



AAMRO AVIATION CORP

AIRCRAFT - DIAMOND DA-20

N143AA

- ANNUAL INSPECTION DUE: 11/30/22
- 100HR. INSPECTION DUE: 562.1
- ELT BATTERY DUE: 6/30/23
- Registration: 10/31/22
- 4.11.4.13: 6/30/23

For any maintenance related questions or maintenance emergencies, please contact the office @ 561-660-7468

2633 Lantana Road\* LNA\* Hangar 806 & 807\*  
Lake Worth FL 33462

- Email: [Info@aamroaviation.com](mailto:Info@aamroaviation.com)
- Web: [www.aamroaviation.com](http://www.aamroaviation.com)
- Phone 561-660-7468



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REPLACE BATTERY  
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TO REORDER CALL 1-800-382-0079

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Transports Canada  
Aviation

TP 908E

# AIRCRAFT TECHNICAL LOGS

## Section 1. AIRFRAME

Second Edition

January 1987

Canada

REPÚBLICA DE TURQUÍA (TURKEY)  
REPUBLIQUE TURQUE (TURKEY)  
T.C. HAVACILIK GENEL MÜDÜRLÜĞÜ  
T.C. CIVIL AVIATION AUTHORITY

FAKULTE DE RECHERCHES AERONAUTIQUES  
FAKULTÄT FÜR LUFTFAHRTSWEISSENSCHAFTEN  
FAKULTÄT FÜR LUFTFAHRTSWEISSENSCHAFTEN

AIRCRAFT

N109RE AS09 7/14

1. Nationality and Registration N183 DA
2. Manufacturer's Designation DA 20-A1
3. Manufacturer's Serial Number 10183
4. Type Approval or Specification Number A191/TA4CH
5. Date of Manufacture 1996
6. Aircraft Inspection Cycle \_\_\_\_\_

CERTIFICAT DE CONFORMITE  
FAKULTÄT FÜR LUFTFAHRTSWEISSENSCHAFTEN



AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE		ENGINEERING RECORD
	HRS.	MIN.	HRS.	MIN.	
9/9/96	0022	8	0022	8	Complied with Diamond Aircraft cables installed 2 new cables # 20-7600-01-99 I/AW -EVD → J. Puggino AP 148502171
9/11/96	0026	0	0026	0	Complied with 100 HR Inspection in accordance with Diamond A/c Service Bulletin # DA 20-28-01 (Fuel Cap Safety chain) Installed Diamond A/c Service Bulletin # DA 20-28-01 (Fuel Cap Safety chain)
11-8-96	124	2			Complied with 100 HR INSPECTION IN CHIP: 05-20 TABLE 2
					Signature J. Puggino 148502171
					Signature [Signature] 199242173A

ENGINEERING RECORD

INSPECTION, REPAIRS & REPLACEMENT	SIGNATURE	LICENCE NUMBER
Service Bulletin No: DA 20-76-01 (Replacement of Throttle Service Bull No DA 20-76-01. Engine run-up performed satisfactory in accordance with Diamond A/c Maintenance manual and checklists # DA 20-28-01 (Fuel Cap Safety chain)		
ACCORDANCE WITH DIAMOND AIRCRAFT DA20 MAINTENANCE MANUAL		

ADDITIONAL SHEETS ARE ATTACHED  
 IF CHECKED SUPERVISOR'S SIGNATURE

AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD					
11-12-96			13	7	Removed & Replaced Fuel cap & Fuel photo assy. Installed Fuel cap #1033 & Fuel photo assy. DA20 Maint. Manual Doc. No. DA 201.
1-22-97			180	5	Installed WINTERIZATION KIT DA20-79-02 MK Cooling Placards with PROVIDED Placards
3-14-97			218	5	C/W 100 HR INSPECTION. Inspected AIRCRAFT Chap 05-20 TABLE 2. I CERTIFY THIS inspection & was determined to be in an
7-10-97			318	3	C/W ANNUAL INSPECTION. Inspected maintenance manual Chap 05-20 BRAKE LININGS. C/W AD 97-13-02 I CERTIFY THIS AIRCRAFT HAS BEEN was determined to be in an airworthy
7-16-97			337	1	Removed & Replaced Directional Gyro P/N 5050031927 S/W 25136. operational
8-06-97			337	6	Removed Steel main landing gear (replaced DA20 Katana Supplement 12 Aluminum) All work performed according to Maint. Manual. Main gear Wheel covers Nose covers useful load 450.25 lb operational
08-25-97			421	8	INSPECTED ELT & BATTERY FOR OPERATION AND FOUND OPERATIONAL CHECK SATISFACTORY.
					CARRIED FORWARD

ENGINEERING RECORD

DATE	SIGNATURE	LICENCE NUMBER	ENGINEERING RECORD
			INSPECTION, REPAIRS & REPLACEMENT ENTRIES: DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.
			I/A/W DIAMOND AIRCRAFT SERVICE Bulletin no. DA20-28-03. P/N 20-2802-01-02. All work performed I/A/W <del>IA149742776</del>
			I/A/W DIAMOND SERVICE Bulletin DA20-79-02 rev.1 <del>IA149742776</del>
			AIRCRAFT I/A/W DIAMOND DA20 maintenance manual AIRCRAFT HAS BEEN INSPECTED I/A/W a 100 HR AIRWORTHY condition.
			AIRCRAFT I/A/W DIAMOND AIRCRAFT DA20 TABLE 2. R/R Lt main tire. R/R Lt S/W 25136. DA20-53-01A inspected I/A/W an Annual inspection and condition. C/W ELT inspection as per FAR 91.207
			Removed P/N 5050031927 S/W 25049. Installed check satisfactory.
			With New Style Alum. gear. Compliance Program Main landing gear 22-3210-00-00 22-3211-00-00. Installation Drawing # 22-3211-00-00. Removed installed. New Empty lot 115875 lb C/W 12.09" Check Satisfactory
			OPERATION IN ACCORDANCE WITH FAR 91.207 FACTORY. REPLACE BATTERY FEB 1998



AIR TIME AND

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

N132DA 10397 4164 TACH 4730 H.M. W094525  
 100HR INSP. COMPLETED IN ACCORDANCE WITH KATANA DA20 100  
 HR CHECK LIST. INSTALLED NEW RIGHT MAIN TIRE. 38015101796 00-3  
 INSTALLED NEW RIGHT MAIN WHEEL BRAKE LINGS. I CERTIFY  
 THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH  
 THE REQUIREMENTS OF A 100 HOUR INSPECTION AND FOUND TO BE IN  
 AIRWORTHY CONDITION. ALL MAINTENANCE OPERATIONS  
 COMPLETED HAVE ALSO BEEN INSPECTED WITH RESPECT TO THE  
 WORK PERFORMED AND FOUND TO BE IN AIRWORTHY CONDITION.

THIS AIRCRAFT APPROVED FOR RETURN TO SERVICE UNDER ABOVE  
 REFERENCED W/O.

SIGNED *[Signature]* FOR  
 HELICOPTER ADVENTURES INC. CR56HAR182B

N132DA 10CT99 8173 8123 TACH W094533  
 INSTALLED RUDDER PEDAL ADJUSTMENT SYSTEM KIT IN  
 ACCORDANCE WITH SERVICE BULLETIN DA20-27-07. INSTALLED NEW  
 ELEVATOR TRIM INDICATOR. OPS CHECK GOOD. ALL MAINTENANCE  
 OPERATIONS COMPLETED HAVE BEEN INSPECTED WITH RESPECT TO  
 THE WORK PERFORMED AND FOUND TO BE IN AIRWORTHY  
 CONDITION. THIS AIRCRAFT APPROVED FOR RETURN TO SERVICE  
 UNDER ABOVE REFERENCED W/O.

SIGNED *[Signature]* FOR  
 HELICOPTER ADVENTURES INC. CR56HAR182B

N132DA 121597 5167 TSMOH 8N1ACTT.T. W0466  
 100HR/ANNUAL INSP. COMPLETED IN ACCORDANCE WITH DIAMOND AIRCRAFT SERVICE MANUAL AND  
 F.A.R. 43 APPENDIX D. REPLACED NOSE TIRE AND INSERTUBE. REPLACED LEFT SIDE COOLANT HOSE.  
 REPLACED NOSE WHEEL FAIRING RIVET. ADDED SUPPORT BRACKETS TO FUEL RECOVERY PLATES.  
 CRACKED PLATES. I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH THE  
 REQUIREMENTS OF A 100 HOUR ANNUAL INSPECTION AND FOUND TO BE IN AIRWORTHY CONDITION. ALL  
 MAINTENANCE OPERATIONS COMPLETED HAVE ALSO BEEN INSPECTED WITH RESPECT TO THE WORK  
 PERFORMED AND FOUND TO BE IN AIRWORTHY CONDITION. THIS AIRCRAFT APPROVED FOR RETURN TO  
 SERVICE UNDER ABOVE REFERENCED W/O.

SIGNED *[Signature]* FOR  
 HELICOPTER ADVENTURES INC. CR56HAR182B

CARRIED FORWARD

ENGINEERING RECORD

INSPECTION, REPAIRS & REPLACEMENT ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER
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**STERLING AVIONICS** Buchanan Field Airport LOGBOOK ENTRY  
 Concord, CA. 94520 MAINTENANCE  
 T:(925) 676-2100 Date: 5-27-98  
 F:(925) 676-5580

*Removed Rotax Engine A/R 912-F3  
 S/N 4412612 and Replaced with  
 like Rotax engine A/R 912-F3 S/N  
 4412716. This date SMOH 182.7  
 Aircraft must be test flown by qualified  
 pilot before any flight instruction.  
 Test flown - OK for return to service  
 [Signature]*

Signed: *[Signature]* Tach: 556.3  
 Joseph L. Bruno, A&P 2575450  
 W.O.#: 22183 Reg.#N 183DA Hobbs: 631.3

**STERLING AVIONICS** Buchanan Field Airport LOGBOOK ENTRY  
 Concord, CA. 94520 MAINTENANCE  
 T:(925) 676-2100 Date: 5-29-98  
 F:(925) 676-5580

*Replaced Trim Switch P/N 0961-0005  
 Replaced ELT MIN ERC-502 IN 202210G  
 WITH Lower ELT MIN ERC-502 S/N 2015456C  
 C/W AD 97-13-02 on per 36 DA 20-53-01A  
 END*

Signed: *[Signature]* Tach: 556.5  
 Joseph L. Bruno, A&P 2575450  
 W.O.#: 22183 Reg.#N 183DA Hobbs: 631.3

**STERLING AVIONICS** Buchanan Field Airport  
 Concord, CA. 94520  
 Tel:(510) 676-2100  
 Fax:(510) 676-5580

I certify that the ELT has been inspected in accordance with the requ  
 of FAR Section 91.207(d), and was found to be in satisfactory condit  
 ELT p/n ERC-502 - S/N 202210G  
 Battery Installed: 6-78 - S/N 202210G  
 Date: 6-16-98 Battery Que: 6-2000  
 Signed: *[Signature]* W.O.# 22183  
 Reg.# 183DA  
 FAA Repair Station Certificate Number W03R954L

**STERLING AVIONICS** Buchanan Field Airport LOGBOOK ENTRY  
 Concord, CA. 94520 MAINTENANCE  
 T:(925) 676-2100 Date: 6-15-98  
 F:(925) 676-5580

*Changed Oil using 3/4 qt of Valvoline  
 Multi-Grade. Replaced left lower  
 filter (new found) and replaced oil  
 filter with new p/n 825-701*

Tach: 586.3

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					
					<p><b>STERLING</b> 101 John Glenn Drive, Hangar 2 Concord, CA, 94520-5615 Tel: (510) 676-2100 Fax: (510) 676-5580</p> <p>Airframe</p> <p>Performed 200 hour inspection IAW Katana DA-20 Maintenance Manual. Checked and lubed all flight controls. Checked and greased main wheel bearings. Replaced Elastomer tape on right wing. Checked all lights for proper operation. AD's have been checked and complied with. (See AD compliance record.)</p> <p>I certify that this airframe has been inspected in accordance with 200 hour inspection and found to be in an airworthy condition for return to service.</p> <p>SIGNED: <i>Joseph L Bruno</i> TACH: 681.5 W.O.# 22196 REG# N183DA DATE: June 26, 1998 A&amp;P 2575450</p>

**STERLING** Buchanan Field Airport LOGBOOK ENTRY  
Concord, CA, 94520 MAINTENANCE  
T: (925) 676-2100 Date: 3-24-98  
F: (925) 676-5580

*Clw Service Bulletin DA20-24-03  
as per Service Bulletin. Replaced  
RT main tube disk with new pin  
114-0170. Replaced main gear hub  
main wheel pin to 10640. Checked  
brake for proper operation. App  
Check okay. END*

Signed: *Nick Remer* Hobbs: 766.0  
Nicholas W. Remer, A&P 560607301  
W.O.# 23014 Reg.# N183DA Hob

**STERLING** BUCHANAN FIELD AIRPORT  
CONCORD, CA, 94520-5615  
TEL: (925) 676-2100 FAX: (925) 676-5580  
FAA REPAIR STATION CERT # WQ1954L

ALL INSTRUMENTS AND INSPECTION EQUIPMENT  
HAVE BEEN TESTED AND INSPECTED AND FOUND TO  
COMPLY WITH THE REQUIREMENTS OF PART 43 LA-W, FAR 91.413.

TRANSPONDER(S) HAVE BEEN TESTED AND INSPECTED AND FOUND  
TO COMPLY WITH APPENDIX F OF PART 43 LA-W, FAR 91.413.

DATE: 8-3-98 W.O.# 23389 REG# N  
SIGNED: *Michael A. Berger* TACH: HOBBS

**STERLING** 101 John Glenn Drive, Hangar 2  
Concord, CA, 94520-5615  
Tel: (510) 676-2100 Fax: (510) 676-5580

Airframe  
Performed 200 hour inspection IAW Katana DA-20 Maintenance Manual. AD's checked. See work 23033 for further details.

I certify that this airframe has been inspected in accordance with 200 hour inspection and found to be in an airworthy condition for return to service.

SIGNED: *Nick Remer* DATE: 8-6-98  
Nick Remer, A&P 560607301

TACH: 681.5 HOBBS: 773.5 W.O.# 22196 REG# N183DA

ENGINEERING RECORD

INSPECTION, REPAIRS & REPLACEMENT ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER
<p><b>STERLING</b> 101 JOHN GLENN DRIVE, HANGAR 2 CONCORD CA 94520 T: (925) 676-2100 F: (925) 676-5580</p> <p>I CERTIFY THAT THIS AIRFRAME HAS BEEN INSPECTED IAW ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.</p> <p>SIGNED: <i>Harlan L Hill</i> Harlan L Hill, IA1365602 TACH: 681.5 HOBBS: 773.5 REG: N183DA DATE: 8-6-98</p>		

8-12-98  
TACH 0693:  
INSTALL NEW TUBE A  
RT MAIN TUBE  
Nick Remer - AP 560607301

**STERLING** Buchanan Field Airport LOGBOOK ENTRY  
Concord, CA, 94520 MAINTENANCE  
(925) 676-2100 Date: 9-2-98

Performed 50hr Inspection IAW Section 50hr Inspection sheet. Replaced RT Main Tube pin 10640-1.

Signed: *Joseph L Bruno* Tach: 2461  
Joseph L Bruno, A&P 560607301  
W.O.# 23058 Reg.# N183DA Hobbs:

AIR TIME AND

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	HRS.	MIN.	HRS.	MIN.	

**STERLING** Buchanan Field Airport **LOGBOOK ENTRY**  
Concord, CA. 94520 MAINTENANCE  
T: (925) 676-2100 Date: 9-17-98  
F: (925) 676-5580

*INSTALL NEW MAIN FUSE ON AFT MAIN ON 385 MAG-1*  
*INSTALL NEW SEC X5 TVAR ON RH MAIN*

TACH SCALE CORRECTION CARD  
Inst: P/N 01-112-5240  
Serial No: 1343  
Power Setting Indication  
500 RPM 480  
1000 RPM 780  
1500 RPM 1180  
2000 RPM 1580  
2500 RPM 2080  
3000 RPM 2580  
3500 RPM 3080  
Inspector YS Date diels

Signed: Nick Remer Tach: 776.3  
Nick Remer, A&P 560607301  
W.O.#: 23074 Reg.#N 1830A Hobbs: 0860

**STERLING** Buchanan Field Airport **LOGBOOK ENTRY**  
Concord, CA. 94520 MAINTENANCE  
T: (925) 676-2100 Date: 10-2-98  
F: (925) 676-5580

*Expanded 100hr inspection IAW Katana Master manual. Replaced Battery. Replaced coolant for prop. level. Replaced plastic top on right wing. Replaced step on pilot with no step. Checked for compliance. Replaced battery terminal. SIB 912-23.*

**STERLING** 101 JOHN GLENN DRIVE  
HANGAR 2  
CONCORD CA 94520 5615  
T: 925-676-2100 F: 925-676-5580

*Replaced spinner with new. Replaced limpet with new. Replaced tachometer with new. Tach time 776.7 when approach. ENO*  
*For more details see W/O 28428*

The components identified above were repaired and inspected IAW Federal Aviation Regulations and were found to be in an airworthy condition for return to service.  
Signed: Michael Bruno Date: 1-8-99 N# 1830A  
Michael Bruno, A&P 2585871  
Hobbs: 0.00 TSN: 8247 TSMOH: W/O# 28428

*Adjustment To Tach Plane Flown*  
*Approximately 48.0 hrs with NO*  
*MOVEMENT OF TACH TIME*

CARRIED FORWARD

ENGINEERING RECORD

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**STERLING** 101 JOHN GLENN DRIVE  
HANGAR 2  
CONCORD CA 94520 5615  
T: 925-676-2100 F: 925-676-5580

*Installed customer supplied Interson PM 501 S/N K03789-N-C. Checked for proper operation. Appl check okay. ENO*

The components identified above were repaired and inspected IAW Federal Aviation Regulations and were found to be in an airworthy condition for return to service.  
Signed: Michael Bruno Date: 1-17-99 N# 1830A  
Michael Bruno, A&P 2585871  
Hobbs: 2.40 TSN: 8247 TSMOH: W/O# 28441

**STERLING** 101 JOHN GLENN DRIVE  
HANGAR 2  
CONCORD CA 94520 5615  
T: 925-676-2100 F: 925-676-5580

*Installed flap up pad on R flap. All discrepancies from 700hr inspection have been completed and aircraft is return to service. ENO*

The components identified above were repaired and inspected IAW Federal Aviation Regulations and were found to be in an airworthy condition for return to service.  
Signed: Michael Bruno Date: 4-28-99 N# 1830A  
Michael Bruno, A&P 2585871  
Hobbs: 4.2 TSN: 8247 TSMOH: W/O# 28441

**STERLING AVIONICS** Buchanan Field Airport  
Concord, CA. 94520  
Tel: (510) 676-2100  
Fax: (510) 676-5580

I certify that the ELT has been inspected in accordance with the require of FAR Section 91.207(d), and was found to be in satisfactory condition.  
ELT p/n EBL-207 s/n 225218-025  
Battery Installed: 0-78 Battery Due: 24531  
Date: 1-1-99 W.O.# 24531  
Signed: Wes Jones Reg.# 1830A  
FAA Repair Station Certificate Number WQ3R954L

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.	

**STERLING** 101 JOHN GLENN DRIVE  
HANGAR 2  
CONCORD CA 94520 5615  
T: 925-676-2100 F: 925-676-5580

Performed 200 Hour Inspection in accordance with Katana Maintenance Manual. Aircraft not returned to service due to the discrepancies listed below:  
1. Pilot step missing  
2. Spinner O-Ring cracked & needs to be replaced  
3. Storm window screws missing  
4. Rudder pedal spring missing  
5. Right nav light inop  
6. 8 placards missing or incorrect  
7. Flap up pads missing  
For Further details, see w/o# 28471.

The components identified above were repaired and inspected IAW Federal Aviation Regulations and were found to be in an airworthy condition for return to service.  
Signed: Michael Bruno Date: April 8, 1999 N# 1830A  
Michael Bruno, A&P 2585871  
Tach: 49.2 TSN: 8247 TSMOH: W/O# 28441

**STERLING** 101 JOHN GLENN DRIVE  
HANGAR 2  
CONCORD CA 94520 5615  
T: 925-676-2100 F: 925-676-5580

*Replaced broken or missing storm window screws. Replaced Pilot step with new. Replaced spinner (P-Ring). Replaced missing rudder pedal spring. Replaced nav light (1st inch). Replaced missing placards. Replaced engine mounts (3). Replaced exhaust spring (4). For more details see W/O 28441.*

The components identified above were repaired and inspected IAW Federal Aviation Regulations and were found to be in an airworthy condition for return to service.  
Signed: Michael Bruno Date: 4-22-99 N# 1830A

**STERLING** 101 JOHN GLENN DRIVE  
HANGAR 2  
CONCORD CA 94520 5615  
T: 925-676-2100 F: 925-676-5580

*Installed Rudder pedal adjustment cables. Appl check okay. ENO*

The components identified above were repaired and inspected IAW Federal Aviation Regulations and were found to be in an airworthy condition for return to service.  
Signed: Michael Bruno Date: 10-2-99 N# 1830A

AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE REG.		ENGINEERING RECORD
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD					

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

**STERLING** 101 JOHN GLENN DRIVE  
HANGAR 2  
CONCORD CA 94520 5615  
T: 925-676-2100 F: 925-676-5580

ASSTED TO 4 PWRHT PADS  
ON 60-00600  
AD 3 (EMERGED) 1 ARGE DUE  
AD 93-05-06 DUE @ 2000 HRS

For Further details, see w/o# 28534  
The components identified above were repaired and inspected IAW Federal Aviation Regulations and were found to be in an airworthy condition for return to service.  
Signed: Nick Remer Date: 7-7-99 No. 18309  
Tach: 144.5 TTSN: 974.2 TSMOH:

**STERLING** 101 JOHN GLENN DRIVE, HANGAR 2  
CONCORD, CA. 94520-5615  
T: (925) 676-2100 F: (925) 676-5580

I CERTIFY THAT THIS AIRFRAME HAS BEEN INSPECTED IAW ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION

SIGNED: Joseph L. Bruno DATE: 7/8/99  
TTS: 974.2 TSMOH: REG # N 28534

**STERLING** 101 JOHN GLENN DRIVE  
HANGAR 2  
CONCORD CA 94520 5615  
T: 925-676-2100 F: 925-676-5580

Installed electronic module p/w 965-359. Installed new muffler and exhaust pump. Installed propeller. Ground was checked for proper. Oppr check okay  
END

For Further details, see w/o# 28528  
The components identified above were repaired and inspected IAW Federal Aviation Regulations and were found to be in an airworthy condition for return to service.  
Signed: Michael Bruno Date: 8-28-99 No. 1830A  
Tach: 202.9 TTSN: TSMOH:

**STERLING** 101 JOHN GLENN DRIVE  
HANGAR 2  
CONCORD CA 94520 5615  
T: 925-676-2100 F: 925-676-5580

Performed 1000hr inspection. Checked out maintenance manual. Checked all flight controls. Replaced elastick top on wings. Replaced gear box for oil and reinstalled upon return from aircraft.  
END

For Further details, see w/o# 28531  
The components identified above were repaired and inspected IAW Federal Aviation Regulations and were found to be in an airworthy condition for return to service.  
Signed: Michael Bruno Date: 9-17-99 No. 18307  
Tach: 212.1 TTSN: 1036 TSMOH:

**STERLING** 101 JOHN GLENN DRIVE, HANGAR 2  
CONCORD, CA. 94520-5615  
T: (925) 676-2100 F: (925) 676-5580

I CERTIFY THAT THIS AIRFRAME HAS BEEN INSPECTED IAW ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION

SIGNED: Harlan L. Hill DATE: 17 Sep 99  
TACH: 212.1 HOBBS: X REG # N 1830A

TRANSPONDER SYSTEM INSPECTED IAW FAR 91.413 TESTED IAW FAR 43 APPENDIX F. DATE 9-20-99  
INSPECTOR: Michael Bruno  
STERLING AVIONICS CRS 10/1/99

ED FORWARD

ENGINEERING RECORD

DATE	INSPECTION, REPAIRS & REPLACEMENT	SIGNATURE	LICENCE NUMBER

**STERLING** Buchanan Field Airport  
Concord, CA. 94520-5615  
(925) 676-2100 (925) 676-5580 FAX

LOGBOOK ENTRY  
Date: 9-20-99

Replaced PCI SSD-120 Engine with new SSD-120 Engine. Checked for proper synchronization.

Signed: Michael Bruno W.O.#: 28008  
Reg. #N 1830A Hobbs: Tach: 213.0  
F.A.A. REPAIR STATION CERTIFICATE NO. WQ3R954L

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.	
4/14/01	TACH	252.7			I CERTIFY THIS AIRCRAFT HAS BEEN REPAIRED AND INSPECTED FOR RETURN TO SERVICE. INSTALLED NEW PROPULSOR SER NO. N663A, OVERHAUL GEAR BOX, NEW RIGHT HAND GEAR LEG. REPAIR WORK ARE ON FILE W/ # 183DA-316H. COMPLETED TO BE IN AN AIRWORTHY CONDITION. NO NEW A.D.'S STALE
MARCH 12/02	TACH	354.5			CHK S.B. PA20-55-04 UPPER RUDDER BENDING REPAIRS DONE. CLEANED AND ADJUSTED R.H. BRACE ON RUD. PWS. (COMPLETION) FILE UNDER W/O 183DA-3251. AD'S CHECKED THEN ISSUE FAA REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE.
6/19/02	TACH	417.8			REMOVED KIT 6A TRANSPONDER SERIAL NO. 104570 FOR MALCOLM AM 6355-645 13,748.5-6355-13982.05 / NEW EMPTY WT. 114.31
8-26-02	0922.9				REINSTALLED KIT 6A 104570 PER PART 43 APP E APPROVED FOR RETURN TO SERVICE
9/14/02	TACH	423.1	TISN	374.2	REPAIRED TAIL LIGHT BULB, INSTALLED WHEEL PAWS. MANUAL AND FOUND TO BE IN AN AIRWORTHY CONDITION.

CROWNAIR  
 FAA Approved Repair Station #CWN273K  
 3753 John J. Montgomery Dr.  
 San Diego, CA 92123

Reg. #: N183DA Model: DA20-A1 S/N: 10183  
 Date: October 25, 2002 Time: 451.4 TISN: 902.5

Replaced nose tire with 400x4 6 ply tire.

The aircraft identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was approved for return to service. Pertinent details of the repair are on file at this repair station under Work Order # LT-02-01681.

*D. Lyle*  
 Authorized Representative

CARRIED FORWARD

ENGINEERING RECORD

INSPECTION, REPAIRS & REPLACEMENT ENTRIES: DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER
AND INSPECTED I.A.M. WEIGHT FAA REGULATIONS AND IS PREPARED SER NO. N663A, OVERHAUL GEAR BOX, NEW RIGHT HAND GEAR LEG. REPAIR WORK ARE ON FILE W/ # 183DA-316H. COMPLETED TO BE IN AN AIRWORTHY CONDITION. NO NEW A.D.'S STALE	<i>D. Lyle</i>	MANSBERGER AIRCRAFT FAA CRS L1MR829N 2227A BELLANCA ST. MINDEN, NV 89423
REPAIRED LEFT MAIN TIE WITH REPAIRED FLIGHT CONTROL 3.80X15/15-6006 100 HR INSPECTION AT THIS TIME PER DIAMOND CHECKLIST. DETAILS ON 180-04. I CERTIFY THIS AIRCRAFT HAS BEEN REPAIRED AND INSPECTED FOR RETURN TO SERVICE.	<i>D. Lyle</i>	MANSBERGER AIRCRAFT FAA CRS L1MR829N 2227A BELLANCA ST. MINDEN, NV 89423
TO CHANGE AIRWINGS. ADJUSTED TENDRY WT. AND BAL -31.15-205 -31.185.9 (NEW EMPTY CG 120" AT EMPTY WT. 1146lbs)	<i>D. Lyle</i>	MANSBERGER AIRCRAFT FAA CRS L1MR829N 2227A BELLANCA ST. MINDEN, NV 89423
RE 76-7 UNIT COMPLIANCE WITH FAR 91.413 (SERVICE CHARTERED AVIATION OF 91.413)	<i>D. Lyle</i>	MANSBERGER AIRCRAFT FAA CRS L1MR829N 2227A BELLANCA ST. MINDEN, NV 89423
COMPLETED ANNUAL 100 HR INSPECTION PER DIAMOND MAINTENANCE CONDITION. ALL A.D.'S COMPLIANT WITH TACH ISSUE 2002-18.	<i>D. Lyle</i>	MANSBERGER AIRCRAFT FAA CRS L1MR829N 2227A BELLANCA ST. MINDEN, NV 89423



AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFD		ENGINEERING RECORD NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
19 Jun 04	TACH	7237	HOB6	1736.3	Performed 100 hr inspection IAW DA20A1 Maintenance Instruction manual. I certify this aircraft is airworthy Timothy T. Boone Timothy T. Boone A&P 2781829
	TT	29640	TSC	10370	
					I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH <del>FAA</del> INSPECTION <b>ANNUAL 10</b> AS PER <del>CARAMELUS</del> <b>EXLUST</b> AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. D. KENT TARVER A&P 23929901A
					DATE 6-19-04 TACH 1039 TACH TIME 7237 I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH <del>FAA</del> INSPECTION <b>ANNUAL 10</b> AS PER <del>CARAMELUS</del> <b>EXLUST</b> AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. D. KENT TARVER A&P 23929901A
8-16-04	AIR	3088.2			Performed 100 hr inspection IAW DA20A1 Inspection check list. I certify this aircraft is to be airworthy 30424 FIT 11-2005 Timothy T. Boone 2781829 A&P
8-16-04	"	"			Removed and Replaced RH Aileron PIN found to be WORN. Timothy T. Boone 2781829 A&P
					CARRIED FORWARD

ENGINEERING RECORD

INSPECTION, REPAIRS & REPLACEMENT ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER
7 July 04 Per 100 hr INSP Late Entry Performed R-Bolt Monitor for Possible Radial and Axial Play Every 25 hr (No Play Found) INSP T. Boone 100 hr inspection. Certificate 2781829 A&P		
4 Aug 00 504 Eng Installed New Eng Rubbers Used 5-11-05 Inspected Aircraft IAW DIAMOND 100 hr Checklist No Discrepancies Noted FLT EBC 502 Inspected IAW FAR 91.207 ops OK FLT Battery Due 11-05 ADs Researched thru 2005-07 No AD Found due @ this time I CERTIFY this Aircraft Has been Inspected IAW AN ANNUAL Inspection and is in Airworthy Condition TACH 9623 TTAF 2781829 A&P		
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 No 1 S/N 104570 Transponder No 2 S/N Aircraft Make Diamond Model DA20-A1 Reg N183DA Date 12-1-05 NO No 28539 Sig Bonhede CRS VT38931L Gibbs Service Center Inc. 8906 Aero Drive San Diego CA 92123		
The Altimeter, Automatic Pressure Altitude Reporting, and Static System tests and inspections required by FAR 91.411(a)(1) have been performed and found to comply with FAR Part 43, Appendix E. Altimeter(s) tested to 20000 feet. Pilot Altim S/N 6K383 CoPilot Altim S/N Aircraft Make Diamond Model DA20-A1 Reg N183DA Date 12-1-05 NO No 28539 Sig Bonhede CRS VT38931L Gibbs Service Center Inc. 8906 Aero Drive San Diego CA 92123		

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 ENTRIES. DRAW A DIAGONAL LINE.
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD	TACH	TOTAL	HRS	TSOH	Tach replaced w/ DL-112240B, cal for Rotax Tach-44
9/2/05	0000		20:56	93.4	

A/C Model Diamond DA20-A1  
S/N 10183  
REG NO N183DA

**Gibbs Service Center**  
Montgomery Field, San Diego, CA 92123  
FAA Approved Repair Station # VT3R931L

Date 12/28/05  
W.O # 18988  
Tach 2110.3  
Hobbs  
AirFrame

T.E.T. — SMOH —

The aircraft and / or component identified above was repaired / replaced and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Details of the repair / replacement are on file at this agency under Work Order number 18988.  
Signature: *Jeff Runyon*  
Date 12/28/05  
S/N 12180116. Packed wheel bearings. Replaced all installed new tube and tire on right main landing gear wheel. Replaced brake pads, both sides. Taxi check OK.

A/C Model Diamond DA20-A1  
S/N 10183  
REG NO N183DA

**Gibbs Service Center**  
Montgomery Field, San Diego, CA 92123  
FAA Approved Repair Station # VT3R931L

Date 08/04/06  
W.O # 19161  
Tach 49.3  
Hobbs  
AirFrame 2136

T.E.T. — SMOH —

The aircraft and / or component identified above was repaired / replaced and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Details of the repair / replacement are on file at this agency under Work Order number 19161.  
Signature: *Jeff Runyon*  
Date 08/04/06  
Installed all new flexible rubber brake lines. Installed new strobe power supply Model HDS-1428, P/N 01-0770169-03 S/N 1438-04933. Installed new number 1 and 2 lower spark plug ignition coil. Removed horizontal stabilizer and complied with Service Bulletin DA20-05-03 BY shimming bearing and performing 1000 hour inspection to horizontal stabilizer and reinstalling as per DA-20 Maintenance Manual. Changed engine coolant. Coolant next due 2 years or 1000 Hrs. Changed engine oil and filter. Filled with Valvoline 4 stroke motorcycle oil. SAE-20W50. Serviced engine air filter with K and N filter kit. Installed new placards on fuel gauge, headst, oil cap, coolant dispatcher vessel, coolant recovery bottle, belly drain, nose and main gear, tail tie down. Installed new ELT battery. ELT battery due for replacement August 2008. FAR91-207(d) Complied with inspection as per paragraphs 1 through 4. Check okay. FAR91-207(d) next due in 12 calendar months. Repaired heat resistant paint lined from behind instrument panel to under pilots seat. Maintenance Manual. Installed new instrument static system lined from behind instrument panel to under pilots seat. Static system checked as per FAR91-411(B3) and found to have no leaks. Magnetic compass adjusted and installed new calibration card. Installed new O-rings in pilots master cylinders and in parking brake valve. Bled and serviced brake system. Adjusted flap preload. Installed new canopy latch placards. Installed rudder pedal adjuster cables properly. Cleaned ports on pitot static mast. Complied with Diamond Service Bulletin DA20-27-06A Rev. 0 by installing new hinge pins, inspection hinges, securing pins and inspecting control surfaces. Propeller overhauled by American Propeller Service. See work order 6146. Lubricated aircraft as per Diamond lubrication schedule. Adjusted nose gear fork tension. Complied with AD93-05-06 amendment 39-8511 by inspection and lubricating ignition switch as per ACS Service Bulletin SB92-01-AD93-05-06 Next due at 2000 hours time in service. Repaired support lip on forward inside edge of lower cowl. AD's checked through 2006-15.

INSPECTION ENTRIES. DRAW A DIAGONAL LINE.

A/C Model Diamond DA-20  
S/N 10183  
REG NO N183DA

The aircraft and / or component identified above was repaired / replaced and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Details of the repair / replacement are on file at this agency under Work Order number 100107.

Date 10/01/07  
Annual inspection complete  
compass, N/SIN. Swung gear  
pected and lubed nose gear  
Next inspection due @ 10-08  
and lubed aircraft.

1. Approving National Aviation Authority/Country	2. FAALIMITED STATES
3. Organization Name and Address	nt Overhaul Service go, Inc. Hall Avenue California 92020
4. Item	5. Description Compass
6. Remarks	7. Description 1417L Class 1-2-3-4
8. Authorized Signature	9. Date (month)
10. Name (Type of Element)	11. Date (month)

WORK TO BE PERFORMED  
 OVERHAUL  
 REPAIR  
 CALIBRATE  
 FUNCTIONAL TEST

Signature: *Jeff Runyon* Date: *Aug 30, 2007*

The Altimeter, Automatic Pressure Altitude Reporting, and Static System Tests and Inspections required by FAR 91.411(a)(1) have been performed and found to comply with FAR Part 43, Appendix E. Altimeter(s) tested to 20,000 feet.  
Pilot Altin S/N *6AR33* Copilot Altin S/N  
Aircraft Make *Diamond* Model *DA20* Reg. *N183DA*  
Date *2/8/02* W.O No *29452* Sig *Ben Gend* CRS VT3R931L  
Gibbs Service Center Inc. 8906 Aero Drive San Diego CA 92123

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 No 1 S/N *104520*  
Transponder No 2 S/N  
Aircraft Make *Diamond* Model *DA20* Reg. *N183DA*  
Date *2/8/02* W.O No *29452* Sig *Ben Gend* CRS VT3R931L  
Gibbs Service Center Inc. 8906 Aero Drive San Diego CA 92123

A/C Model Diamond DA-20-A1  
S/N 10183  
REG NO N183DA

**Gibbs Service Center**  
Montgomery Field, San Diego, CA 92123  
FAA Approved Repair Station # VT3R931L

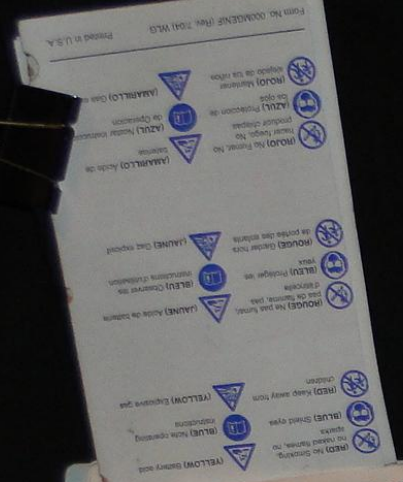
Date 03/19/08  
W.O # 13367  
Tach  
Hobbs 2264.8  
AirFrame

T.E.T. — SMOH —

The aircraft and / or component identified above was repaired / replaced and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Details of the repair / replacement are on file at this agency under Work Order number 13367.  
Signature: *Jeff Runyon*  
Date 03/19/08  
Installed new tire on Nose Landing Gear wheel. Balanced wheel assembly, packed wheel bearings.

18 Aug 2008 Tach 173.7 / Hrs 2273.7 / TSOH 257.4  
Installed new ELT battery and test ELT 14W "PBC 502"  
Inspected and maintained Manual "Out 2000 Key 3" BLT  
battery due for replacement Aug 2010. *Jeff Runyon* 3316223





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					

ACFT Model: **Diamond DA20-A1**      **GIBBS SERVICE CENTER**      Date: **14-Nov-08**  
 Serial No: **10183**      Montgomery Field, San Diego, CA 92123      W.O. #: **13587**  
 Reg No: **N183DA**      FAA Approved Repair Station #VT3R931L      Tach: **175.5**  
 Airframe: **2046.2**      Cycles

Annual inspection completed I/A/W DA20-A1 AMM document. Replaced wing gap tape  
 Packed all wheel bearings. Set rudder cable tension, safetied turnbuckles, Re-charged battery  
 C/W FAR 91-207(d) ELT check. Next due 11-09. Installed new NLG strut assy P/N 20-3220-02-00  
 C/W Diamond MSB DA20-32-04 Rev 1, replacement of NLG elastometers. Installed new NLG fork assy  
 P/N 20-3220-08-00, C/W MSB DA20-32-02, Rev 0, fork inspection and replacement per part 2  
 Replaced both brake discs. Replaced one wheel bearing in RH wheel. Runup and taxi check OK  
 All Ads checked through 11-14-08  
 The aircraft and/or component identified above repaired/replaced and inspected in accordance with current  
 Federal Aviation Regulations and was found airworthy for return to service. Pertinent details of the  
 Repair/Replacement are on file at this agency under Order No. **13587**  
 Date: **11/14/2008**      Signed: *Jeff Runyon*      INSP **B**

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 No 1 S/N **104570**  
 Transponder No 2 S/N  
 Aircraft Make **Diamond Model DA20-A1** Reg **N183DA**  
 Date **1-7-10** MO No **30433** Sig **Don Brade** CTS VT3R931L  
 Gibbs Service Center Inc. 8906 Aero Drive San Diego CA 92123

ACFT Model: **Diamond DA-20-A1**      **GIBBS SERVICE CENTER**      Date: **1-8-2010**  
 Serial No: **10183**      Montgomery Field, San Diego, CA 92123      W.O. No.: **13972**  
 Reg No: **N183DA**      FAA Approved Repair Station VT3R931L  
 Tach Time: **199.1**      Hobbs: **2304.4**      Airframe: **2069.8**

Annual inspection completed per DA-20 AMM. Installed new tube and tire on L/MLG wheel, S/N 92810126. Replaced all brake pads. Replaced brake fluid, bled brakes. Installed new P/N YSO-N18L-A-CX ACFT battery C/W FAR 91-207 (d), ELT inspection. AD notes checked and are current 1-8-2010.  
 The aircraft and/or component identified above repaired/replaced and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details of the repair/replacement are on file at this agency under Order No. **13972**  
 Date: **1-8-2010**      Signed: *Jeff Runyon*      INSP **B**

CARRIED FORWARD

ENGINEERING RECORD

INSPECTION, REPAIRS & REPLACEMENT				SIGNATURE	LICENCE NUMBER
ENTRIES: DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.					
ACFT Model:	Diamond DA20-A1	GIBBS SERVICE CENTER	Date:	2-11-2011	
Serial No:	10183	Montgomery Field, San Diego, CA 92123	W.O. No.:	14357	
Reg No.:	N183DA	FAA Approved Repair Station VT3R931L			
Tach Time:	209.8	Hobbs: 2317.4	Airframe:	2080.5	

Annual inspection completed per the DA20-A1 AMM. Replaced ELT battery. Next replacement due 11-2012. C/W FAR 91-207 (d), ELT inspection. Next due 2-2012. Installed new landing light cover. Replaced 4ea exhaust muffler springs. Resealed co-pilots brake master cylinder. Serviced brake reservoirs, bled brake. Replaced both canopy unlocked warning system switches  
 C/W AD2010-20-23, engine case inspection, per Rotax SB-912-029 R3. No oil leaks or cracks noted. Next due at 2-2012, or 309.8. AD notes checked and are current 2-11-2011.

The aircraft and/or component identified above repaired/replaced and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details of the repair/replacement are on file at this agency under Order No. **14357**  
 Date: **2-11-2011**      Signed: *Jeff Runyon*      INSP **B**

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 No 1 S/N **104570**  
 Transponder No 2 S/N  
 Aircraft Make **Diamond Model DA20-A1** Reg **N183DA**  
 Date **2-26-12** MO No **31376** Sig **Don Brade** CTS VT3R931L  
 Gibbs Service Center Inc. 8906 Aero Drive San Diego CA 92123

ACFT Model: **Diamond DA20-A1**      **GIBBS SERVICE CENTER**      Date: **7-13-2012**  
 Serial No: **10183**      Montgomery Field, San Diego CA 92123      W.O. No.: **14890**  
 Reg No.: **N183DA**      FAA Approved Repair Station VT3R931L  
 Tach Time: **225.5**      Hobbs: **2335.1**      Airframe: **2096.2**

Annual inspection completed per the DA20-A1 AMM. C/W FAR 91-207(d), ELT inspection. Next due 7-2013. ELT battery replacement due 11-2012. Replaced muffler springs as required. Cleaned elevator trim, aileron and flap rods, painted as required. Replaced R flap and L aileron control horns. Replaced L brake line, serviced brake reservoir. Bled brake. Replaced both attach B bolts, per Repair R20C-57-005. Replaced wing gap tape. C/W AD2010-23-17, Rotax engine case inspection- no oil leaks or cracks noted. C/W AD2010-20-23, Rotax engine case inspection- no oil leaks or cracks noted. AD notes checked and are current 7-13-2012.

The aircraft and/or component identified above repaired/replaced and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details of the repair/replacement are on file at this agency under Order No. **14890**  
 Date: **7-13-2012**      Signed: *Jeff Runyon*      INSP **B**



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					
Aircraft Tach Time: 243.6					New revised Certificate of Airworthiness issued showing new "N" 109RE issued and registration showing new "N" received and placed in aircraft.
Hobby Time: 2356.5					
A/C T.T.: 2117.6					
Date: 7/4/2014					I certify this aircraft meets requirements of 14 CFR 91.409(a) and aircraft is returned to service in compliance with work performed. <i>[Signature]</i> APJA 360719
Aircraft Tach: 293.6					Compliant with annual inspection per DA20A1 Amm. Clw 91.207(d) exp next due 10/15. All AD's are current through 10/14. Replaced under wing wing cover (2nd of LH wing). Bud brakes. Replaced wing spar root and tape. I certify this aircraft was inspected in accordance with inspection requirements and was determined to be in airworthy condition and returned to service with respect to work performed. This inspection meets requirements of 14 CFR 91.409(a)(3). <i>[Signature]</i> 2/11/2017
Hobby Time: 2356.5					
A/C T.T.: 2117.6					
Date: 10/16/2015					
Aircraft Tach: 243.6					Compliant with annual inspection per DA20A1 Amm. and technical Publications. Removed faulty LH stroke case and installed new flash tube Ass/PIN A610, Bulb PIN W1280-14, Castet PIN W1283, Replaced PIN W1284-R, Clear cover PIN A612, Halogen lamp PIN A508-H, and lamp Gussie PIN A615. ops checked good. R/R EIT battery PIN L4190612 exp date of 6/2017 (G3-SS) S/N E0154015. Clw Filter (Poleble) exp per NPA 10 washed 24.4 oz. Installed new Eng cooling feather (Gambac) PIN 4035-7. Installed new Thrust PIN 20-1120-00-02 Max Air pressure, 201120-00-03, Max Air pressure, PIN 20-1120-00-10 stall warning placd, PIN 20-1120-00-16, Placed propeller spinner. R/R Cowling bolt retainer seal PIN 625-808-1P. R/R tail skid PIN 515 20-5360-10-03 and low hard wares. R/R both R/L seal boots PIN 22-3210-10-04. Installed new Cowling ops Placed PIN 20-1130-00-10. Installed new oil cooler fan. Replaced PIN 20-7910-03-02.
Hobby Time: 2356.5					
A/C T.T.: 2117.6					
Date: 2/1/2017					
					CARRIED FORWARD

ENGINEERING RECORD

ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENSE NUMBER
<p>Conf: Removed faulty oil pressure gauge/sending unit and installed new oil pressure/gauge sending unit kit PIN 22-7930-10-00 R/R Both cabin to engine choke cables PIN 20-7400-03-05 S/N-Batch no RC 1500169(2) Replaced both LH/RH Brake Pads PIN 066-106. Replaced Rooted wing to fuselage tape. Installed 2nd LH vent screws and 3rd RH vent screws. Bud Brakes. Researched AD's, AD 2016-12-02 Amendment 39-18551 N/A, Eng installed is F3. AD 2016-23-06 Amendment 39-18713 N/A, Eng installed is F3. All AD's are current to 2/1/2017. Repetitive AD 2010-20-23 Amendment 39-16458. Mandatorily EB 912-029 Rev 3 Clw, no abnormalities noted, next due @ A/C Tach Hm 346.6 or 2/18, whichever occurs first. I certify this aircraft has been inspected/repaired in accordance with DA20A1 Technical Publications and is determined to be in airworthy condition and returned to service in regards to work performed. This inspection meets requirements of 14 CFR 91.409(a)(3). <i>[Signature]</i> 2/1/2017 APJA 360719</p>		

13551 Wing Way Avenue  
Suite 201  
Burleson, Texas 76028  
FAA CRS T69587X



Diamond DA20A1  
S/N 10183  
N109RE  
AC Total Time 2117.6

The aircraft transponder system was inspected and tested in accordance with FAR 91.413 and was found to comply with FAR 43 Appendix F.

Transponder: Bendix King KT-76A P/N 066-1062-10 S/N 104570  
Encoder: Transcal SSD120-XXA S/N 42011

For details of this inspection refer to TexasGYRO Work Order 21442 Task 1.

Signed: *[Signature]*

Date: 01 February 2017

Cust Code: SEFI  
Camber Fit Aviation  
-Mush Dr  
-VAG

ORDER

AIR TIME AND

DATE	TIME	MIN.	SEC.	REMARKS
	248.1			Balanced Prop using Dyna-vibe prop balancer. Final weights 15.8g @ 320° / 2.8g @ 240°. All work was accomplished IAW DA20A1 AMM. Most the requirements of MSER 91409(1)(3). Removed Expired ECT BATTERY GS-52 S/N G1145017 expires Sept. 2019. All work 7/2/2017 Felipe G. ESPARZA
	248.7			Removed main battery P/N Y50 N18L-A-CX Yuasa battery manual + DA20A1 Amm 24-31-10/19/2017 Felipe G. ESPARZA
	248.7			
	2122.7			

10/1/2017  
SIC

ENGINEERING RECORD

DATE	TIME	MIN.	SEC.	REMARKS	SIGNATURE	LICENCE NUMBER
				to A final reading of RPM 2396 / 605 ips @ 0.66 RPM. Dyna-vibe manual and is returned to service. These repairs were done AP 3607219 3/13/2017 EOL 54019 and installed New ECT BATTERY P/N GS52. Accomplished IAW EBC GS52 installation manual + ops check good. AP 3607219		
				S/N RC27F serviced with fresh Gill Electrolyte 11-00305 IAW 00, charged to 13.86 v, ops checked good. AP 3607219		



Engine: Rotax 912 F3 S/N 4412716 TSO: 334.7 Tach: 251.0 Hobbs: 2366.6 Aircraft Reg. No. N109RE S/N 10183

- Complied with a 50/100/200-hour annual inspection IAW DA20A1 AMM Chapter 05-20-00
- The following maintenance operations were completed with:
- 1) Removed Rudder and Elevator assembly to inspect area.
  - 2) Removed elevator trim and found Teflon spring bushings worn beyond limits. Re-installed elevator trim assembly using new center Teflon bushing P/N 20-2731-00-01, two (2) new end Teflon bushings P/N 20-2731-00-01, Fork end bushing P/N 20-2730-00-05, Roll Pins P/N MS2171542 IAW AMM 27-40-00 p3-5.
  - 3) Re-installed Rudder using new hardware: P/N AN4-22A (2 ea.), Washers (2 ea.) 654-006, Washers P/N NAS1149P0463P (2 ea.) and Nuts (4 ea.) P/N MS21044M4 IAW DA20A1 AMM 27-30-00.
  - 4) Re-installed Elevator using new bolts (4 ea.) AN4-12A, new washers (8 ea.) P/N AN960C416, new Nuts (4 ea.) P/N MS21044M4, New Bolt P/N AN4-20A, new washers (1 ea.) P/N AN960C416L, (1 ea.) P/N AN960C416, new Nut P/N MS21044M4 IAW DA20A1 AMM 27-30-00.
  - 5) Removed, inspected and reinstalled flaps and ailerons IAW DA20A1 AMM 27-30-00.
  - 6) Removed and installed Canopy using new hardware: bolts (2 ea.) P/N AN4C21A, Washers (4 ea.) P/N AN960C416, Nuts (2 ea.) P/N MS21044M4, installed emergency release cable P/N SP96379 and Nicopress P/N CR-1C installed new Canopy bumper P/N 315-433. Replaced L/H Canopy slide inside grip with new P/N 20-5650-10-16 IAW DA20A1 AMM 52-10-00.
  - 7) Installed new mat bolt seat seals (8 ea.) P/N 825-064.
  - 8) Removed old fire proof paint from bottom of fuselage (Exhaust Area), inside of both engine cowlings and brushed on new special fire proof paint P/N 7330BP0802-KCHO as required DA20A1 AMM 53-10-00, 71-03-00.
  - 9) Installed new brake pads on both Main brake assemblies P/N 066-106, bleed brakes and ops checked good IAW DA20A1 AMM 52-40-00.
  - 10) Repacked main wheels and nose wheel bearings with Mobil 28.
  - 11) Rebalanced prop using DSS MacroVibe equipment to 0.013 ips.
  - 12) Installed all required external and internal placards.
  - 13) ELT battery P/N G352, S/N G1145017 due 09/2019.
  - 14) Removed airframe battery P/N Y50-N18L-A-CX, S/N RC27F and installed new battery same P/N, S/N RC3080-Y50N18L-CX, with new GILL Electrolyte 11-00305 IAW YUASA battery installation and DA20A1 AMM. Per 91.207

I certify that this Aircraft has been inspected for a 50/100/200-hour annual inspection in accordance with the scope and detail of the Diamond Manufacturer's Maintenance and Inspections Procedures Manual, Appendix D to FAA Part 43, and found to be in airworthy condition in regards to work performed.

Felipe G. ESPARZA AWP 1A 3607219 Date 06/06/2019 *Felipe G. ESPARZA* T.T. 2122.7

CARRIED FORWARD

13551 Wing Way Avenue Suite 201 Burleson, Texas 76028 FAA CRS T69R587X		Diamond Katana DA20A-1 S/N 10183 N109RE AC Total Time 2127.7
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The aircraft's Transponder System was inspected and tested in accordance with FAR 91.413 and was found to comply with FAR 43 Appendix F.

Transponder: Bendix King KT-76A P/N 066-1062-10 S/N 104570  
Encoder: Transcal SSD120-XXX S/N 42011

For details relating to this inspection refer to TexasGYRO Work Order No. 21882 Task 1

Signed *F. N. H. t* Date: 07 June 2019



DA20A1 N109RE S/N 10183 Hobbs 2371.0

- 1) Removed BLT Battery P/N GS 52, S/N G1145017 and installed New BLT Battery P/N GS 52 S/N G0279119 IAW Emergency Beacon Corp. GS-52 Alkaline Battery Pack Replacement Instructions Dated 11/20/2002 Revision 2.

*Felipe G. ESPARZA* AWP 1A 3607219 Date 08/10/2019

AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE M.F.G.		ENGINEERING RECORD NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD	13551 Wing Way Avenue Suite 201 Burleson, Texas 76028 FAA CRS T69R587X		Diamond Aircraft DA20-A1 S/N 10183 N109RE AC Hobbs Time 2370.4		
	<p>Installed Garmin GDL-82 ADS-B UAT Transmitter P/N 010-01560-30 S/N 4PFD05036 and Garmin GA-35 Antenna P/N D13-00235-00 S/N 172437 in accordance with Garmin TSO Installation Manual No. 190-01810-00 Revision 5 and GA Series Installation Manual No. 190-00848-00 Revision F. This modification complies the aircraft to the equipment requirements of 14 CFR Part 91.227. The aircraft transponder system was tested in accordance with FAR 91.413 and was found to comply with FAR 43 Appendix E Paragraph (c). Reference FAA Form 337, FAA Approved Flight Manual Supplement, and Instructions for Continued Airworthiness this date. Installed BlueSystems 1045 USB Charging Port using accepted practices contained in Advisory Circular 43-13-1B Chapter 11.</p> <p>For details on this modification refer to TexasGYRO Work Order No. 21924 Tasks 1 &amp; 2.</p>				
	Signed: <i>[Signature]</i> Date: 06 September 2019				

TACH SCALE CORRECTION CARD  
Instr. P/N: D1-112-5240  
Serial No: 1758

500 RPM	400
1000 RPM	700
1500 RPM	1000
2000 RPM	1300
2500 RPM	1600
3000 RPM	1900
3500 RPM	2200

Inspector: *[Signature]* Date: 2/21/19

REG: N109RE DATE: 10/24/2019 ACTT: 2156.4 TACH: 0.0  
Acid and replaced tach P/N D1-112-5240B S/N 1703 with new tach S/N 1758. Ops check sat.  
an Dougherty  
AP3699307

11/29/2019 N109RE → N143AA Tach 321 ACTT 2185.5  
Removed existing registration from ship sides and applied new registration N143AA to ship sides.  
Removed: Replaced ignition with pin A-510-2 with new AD 93-05-06 nut due 41855 ACTT  
*[Signature]* AR3699307

5/07/2020 N143AA Tach 68.5 ACTT 2224.7  
Removed propeller for repair  
*[Signature]* AR3699307  
CARRIED FORWARD

ENGINEERING RECORD

INSPECTION, REPAIRS & REPLACEMENT ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER
REG: N143AA DATE: 10/5/2020 TACH: 68.3 TOTAL: 2224.7 Airframe annual inspection completed this time and date IAW FAR part 43 APPX D. Checked all applicable AD's through this date. AD93-05-06 ACS ignition switch due 4188.5 ACTT. Complied with FAR 91.207(b) ELT inspection battery due 9/2021. R&R right side navigation light pin A-7512-12 ops check sat. Serviced air filter. Lubed all points. Installed overhauled propeller HD-1852F-C170F-Q s/n H663. Ground run leak check sat. I certify this airframe has been inspected IAW an annual inspection and is an airworthy condition at this time.	<i>[Signature]</i>	
REG: N143AA DATE: 4/14/2021 TACH: 167.5 TOTAL: 2323.9 Airframe 100hr inspection completed this time and date IAW FAR part 43 APPX D. Checked all applicable AD's through this date. AD93-05-06 ACS ignition switch due 4188.5 ACTT. Complied with FAR 91.207(d) ELT inspection battery due 9/2021. R&R left side all position light bulb. R&R (S) exhaust springs. Serviced battery. Serviced air filter. Lubed all points. I certify this airframe has been inspected IAW an 100hr inspection and is in an airworthy condition at this time.	<i>[Signature]</i>	
REG: N143AA DATE: 6/30/2021 Tach 240.8 Total 2397.2 RIP Transponder KE-764 w/ serviceable S/N 49776 ops check sat <i>[Signature]</i> AR3699307		

Tach 240.8 ACTT 2397.2  
ALTIMETER, STATIC AND TRANSPONDER CERTIFICATE  
NR 143AA

CERTIFIED ALTIMETER PER FAR 43, APP. E (b) TO 20000 FT. TO COMPLY WITH FAR 91.411.  
CERTIFIED STATIC SYSTEM PER FAR 43, APP. E (a) TO COMPLY WITH FAR 91.411.  
CERTIFIED AUTOMATIC PRESSURE ALTITUDE REPORTING SYSTEM PER FAR 43, APP. E (c) TO COMPLY WITH FAR 91.411.  
CERTIFIED TRANSPONDER PER FAR 43, APP. F TO COMPLY WITH FAR 91.413.

This aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details are on file at this agency under the following work number:  
Date: 6/30/2021 Tech: *[Signature]* W.O. *[Signature]*  
Advanced Aircraft Maintenance, Inc. • CRS 23100

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.	

REG: N143AA DATE: 7/21/2021 TACH: 263.1 TOTAL: 2419.5

Airframe 100hr inspection completed this time and date IAW FAR part 43 APPX D. Checked all applicable AD's through this date. AD93-05-06 ACS ignition switch due 4188.5 ACTT. Complied with FAR 91.207(d) ELT inspection battery due 6/2023. R&R 2 exhaust springs. R&R nose tire 5.00x4, adjusted nose wheel tension. Serviced air filter. Serviced air filter. lubed all points. I certify this airframe has been inspected IAW an 100hr inspection and is in an airworthy condition at this time.

Ryan Dougherty  
AP3699307

REG: N143AA DATE: 11/4/2021 TACH: 362.6 TOTAL: 2519.0

Airframe annual inspection completed this time and date IAW FAR part 43 APPX D. Checked all applicable AD's through this date. AD93-05-06 ACS ignition switch due 4188.5 ACTT. Complied with FAR 91.207(d) ELT inspection battery due 6/2023. Serviced air filter, lubed all points. I certify this airframe has been inspected IAW an annual inspection and is approved for return to service.

Stephen Jackowski  
AP3008621A

N143AA 12/11/2021 Tach 392.7 ACTT 2549.1  
R&R oil temp gage with new ops check seat.  
AP3699307

REG: N143AA DATE: 2/15/2022 TACH: 462.1 TOTAL: 2618.5

Airframe 100hr inspection completed this time and date IAW FAR part 43 APPX D. Checked all applicable AD's through this date. AD93-05-06 ACS ignition switch due 4188.5 ACTT. Complied with FAR 91.207(d) ELT inspection battery due 6/2023. Rebuilt copilot's RH brake master cylinder, bled brakes. Serviced air filter, lubed all points. I certify this airframe has been inspected IAW a 100hr inspection and is in an airworthy condition at this time.

Ryan Dougherty  
AP3699307

N143AA 2/22/2022 Tach 472.6 Total 2629.0  
R&R RH brake caliper O-ring with new master  
new 66-105 pads bled brakes ops check seat  
AP3699307

CARRIED FORWARD

ENGINEERING RECORD

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

REG: N143AA DATE: 4/9/2022 TACH: 561.8 TOTAL: 2718.2

Airframe 100hr inspection completed this time and date IAW FAR part 43 APPX D. Checked all applicable AD's through this date. AD93-05-06 ACS ignition switch due 4188.5 ACTT. Complied with FAR 91.207(d) ELT inspection battery due 6/2023. Serviced air filter, lubed all points. I certify this airframe has been inspected IAW a 100hr inspection and is in an airworthy condition at this time.

Ryan Dougherty  
AP3699307

REG: N143AA DATE: 6/13/2022 TACH: 661.8 TOTAL: 2818.2

Airframe 100hr inspection completed this time and date IAW FAR part 43 APPX D. Checked all applicable AD's through this date. AD93-05-06 ACS ignition switch due 4188.5 ACTT. Complied with FAR 91.207(d) ELT inspection battery due 6/2023. R&R nose tire 5.00x4 with new. Rotated RH main tire on rim. Serviced air filter, lubed all points. I certify this airframe has been inspected IAW a 100hr inspection and is in an airworthy condition at this time.

Ryan Dougherty  
AP3699307