
Clow International Airport, Bolingbrook, ILTYPE: DIAMOND DA20-C1  
"N" #: N 989CT  
DATE: 03/21/2018TACH TIME: 951.7 Hrs.  
AIRFRAME TT: 951.7 Hrs.  
AIRCRAFT S/N: C0089

At this time, all four brake linings, P/N APS66-10600 were replaced and the brake reservoirs were serviced with hydraulic fluid. -----

END-----

  
John J. Blaha Jr.  
AP 2238954AC: Diamond DA20-C1 Rochelle Avionics, Inc.  
NH: N989CT 1205 W. Gurler Rd.  
S/N: C0089 Rochelle, IL 61068DATE: 06-01-18  
W.O.# 1815-24  
HRS: Tach 958.8

THE AUTOMATIC PRESSURE ALTITUDE REPORTING SYSTEM(S) HAS BEEN TESTED AND INSPECTED AND FOUND TO C/W PARAGRAPH (C), APPENDIX E OF PART 43.

IN ACCORDANCE WITH F.A.R 91.413, THE ATC TRANSPONDER INSTALLED IN THIS AIRCRAFT HAS BEEN TESTED AND INSPECTED AND FOUND TO COMPLY WITH APPENDIX F OF PART 43.

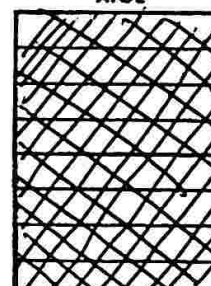
A MODEL 06601156-0101  
B SERIAL NUMBER  
C REPLY FREQUENCY  
D SUPPRESSION  
D1 SUPPRESSION P2 DOWN 9DB  
E RECEIVER SENSITIVITY "A"  
F RECEIVER SENSITIVITY "C"  
G MODE S ADDRESS  
ENCODERP/N: SSD120-30A  
S/N: A-40992SIGNED: J. Seib

CRS 3RCR4248

ATC-1

KT76C
8280
OK
OK
OK
OK
OK
OK

ATC-2

TESTED TO: 15,000 FT

# AIR TIME AND

COMPLETE

DATE

A & M Maintenance Services, Inc. - 1C5  
Clow International Airport, Bolingbrook, IL

BROUGHT  
FORWARD

TYPE: DIAMOND DA20-C1  
"N" #: N 989CT  
DATE: 06/13/2018

TACH TIME: 958.9 Hrs.  
AIRFRAME TT: 958.9 Hrs.  
AIRCRAFT S/N: C0089

At this time, the AIRCRAFT was opened and cleaned for inspection. All components were inspected and lubed with reference to an ANNUAL/100-HOUR INSPECTION per Diamond Aircraft DA20-C1 Service Manual. The aircraft battery was serviced and charged. The main gear wheel bearings were cleaned, inspected, and greased. The brake reservoirs were checked, no service needed. The nose gear fork was cleaned, inspected, greased, and the pivot friction was set. The fuel strainer was removed, cleaned, inspected, and installed. The fuel cap was inspected and lubricated. Sumped drains and checked vent. The induction air filter element was replaced, P/N: BA235E. The rudder cable tension was checked and found within limits. The surface travels were checked and found within limits. The aileron, and flap attach points were cleaned. The rudder bearing, torque plate, and pedal assemblies were cleaned and lubricated. The canopy latch force test was performed and one shim was installed on the right-hand latch, P/N 22-5600-00-18. The "B" bolt inspection was performed and found within limits. The air/oil separator was cleaned. The exhaust system was pressure checked, no defects noted. The battery in the Davtron unit was replaced. The vacuum regulator filter was replaced, P/N: RA-B3-5-1 and the central vacuum filter was replaced, P/N RA-D9-18-1. The starting vibrator battery was replaced, P/N LC-R121R3P, the voltage checked and is next due for replacement 06/2020. The aircraft battery was serviced and charged. The fire bottle was inspected and weighed. The ELT, EBC-502 S/N 44416, was inspected and tested in accordance with FAR 91.207 (d)(1-4), battery replaced P/N: 6S-52. The ELT battery is next due for replacement 05/2019.

CONTINUED

A & M Maintenance Services, Inc. - 1C5  
Clow International Airport, Bolingbrook, IL

TYPE: DIAMOND DA20-C1  
"N" #: N 989CT  
DATE: 06/13/2018

TACH TIME: 958.9 Hrs.  
AIRFRAME TT: 958.9 Hrs.  
AIRCRAFT S/N: C0089

SB DAC1-27-03 Rev 0, dated 03/03/2014, on inspection of flap bellcrank, was complied with by inspection and is next due in 100 hrs at 1058.9 hrs TT.  
AD 93-05-06, effective 04/29/1993, ACS ignition switches, is due for compliance at a total time of 2000 hours. All AD's checked thru bi-weekly 2018-11.

END

I certify that this AIRCRAFT has been inspected in accordance with a 100-HOUR INSPECTION and was determined to be in an airworthy condition.

*Morgan Rink*  
Morgan Rink  
AP 3870351

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

*Nelson E. Cadwallader*  
Nelson E. Cadwallader  
AP 3466454 IA

CARRIED FORWARD

## INSPECTION, REPAIRS &amp; REPLACEMENT

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

SIGNATURE

LICENCE  
NUMBER

MAKE: Diamond Aircraft Ind  
MODEL: Da 20-c1  
S/N: C0089  
REG NO: N989CT  
WORK ORDER: 7906-10-2018



## J.A. Air Center

Repair Station No. NF2R029L  
43W730 US RT 30  
Sugar Grove, Illinois 60554  
Phone: 630.584.3200

DATE: 31 October, 2018  
A/C TSN:  
TACH: 991.1

## Airframe Entries

- 1 Removed S-TEC directional gyro PN/ 6406-14L SN/ 54501 for repair.

## Maintenance Release

The aircraft, engine, appliance or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L and EASA.145.5424 under Work Order No. 7906-10-2018, Dated 31 October, 2018.

DATE: 31 October, 2018

SIGNED:

Mark Herrmann  
Certified Repair Station No. NF2R029L

Work Order: 7906-10-2018

Printed by EBis 3 (datcomedia.com)

MAKE: Diamond Aircraft Ind  
MODEL: Da 20-c1  
S/N: C0089  
REG NO: N989CT  
WORK ORDER: 7906-10-2018



## J.A. Air Center

Repair Station No. NF2R029L  
43W730 US RT 30  
Sugar Grove, Illinois 60554  
Phone: 630.584.3200

DATE: 12 March, 2019  
A/C TSN:  
TACH: 997.6

## Airframe Entries

- 1 Removed S-TEC directional gyro PN/ 6406-14L SN/ 54501 for repair.  
2 Removed GNS430 PN 011-00280-00 SN 96305370 for WAAS upgrade.

## Maintenance Release

The aircraft, engine, appliance or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L and EASA.145.5424 under Work Order No. 7906-10-2018, Dated 12 March, 2019.

DATE: 12 March, 2019

SIGNED:

Mark Herrmann  
Certified Repair Station No. NF2R029L

Work Order: 7906-10-2018

Printed by EBis 3 (datcomedia.com)

MAKE: Diamond Aircraft Ind  
MODEL: Da 20-c1  
S/N: C0089  
REG NO: N989CT  
WORK ORDER: 7906-10-2018



## J.A. Air Center

Repair Station No. NF2R029L  
43W730 US RT 30  
Sugar Grove, Illinois 60554  
Phone: 630.584.3200

DATE: 03 July, 2019  
A/C TSN:  
TACH: 1010.7

## Airframe Entries

- 2 Reinstalled Garmin 430W PN/ 011-00280-00  
SN/96305370 after factory WAAS upgrade under WO 109373483

## Maintenance Release

The aircraft, engine, appliance or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L and EASA.145.5424 under Work Order No. 7906-10-2018, Dated 03 July, 2019.

DATE: 03 July, 2019

SIGNED:

Mark Herrmann  
Certified Repair Station No. NF2R029L

Work Order: 7906-10-2018

Printed by EBis 3 (datcomedia.com)



# 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**

BR  
FO

**JW Aviation Inc. - 1C5, Clow International Airport, Bolingbrook IL**

TYPE: DA20-C1  
'N' #: N989CT  
DATE: 07/30/2019

Tach: 1011.8 HRS  
Airframe TT: 1011.8 HRS  
Aircraft S/N: C0089

At this time, the AIRCRAFT was inspected with reference to a 100 HOUR/ANNUAL INSPECTION per Diamond Aircraft DA20-C1 Service Manual. The aircraft battery was serviced and charged. The wheel bearings were cleaned, inspected, and greased. Brake reservoirs were checked. The fuel strainer was removed, cleaned, inspected, and reinstalled with a new gasket (P/N ). Induction air filter element was replaced, P/N BA235E. Vacuum regulator filter was replaced, P/N RA-B3-5-1. Surface travels and cable tensions were checked. Canopy latch force test was performed. Fire bottle was inspected and weighed. The ELT, EBC-502 S/N 44416, was inspected and tested in accordance with FAR 91.207(d)(14), battery replaced (P/N GS52). ELT battery next due for replacement 06/2021. SB DAC1-27-03 Rev 0, dated 03/03/2014, on inspection of flap bellcrank, is next due at 1058.9 hours. AD 93-05-06, effective 04/29/1993, ACS ignition switches, is due for compliance at a total time of 2000 hours. All ADs checked through Bi-Weekly 2019-16.

END

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

*Morgan Rfhk*  
Morgan Rfhk  
A&P 3870351

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

*Richard Tichy*  
Richard Tichy  
A&P 1915593 1A

MAKE: Diamond Aircraft Ind  
MODEL: Da 20-c1  
S/N C0089  
REG NO N989CT  
WORK ORDER: 7906-10-2018



**J.A. Air Center**

Repair Station No. NF2R029L  
43W730 US RT 30  
Sugar Grove, Illinois 60554  
Phone: 630.584.3200

DATE: 20 September, 2019  
A/C TSN: 1013.9  
TACH: 1013.9

## Airframe Entries

- 1 Removed S-TEC directional gyro PN/ 6406-14L SN/ 54501 for repair.  
Installed factory repaired unit PN/ 6406-14L SN/ T34718G, reference PSI form 8130-3 #322520 iaw Diamond DA 20-C1 Maintenance Manual DOC # DA201-C1 Revision 22: 30 May 14

- 3 REMOVED:  
Bendix/King KT76C Transponder P/N 066-01156-0101, S/N 8280 and Garmin GA 56 antenna.

### INSTALLED:

Garmin GTX-345 ADS-B transponder P/N 011-03302-00 S/N 3EG029182 in accordance with STC SA01714WI, Garmin's STC Master Drawing List GTX 33X and GTX 3X5 ADS-B AML STC document No. 005-00734-04, Revision 9 dated October 13, 2016; Garmin's GTX 3XX Part 23 AML STC Installation Manual document No. 190-00734-10, Revision 8 dated October 11, 2016; Garmin's GTX 33X and GTX 3X5 ADS-B AML STC Equipment List Drawing No. 005-00734-05, Revision 12, dated October 13, 2016; The Cessna 1977 thru 1986 Maintenance Manual Part Number D2065-3-13, Revision 3, dated July 1, 1995, and AC43.13-1B, Change 1; AC43.13-1B, Change 1, Chapters 11 and 12, and AC43.13-2B, Chapters 2 & 3.

Installed Garmin GA35 WAAS antenna in existing location.

The Garmin GTX 33X and GTX 3X5 Transponder FAA Approved Airplane Flight Manual Supplement Document No. 190-00734-15, Revision 2, dated March 08, 2016 or later FAA approved supplement has been provided with the aircraft paperwork.

### Instructions for Continued Airworthiness

Reference Garmin GTX 33X and GTX 3X5 ADS-B Maintenance Manual document No. 190-00734-11, Revision 5, dated October 5, 2016 or later approved revision for.

This transponder was tested in accordance with 14 CFR Part 43 Appendix F with IFR 6000 XPDR/TCAS/DME Test Set, for compliance with 14 CFR 91.413 .

Also Complied with Altimeter & Static Tests to 20,000 feet in accordance with Part 43 appendix E paragraphs (a) and (b), as required by 14 CFR 91.411, using the procedure as defined in ASTM Standard F3229/F3229M-F, titled "Standard Practice for Static Pressure System Tests in Small Aircraft".

This equipment has been ground checked and there were no adverse effects with any other aircraft system.

CARRIED FORWARD

The weight & balance data, equipment list and airframe logbooks were revised to reflect this installation. Reference J.A. Air Center's Weight & Balance and Supplemental Equipment List for all part numbers, serial numbers, and equipment installed, or removed, and locations.  
Removed Garmin GNS-430 P/N 011-00280-10, S/N 96305370 and reinstalled Garmin GNS-430 P/N 011-01060-45, S/N 96305370 after WAAS upgrade by Garmin International. Reference Garmin RMA Number 109373483, dated 20 Aug 2019, in accordance with Garmin AML STC SA01933LA-D

Removed Garmin GA-56 GPS antenna P/N 011-00134-00, S/N 59070887 and installed Garmin GA-35 GPS/WAAS antenna P/N 013-00235-00, S/N 164814 in the existing location of the removed GA-56 GPS Antenna.

GNS 400W Series STC Installation Manual 190-00356-02 Rev M June 30, 2017

STC Upgrade Installation Manual 190-00357-06 Rev E December 31, 2013

The Garmin GNS 430W Navigation System FAA Approved Airplane Flight Manual Supplement Document No. 190-00356-83, Revision B, dated December 21, 2006 or later FAA approved supplement has been provided with the aircraft paperwork.

This equipment has been ground checked and functions properly. There were no adverse effects with any of the other aircraft systems. The net electrical load is unchanged.

Negligible Weight change & Balance data, equipment list and airframe logbooks were revised to reflect this installation. Reference the Supplemental Equipment List for all part numbers, serial numbers and equipment installed or removed and locations.

#### Maintenance Release

The aircraft, engine, appliance or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L and EASA.145.5424 under Work Order No. 7906-10-2018, Dated 20 September, 2019.

DATE: 20 September, 2019

SIGNED:

Mark Herrmann  
Certified Repair Station No. NF2R029L

Work Order: 7906-10-2018

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Removed Gill Battery #G 02737228  
and replaced with Gill #G 03090712 per  
Diamond Service instructions  
7/7/20 Dale M. Hyde Jr. PPL 3356262

#### JW Aviation Inc. - 1C5, Clow International Airport, Bolingbrook IL

TYPE: DA20-C1  
'N' #: N989CT  
DATE: 08/07/2020

Tach: 1049.1 HRS  
A/F TT: 1049.1 HRS  
S/N: C0089

At this time, an ANNUAL INSPECTION was performed on this AIRFRAME in accordance with Diamond maintenance manuals. The wheel bearings were cleaned, inspected, and greased. Brake reservoirs were checked. The fuel strainer was removed, cleaned, inspected, and reinstalled with a new gasket. Induction air filter element was replaced, P/N BA235E. Vacuum regulator filter was replaced, P/N RA-B3-5-1. Surface travels and cable tensions were checked. Lefthand main tire (P/N 072-312-0) and innertube (P/N 302-013-400) were replaced with new. Fire bottle was inspected and weighed. The ELT, EBC-502 S/N 44416, was inspected and tested in accordance with FAR 91.207(d)(14). ELT battery next due for replacement 06/2021.

SB DAC1-27-03 Rev 1, dated 03/03/2014, on inspection of flap bellcrank was complied with by inspection, and is next due 100 hours at Tach 1149.1 hours.

AD 93-05-06, effective 04/29/1993, ACS ignition switches, is due for compliance at a total time of 2000 hours. All ADs checked through Bi-Weekly 2019-16.

-----END-----

I certify this AIRFRAME has been inspected in accordance with an ANNUAL INSPECTION and has been determined to be in AIRWORTHY CONDITION.

Richard Tichy  
A&P 1915593 IA

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

MAKE Diamond Aircraft Ind  
MODEL Da 20-c1  
S/N C0089  
REG NO N989CT  
WORK ORDER: 8466-09-2019



**J.A. Air Center**  
Repair Station No. NF2R029L  
43W730 US RT 30  
Sugar Grove, Illinois 60554  
Phone: 630.584.3200

DATE: 28 October, 2020  
A/C TSN: 1062 2  
TACH: 1062 2

### Airframe Entries

- 1 Replaced internal coupler PN/ 61227 with factory new coupler in compliance with SB 08-007 Dated Aug 6th, 2008. all operational inspections are good at this time. **STEC 30 AUTO PILOT**
- 2 ADS-B function inspected and found in good working order. Determined navigation database card was corrupted and replaced with factory new card PN/ 010-10546-01. All operational inspections are good at this time.
- 3 Inspected and found gauge hooked up but inoperative. Removed and replaced Vacuum gauge PN/ 5001 SN/ 10038 with factory new gauge PN/ 5001 SN/ 23829 in compliance with Diamond DA-20 MM DOC # DA201-C1 Rev 23 Dated Sep 11th, 2019. All operational inspections are good at this time

### Maintenance Release

The aircraft, engine, appliance or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L under Work Order No. 8466-09-2019, Dated 28 October, 2020.

DATE: 28 October, 2020

SIGNED:

Mark Herrmann  
Certified Repair Station No. NF2R029L

Work Order: 8466-09-2019

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### JW Aviation Inc. - 1C5, Clow International Airport, Bolingbrook IL

TYPE: DA20-C1

'N' #: N989CT

DATE: 08/02/2021

Tach: 1094.1 HRS

Airframe TT: 1094.1 HRS

S/N: C0089

At this time, an ANNUAL INSPECTION was performed on the AIRFRAME in accordance with Diamond maintenance manuals. Wheel bearings were cleaned, inspected, and reinstalled with fresh grease. All brake linings were replaced with new (4 ea. P/N 066-10600). Central vacuum filter (P/N RA-D9-18-1) and vacuum regulator filter (P/N ARB3-5-1) were replaced with new. Electric fuel pump was replaced with overhauled unit (P/N 5367-00-1, S/N 0667). ELT was tested and inspected in accordance with FAR 91.207d(1-4); ELT battery was replaced with new (P/N GS 52) and is next due 11/2023. ADs were checked through Bi-Weekly 2021-16.

SB DAC1-27-03 Rev 1, effective 03/03/2014, on flap bellcrank is due at Tach 1149.1 hours.

AD93-05-06, effective 04/29/1993, on ACS ignition switches is due at Total Time of 2000 hours.

END

I certify that this AIRFRAME has been inspected in accordance with an ANNUAL INSPECTION and has been determined to be in AIRWORTHY CONDITION.

Richard Tichy A&P 1915593 LA

CARRIED FORWARD

DO NOT  
Authority to install the aircraft engine/propeller/article.  
Authority different from the airworthiness authority of the country specified in accordance with FAR 91.207d(1-4).  
Authorized Release

R&R RH main tire with  
Good Year FLT Special II 500X5  
6 ply tire. 505 C61-8 Serial #  
12180039. Inflate to proper pressure.

SIGNATURE

LICENCE

*Rich Korte*  
A&P 332486168

9/28/21 Removed right main landing gear  
wheel, replaced tire with Goodyear Flight  
Special II 50-56 ply 505 C61-8 ser no. 12180039  
Diamond DA20 C1 N989CT Tach 1110.6 AF 1110.6  
S/N C0089

10/1/21 Removed Landing/Taxi Light Lens  
Cover and replaced with Diamond Aircraft  
20-3350-01-01 Landing/Taxi Light Lens  
Cover Diamond DA20 C1 N989CT Tach:  
1110.6 AF 1110.6 S/N C0089

*Deem Lip* 3356262

JW Aviation Inc. - 1C5, Clow International Airport, Bolingbrook IL

TYPE: DA20-C1

'N' #: N989CT

DATE: 10/04/2021

Tach:

1110.6 HRS

Airframe TT:

1110.6 HRS

S/N:

C0089

At this time, both canopy springs (2ea. P/N 20-5600-09-02) were replaced with new.

-----END-----

*Morgan Rink*  
Morgan Rink A&P 3870351

N 989CT Date: 10-13-21

The Integrated Altitude Reporting System test required by FAR 91.411 and FAR 43 Appendix "E" have been satisfactorily performed. The ATC Transponder test and inspections required by FAR 91.413 and FAR App. "F" have been satisfactorily performed; TRANSPONDER model: GTX345 s/n: 3EG029182

The aircraft or component identified above has been inspected and passed, IAW current regulations of the Federal Aviation Administration and is approved for return to service for the work performed.

SIGNED

*Gary D Grimmonpre*  
Gary D Grimmonpre CRS# MFKR583K

Nov. 12, 2021 TACH: 1113

Replaced nose tire  
500X4 P/N- 504 C61-2 and  
tube 500X4 P/N- TR67. In-  
flate to proper pressure.

*Rich Korte*  
A&P 332486168



# AIR TIME AND

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

B  
F

Date: 3/23/2022; Aircraft: 989CT; Type: DIAMOND KATANA; S/N: C0089; Tach: ~~4531.60~~ <sup>1131.60</sup>


R&R 4 fuel injectors with new p/n 632147-1178, R&R 8 spark plugs with new p/n RHM38E. Adjusted idle mixture - test flight found OK.

Aircraft is approved for return to service.

All work performed in accordance with manufacturer's specifications and Federal Aviation Regulations.

  
Gregory C. Smith 3618278 A&P

July 8 2022 TACH: 1146.1  
C/W Service Bulletin DACI-27-3 Rev.1  
Flap Bell crank inspection. All aspects  
are good. Next due at 1246.1

  
A&P 332484168

MAKE: Diamond Aircraft Ind  
MODEL DA 20-C1  
S/N C0089  
REG. NO: N989CT  
WORK ORDER: 9944-08-2022



**J.A. Air Center**

Repair Station No. NF2R029L  
43W730 US RT 30  
Sugar Grove Illinois 60554  
Phone 630.584.3200

DATE: 06 October, 2022  
A/C TSN: 1154.4  
TACH: 1154.4

## Airframe Entries

31 This MT Propeller P/N: MT175R150-2Ca, S/N: 11097 was removed for repair by an outside vendor. Propeller time since overhaul is 443.7 Hrs. and total time is UNKNOWN.

## Maintenance Release

The aircraft, engine, appliance or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L and EASA.145.6960 under Work Order No. 9944-08-2022, Dated 06 October, 2022.

DATE: 06 October, 2022

SIGNED:

  
Timothy Quigley  
Certified Repair Station No. NF2R029L

Work Order: 9944-08-2022

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CARRIED FORWARD

## INSPECTION, REPAIRS &amp; REPLACEMENT

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

SIGNATURE

LICENCE  
NUMBER

MAKE: Diamond Aircraft Ind  
MODEL: DA 20-C1  
S/N: C0089  
REG NO: N989CT  
WORK ORDER: 9944-08-2022



J.A. Air Center

Repair Station No. NF2R029L  
43W730 US RT 30  
Sugar Grove, Illinois 60554  
Phone. 630.584.3200

DATE 04 January, 2023  
A/C TSN: 1155 6  
TACH: 1155 6

## Airframe Entries

- 1 Completed an Annual Inspection on this aircraft as per Diamond Aircraft AMM Ch 05-00 Maintenance checks Doc# DA201-C1 for an Annual Inspection as a guide and AC 43.13-1B Chapter 9. Tested and inspected the ELT as per FAR91.207d. ELT battery expiration date is 07/2024. See the following items for additional service and repairs.
- 4 Couldn't duplicate issue at this time, needs time to get worse to determine point of failure.
- 8 Installed new instrument air regulator filter P/N: ARB3-5-1, as per Diamond DA20-C1 AMM (Rev 24) Ch. 37-10-00. Replacement next due 100 Hrs. or 12 months.
- 9 Vacuum regulator pressure adjusted as per Diamond DA20-C1 AMM (Rev 24) Ch. 37-10-00.
- 12 Installed new Bracket Induction Air Filter, Bracket P/N: BA235E, as per Diamond DA20-C1 AMM (Rev 24) Ch. 73-00. Replacement next due 100 Hrs or 12 months.
- 15 Adjusted both canopy latches using new shims, Diamond P/N: 22-5600-00-15, 22-5600-00-18 to within proper force adjustment as per Diamond DA20-C1 AMM (Rev. 24) Ch. 52-10-00.
- 16 Installed new LH aft nav light lens, Whelen P/N: A615.
- 17 Installed new fire extinguisher Amerex P/N: A344T, Bottle manufactured 2022, Initial Weight: 2lbs 6.4oz and placarded.
- 18 Installed new bolt, washers, and nut P/N's AN3-12A, NAS1149F0363P, MS21042-3, on RH and LH flap inboard hinge with reference to Diamond DA20-C1 AMM (Rev 23) Ch. 57-50-00
- 19 Installed new ELT Battery, P/N: GS-52 as per Emergency Beacon Corp. GS-52 Replacement Instructions. Battery replacement next due: 07/ 2024
- 20 Installed new brake disc 2ea APS P/N: APS164-24200, new linings 4ea APS P/N: APS66-10600 using new brake rivets 8ea APS P/N: APS105-00200. Work performed with reference to Cleveland Manual AWBCMM0001-28/USA.
- 22 Removed and reinstalled LH and RH magnetos, RH Slick P/N: 4309, SN: 99032795, LH Slick P/N: 4310, SN: 99032777, after Slick 500 Hr. inspection by G&N Aircraft. Reference W/O #75254. Magnetos installed with new gaskets, P/N: LW-649954, as per Continental M-0 Standard Practice Maintenance Manual (Rev1) Ch 10-5.3-5.4 Inspection next due 500 Hrs. TIS.
- 23 Forward and aft rudder cables were replaced with new as per Diamond DA20-C1 AMM (Rev 23) Ch. 04-00 and Ch. 27-20-00 Pg 204 thru 208. Installed new cables using Diamond Aircraft Rudder Cable Kit 1ea P/N: CSKT-01, LOT: CS0725452-10000(1) . Adjusted and inspected rudder control system as per AMM Ch. 27-20-00. Rudder cables are to be replaced 3000 Hrs TIS or 10 Years (01/2033)
- 24 Replaced propeller extension assembly, 1ea Diamond Aircraft P/N: 22-6103-01-00, and propeller rear bulkhead assembly, 1ea Diamond Aircraft P/N: 22-6103-60-00. Installed with reference to FAA STC SA03373AT Installation Instructions Doc. No. E-1343.
- 25 Installed new starter vibrator battery, Diamond P/N: NP1.2-12, with new bracket, Diamond P/N: 22-7432-00-01\_01, mounting pad, Diamond P/N: 22-7432-00-03, and clamp assembly Diamond P/N: 22-7432-10-00. Work was performed in accordance with Diamond Aircraft Service Bulletin DAC1-74-04 REV. 0. Starter vibrator battery next due 2000 Hrs TIS or 2 years.
- 26 Aircraft primary battery removed and replaced with new, Gill P/N: 7035-28, S/N: G03139512 (Mfg Date 02/2022) as per Diamond DA20-C1 AMM (Rev 24) Ch. 24-31-00.
- 28 Dynamically balanced this propeller MT Propeller as per Chadwick Smooth Propeller manual and MT Standard Practices Manual 202A.
- 29 RH brake caliper removed, cleaned, inspected and re-sealed. Installed new o-ring, P/N: MS28775-218. RH brake system bled to remove entrapped air. Work performed with reference to Cleveland Manual AWBCMM0001-28/USA.
- 32 Installed MTPropeller P/N: MT175R150-2Ca, S/N: 11097 after overhaul by Tiffin Aire, Inc. FAA CRS DTXR341D. Reference Tiffin Aire FAA form 8130-3 dated 11/04/2022 W/O 26145. Installed propeller as per FAA STC SA03373AT Install Doc No. E-1343. Recommend propeller retorque at 50 Hrs. TIS or seasonal temperature changes.
- 33 Diamond Aircraft MSB-DAC1-27-03 C/W by visual inspection of the flap actuator bellcrank - no defects noted.

## Maintenance Release

I certify the aircraft and/or component(s) on was repaired and/or inspected in accordance with an annual inspection, and current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L and EASA 145.6960 under Work Order No. 9944-08-2022, Dated 04 January, 2023

DATE: 04 January, 2023

SIGNED:

Timothy Quigley  
Certified Repair Station No. NF2R029L

Work Order: 9944-08-2022

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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					

MAKE: Diamond Aircraft Ind  
MODEL: DA 20-C1  
S/N: C0089  
REG NO: N989CT  
WORK ORDER: 10177-03-2023



**J.A. Air Center**  
Repair Station No. NF2R029L  
43W730 US RT 30  
Sugar Grove, Illinois 60554  
Phone: 630.584.3200

DATE: 23 March, 2023  
A/C TSN: 1155.6  
TACH: 1155.6

#### Airframe Entries

- Fuel level sender removed and inspected as per Diamond Aircraft DA20-C1 AMM (Rev 24) Ch 05-20-00 and Ch. 28-40-00. No defects noted. Fuel sender float appeared to be traveling free. Terminal ends of fuel quantity sensor leads replaced with new with reference to FAA AC 43.13-1B CHG 1 Section 14. Re-crimped and seated connectors on fuel quantity gauges. Operationally checked fuel level indication system and found normal indications.
- Fuel tank, lower cabin interior and firewall sections were inspected as per Diamond Aircraft DA20-C1 AMM (Rev 24) Ch 05-20-00. Re-sealed fuel filler neck vent line as required. No further defects noted.

#### Maintenance Release

The aircraft, engine, appliance or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L under Work Order No. 10177-03-2023, Dated 23 March, 2023.

DATE: 23 March, 2023

SIGNED:

Timothy Quigley  
Certified Repair Station No. NF2R029L

Work Order: 10177-03-2023

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MAKE: Diamond Aircraft Ind  
MODEL: DA 20-C1  
S/N: C0089  
REG NO: N989CT  
WORK ORDER: 10613-02-2024



**J.A. Air Center**  
Repair Station No. NF2R029L  
43W730 US RT 30  
Sugar Grove, Illinois 60554  
Phone: 630.584.3200

DATE: 19 March, 2024  
A/C TSN: 1223.4  
TACH: 1223.4

#### Airframe Entries

Completed an Annual Inspection on this aircraft as per Diamond Aircraft AMM Ch 05-00 Maintenance checks Doc# DA201-C1 for an Annual Inspection as a guide and AC 43.13-1B Chapter 9. Tested and inspected the ELT as per FAR91.207d. ELT battery expiration date is 07/2024. See the following items for additional service and repairs.

Bled LH & RH Brakes as per Diamond AMM Ch 32-40 pg.109. Reservoirs were serviced with MIL-H-5606 as required.

Weighed and Checked Fire Extinguisher, OK  
2.47 lbs

Installed new Bracket Induction Air Filter, Bracket P/N: BA235E, as per Diamond DA20-C1 AMM (Rev 24) Ch. 73-00. Replacement next due 100 Hrs. or 12 months.

Removed GILL Battery P/N 7035-28S/N G03139512 and performed capacity check as per Gill battery maintenance Manuel (Ch. 7.7). The battery was found above 80% capacity and returned to service. Next test is due in 4 months or 200 hours which ever comes first.

Diamond Aircraft MSB-DAC1-27-03 C/W by visual inspection of the flap actuator bellcrank - no defects noted.

Performed propeller Bolt Torque Check -FAA STC SA03373AT MT 175R150-2CA Propeller Installed. Ref ICAs Doc No. E-1344. Ref Install Doc No. E-1343 GTX 345 SN/ 3EG029182

Complied with Altitude reporting system and transponder tests to 20,000 feet in accordance with Part 43 appendix F as required by 91.413.

Installed new instrument air regulator filter P/N: ARB3-5-1, as per Diamond DA20-C1 AMM (Rev 24) Ch. 37-10-00. Replacement next due 100 Hrs. or 12 months.

Replaced all 8 engine shock mounts with new as per Diamond DA20 AMM (Rev. 25) Ch 71-20-00. installed new Lord Mounts, Lord P/N: J-3608-1. Replaced engine mount bolts with new 4ea P/N AN6-52A.

#### Maintenance Release

The aircraft, engine, appliance or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L under Work Order No. 10613-02-2024, Dated 19 March, 2024.

19 March, 2024

SIGNED:

Timothy Quigley  
Certified Repair Station No. NF2R029L

Work Order: 10613-02-2024

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MAKE: Diamond Aircraft Ind  
MODEL: DA 20-C1  
S/N: C0089  
REG NO: N989CT  
WORK ORDER: 10876-08-2024



**J.A. Air Center**  
Repair Station No. NF2R029L  
43W730 US RT 30  
Sugar Grove, Illinois 60554  
Phone: 630.584.3200

DATE: 14 August, 2024  
A/C TSN: 1234.4  
TACH: 1234.4

#### Airframe Entries

- Troubleshoot popped "Gen" CB and could not replicate issue. Replaced generator 50 amp circuit breaker (P/N W23-X1A1G-50), ran the aircraft, and found no discrepancies.

#### Maintenance Release

The aircraft, engine, appliance or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L under Work Order No. 10876-08-2024, Dated 14 August, 2024.

DATE: 14 August, 2024

SIGNED:

Bruce Rebechini  
Certified Repair Station No. NF2R029L

Work Order: 10876-08-2024

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MAKE: Diamond Aircraft Ind  
MODEL: DA 20-C1  
S/N: C0089  
REG. NO: N989CT  
WORK ORDER: 11147-03-2025

**J.A. Air Center**

Repair Station No. NF2R029L  
43W730 US RT 30  
Sugar Grove, Illinois 60554  
Phone: 630.584.3200

DATE: 24 April, 2025  
A/C TSN: 1267 B  
TACH: 1267.8

**Airframe Entries**

- 1 Completed an Annual Inspection on this aircraft as per Diamond Aircraft AMM Ch 05-00 Maintenance checks Doc# DA201-C1 for an Annual Inspection as a guide and AC 43.13-1B Chapter 9. Tested and inspected the ELT as per FAR91.207d. ELT battery expiration date is 03/2027. See the following items for additional service and repairs.
- 4 Replaced ELT battery (p/n GS-52). ELT battery replacement next due at 03/27.
- 5 Weighed and Checked Fire Extinguisher, OK 2.38 lbs
- 6 Installed new Bracket Induction Air Filter, Bracket P/N: BA235E, as per Diamond DA20-C1 AMM (Rev 24) Ch. 73-00. Replacement next due 100 Hrs. or 12 months.
- 7 Installed new starter vibrator battery, Diamond P/N: NP1.2-12, Replacement next due 2 Yrs.
- 8 Removed GILL Battery P/N 7035-28, S/N G03139512 and preformed capacity check as per Gill battery maintenance Manuel (Ch. 7.7). The battery was found above 80% capacity and returned to service. Next test is due in 4 months or 200 hours which ever comes first.
- 9 Diamond Aircraft MSB-DAC1-27-03 C/W by visual inspection of the flap actuator bellcrank - no defects noted
- 10 Performed propeller Bolt Torque Check -FAA STC SA03373AT MT 175R150-2CA Propeller Installed. Ref ICAs Doc No. E-1344. Ref Install Doc No. E-1343
- 12 Installed new instrument air regulator filter P/N: ARB3-5-1, as per Diamond DA20-C1 AMM (Rev 24) Ch. 37-10-00. Replacement next due 100 Hrs. or 12 months.
- 13 Installed new induction filter bulb seal p/n 22-7301-02-01.

1 of 2

- 15 Stop drilled crack in cylinder 3 baffling. Applied RTV to damaged section of baffle seal above cylinders 1 and 3. Repaired forward baffling.
- 16 Installed new section of SCAT-13 ducting for cabin heat intake.
- 17 Resealed pilots RH and copilots LH brake master cylinders using Cleveland brake cylinder seal kit P/N: 199-51600. Bled brakes. No further discrepancies.
- 18 Installed new foam tape on horizontal stabilizer fairing.
- 19 Adjusted rudder cable tensions as per DA20-C1 AMM Rev. 25 27-20-00
- 20 Adjusted aileron travel as per DA20-C1 AMM Rev. 23 Ch 27-10-00
- 21 Installed new brake linings P/N: APS66-10600 and rivets P/N: APS105-00200 as per Cleveland CMM AWBCMM0001-28.

**Maintenance Release**

I certify the aircraft and/or component(s) on was repaired and/or inspected in accordance with an annual inspection, and current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L under Work Order No. 11147-03-2025, Dated 24 April, 2025.

DATE: 24 April, 2025

SIGNED:

Timothy Quigley  
Certified Repair Station No. NF2R029L

Work Order: 11147-03-2025

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