

AIRCRAFT TECHNICAL LOGS

Section 1. AIRFRAME

AIRCRAFT

- | | | |
|----|---------------------------------------|--------------------|
| 1. | Nationality and Registration | <u>N987TS</u> |
| 2. | Manufacturer's Designation | <u>DA 42</u> |
| 3. | Manufacturer's Serial Number | <u>42.AC088</u> |
| 4. | Type Approval or Specification Number | <u>A-247/AS7CE</u> |
| 5. | Date of Manufacture | <u>2007</u> |
| 6. | Aircraft Inspection Cycle | <u></u> |

AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.	
	HRS.	MIN.	HRS.	MIN.
BROUGHT FORWARD	0	0	0	0

ENGINEERING RECORD

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

AIRCRAFT NEW



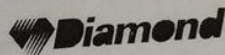
DIAMOND AIRCRAFT INDUSTRIES INC.
D.O.T. APPROVED MANUFACTURER #161-93

SERIAL NUMBER

42.AC088

REGISTRATION MARK

N987TS



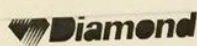
I certify that the ATC Transponder & Altitude Reporting System(s) have been tested in Accordance with Standard 571, Appendix F F.A.R. 91:217: & F.A.R. 91:219

DATE

21 September, 2007

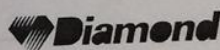
INSPECTOR

[Signature]



19 SEPTEMBER 2007 S/N 42.AC088
COMPASS DEVIATION, ALL ELECTRICS ON

FOR	N	30	60	E	120	150
STEER	001	031	061	090	119	148
FOR	S	210	240	W	300	330
STEER	179	208	237	269	300	330



INDEPENDENT CHECK OF FLIGHT AND POWERPLANT CONTROLS

DATE

21 September, 2007

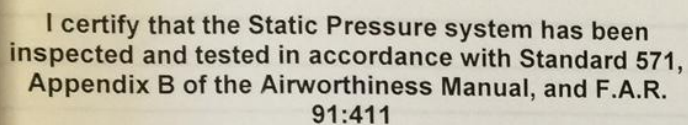
INSPECTOR

[Signature]

SEPT 21 2007	0	0	0	0	AIRCRAFT SERVICEABLE FOR FLIGHT
SEPT 21 2007			0.	6	
SEPT 25 2007			0.	6	AIRCRAFT SERVICEABLE FOR FLIGHT
SEPT 25 2007			1.	9	
SEPT 27 2007			1.	9	AIRCRAFT SERVICEABLE FOR FLIGHT
SEPT 27 2007			3.	7	
OCT 01 2007			3.	7	AIRCRAFT SERVICEABLE FOR FLIGHT
OCT 01 2007			4.	9	
OCT 03 2007			4.	9	AIRCRAFT SERVICEABLE FOR FLIGHT
OCT 03 2007			5.	7	
OCT 03 2007			6.	6	
OCT 04 2007			6.	6	AIRCRAFT SERVICEABLE FOR FLIGHT
OCT 04 2007			6.	8	
OCT 04 2007			7.	8	
OCT 15 2007			7.	8	ALL DISCREPANCIES RECTIFIED

1

SIGNATURE

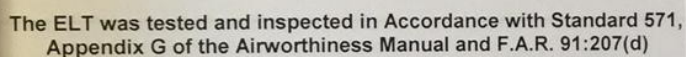
L I C E N C E
N U M B E R

DATE _____

INSPECTOR

21 September, 2007

DA
Q 42



ANNUAL INSPECTION DUE: SEPTEMBER 2008

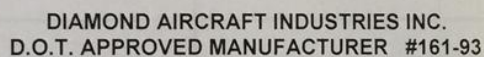
BATTERY DUE: AUGUST 2009

DATE _____

INSPECTOR

21 September, 2007

DA
Q 42



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

DATE _____

INSPECTOR

21 September, 2007

DA
Q 42

DA
Q 42

Q 42

DA
0.42

DA

Q 42

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Q 42

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2

Q 42

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0.42

DA

Q 42

Q 4.

AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD			7	8	



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

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

DATE
OCT 15 2007

INSPECTOR

[Signature] **DA Q 42**

Ad
USED

Not
USED

CARRIED FORWARD

ENGINEERING RECORD

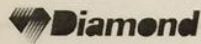
2

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

SIGNATURE

LICENCE
NUMBER

DA
Q 42



U.S. Standard Airworthiness Certificate, issued:

(Date) OCT 17 2007, has been installed in the
aircraft on behalf of NE-MIDO-46 on:

(Date) OCT 17 2007

(Print) R. Salton

(Signature) [Signature]



N987TS
Total Time:
115.2

SN: 42.AC088
Tach Time:
115.2

Diamond DA42
Date:
3/28/2008

COMPLIED WITH THE FOLLOWING INSPECTIONS:

1. 100 Hour Inspection IAW Diamond DA42 AMM, CH 05-20-00.
2. ELT Inspection IAW FAR 91.207 (d). Battery expires 8/2009.

COMPLIED WITH THE FOLLOWING LUBRICATION SCHEDULES:

1. 100 Hour Lubrication Schedule IAW Diamond DA42 AMM, CH 12-20-00.

PERFORMED THE FOLLOWING SCHEDULED MAINTENANCE ITEMS:

1. Verified Coolant mixture ratio IAW DA42 AFM, CH. 2.
2. Bled Fuel Distribution System IAW DA42 AMM, CH. 28-20-00.

PERFORMED THE FOLLOWING MAINTENANCE:

1. Adjusted cabin and passenger door warning system micro switches IAW the DA42 AMM, CH. 52-10-00.
2. Trimmed LH lower engine cowling exhaust opening IAW Diamond WI-MSB-42-021 to widen clearances.
3. Complied with FAA Emergency AD 2008-06-52, dated March 12, 2008. Replaced the high pressure fuel lines on the left and right engines with new lines P/N: 05-7313-K001301, supplied by TAE. Installed high pressure fuel line support brackets on both engine high pressure fuel lines. All work accomplished in accordance with Thielert Service Bulletin TM TAE 125-1005 P1, Rev. 2 as terminating action.
4. AD 07-23-14 (ECU Backup Batteries) verified PCW at factory, dated 10/15/2007.
5. AD's checked through Tdata release # 2008-06.

I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION
AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.

AUTHORIZED SIGNATURE: Michael S. Herbert

[Signature]

AP3153561

LAST

IFC

AIR TIME AND

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

BROUGHT FORWARD

N987TS
Total Time:
181.6

SN: 42.AC088
Tach Time:
181.6

Diamond DA42
Date:
9/26/2008

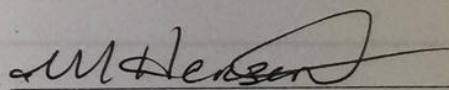
PERFORMED THE FOLLOWING MAINTENANCE:

1. Cleaned debris from Lamella Package and adjusted copilot's seat back friction lock. DA42 AMM-TR-OAM-42-067, CH 25-10-00, Pg 201g.
2. Installed replacement Attitude Indicator. OFF - P/N: 4300-206, S/N: F07-11000; ON - P/N: 4300-206, S/N: 11361. Work accomplished IAW the DA42 AMM, CH 34.

ABOVE DESCRIBED MAINTENANCE IS CERTIFIED AIRWORTHY AND A DETAILED RECORD IS ON FILE UNDER S.O. # LS08-1173.

I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH THE INSTRUCTIONS PROCEDURES FOR AN INSPECTION PROGRAM REQUIRED BY FAR 91.409 (F) (3), AND IS APPROVED FOR RETURN TO SERVICE.

AUTHORIZED SIGNATURE: Michael S. Herbert



CRS # GSPR



2881 E. Spring Street, Long Beach, CA 90806
Office: 562-981-6064 Fax: 562-981-

N987TS
Total Time:
187.9

SN: 42.AC088
Tach Time:
187.9

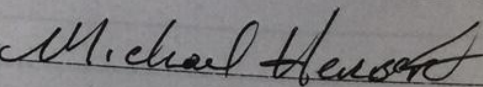
Diamond DA42
Date:
10/17/2008

PERFORMED THE FOLLOWING MAINTENANCE:

1. Replaced #2 GIA63 P/N: 011-00781-01, S/N: 48106664, with overhauled GIA63 P/N: 011-00781-01, S/N: 48104207. Loaded and configured current software version 0370.16. System operational check normal in accordance with Garmin G1000 System Maintenance Manual.

ABOVE DESCRIBED MAINTENANCE IS CERTIFIED AIRWORTHY AND A DETAILED RECORD IS ON FILE UNDER S.O. # LS08-1193.

AUTHORIZED SIGNATURE: Michael S. Herbert



CRS # GSPR467E



2881 E. Spring Street, Long Beach, CA 90806
Office: 562-981-6064 Fax: 562-981-

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

SIGNATURE

LICENS
NUMBER

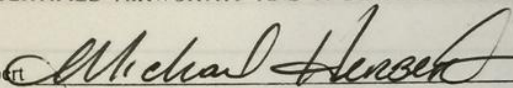
N987TS SN: 42.AC088 Diamond DA42
Total Time: Tach Time: Date:
200.2 200.2 11/26/2008

PERFORMED THE FOLLOWING MAINTENANCE:

1. Complied with AD 08-16-20 (Replacement of Aileron Bellcrank assemblies). Installed Bellcrank Kit # MSB-42-043-KIT in accordance with Diamond MSB 42-043/1 Accomplishment Instructions as terminating action. Adjusted ailerons, system operational check normal.

ABOVE DESCRIBED MAINTENANCE IS CERTIFIED AIRWORTHY AND A DETAILED RECORD IS ON FILE UNDER S.O. # LS08-1219.

AUTHORIZED SIGNATURE: Michael S. Herbert



GSPR467E.



2881 E. Spring Street, Long Beach, CA 90806
Office: 562-981-6064 Fax: 562-981-6071

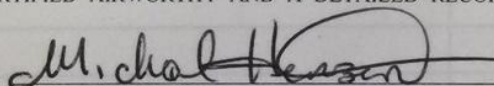
N987TS SN: 42.AC088 Diamond DA42
Total Time: Tach Time: Date:
205.2 205.2 12/22/2008

PERFORMED THE FOLLOWING MAINTENANCE:

1. Complied with Diamond OSB 42-015/4 (Certification for flight into known or forecast icing conditions), IAW W1-05B-42-015 (Rev.3) dated January 16, 2008, Section - OAM 42-053 has already been carried out. Verified EI Panel lower left, P/N:D60-1131-21-03_1, is installed. Verified OAM 42-089 is installed (debris protection). Verified stall warning vane position. Performed operational check of de-ice system. All work performed IAW Diamond OSB 42-015/4 and W1-OSB-42-015.

ABOVE DESCRIBED MAINTENANCE IS CERTIFIED AIRWORTHY AND A DETAILED RECORD IS ON FILE UNDER S.O. # NR08-0115.

AUTHORIZED SIGNATURE: Michael S. Herbert



AP3153561.



2881 E. Spring Street, Long Beach, CA 90806
Office: 562-981-6064 Fax: 562-981-6071

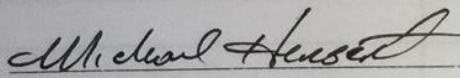
N987TS SN: 42.AC088 Diamond DA42
Total Time: Tach Time: Date:
225.1 225.1 1/8/2009

PERFORMED THE FOLLOWING MAINTENANCE:

1. Adjusted nose landing gear up limit switch IAW the DA42 AMM, CH 32.
2. Replaced LH MLG tire with new PN 156E61-3, SN 80090392. Removed like PN, SN 60897179. Work accomplished IAW the DA42 AMM, CH 32.
3. Replaced LH & RH brake linings with new PN 066-10500 IAW the DA42 AMM, CH 32.

ABOVE DESCRIBED MAINTENANCE IS CERTIFIED AIRWORTHY AND A DETAILED RECORD IS ON FILE UNDER S.O. # LS09-0003.

AUTHORIZED SIGNATURE: Michael S. Herbert



CRS# GSPR467E.



2881 E. Spring Street, Long Beach, CA 90806
Office: 562-981-6064 Fax: 562-981-6071

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



Tail# N987TS	Model: Diamond DA-42	S/N: 42.AC088
Hobbs: N/A	Total Time: 301.2	Landings: N/A

COMPLIED WITH THE FOLLOWING INSPECTION ITEMS

- 1- Annual/100hrs inspection IAW Diamond DA-42 MM chap 5-20-00
- 2- The 24 month altimeter and static system test required by 91.411 have been performed and found to comply with Appendix E and F of Part 43 of this chapter.

THE ALTIMETERS HAVE BEEN TESTED TO		18000 FEET	
#1 AIR DATA COMPUTER	P/N 011-00882-00	S/N	47806511
STBY ALTIMETER	P/N 5934PD-3	S/N	462730

- 3- The 24 month ATC Transponder tests required by FAR 91.413 have been performed and found to comply with Appendix F of Part 43 of this chapter.

#1 TRANSPONDER	P/N 011-00779-10	S/N 89106650
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COMPLIED WITH THE FOLLOWING SERVICE BULLETINS AND AIRWORTHINESS DIRECTIVES

- 1- Airworthiness Directives checked biweekly thru 2009-17.
- 2- Diamond MSB 42-062, replaced the MLG downlock pins.
- 3- Diamond MSB 42-070/1, replaced the NLG tubular pivot assembly.
- 4- Diamond MSB 42-058, replaced the left and right rear engine mount bolts.

Page 1 of 2



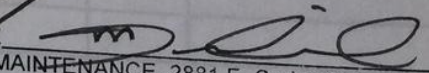
Tail# N987TS	Model: Diamond DA-42	S/N: 42.AC088
Hobbs: N/A	Total Time: 301.2	Landings: N/A

PERFORMED THE FOLLOWING UNSCHEDULED MAINTENANCE ITEMS

- 1- Replaced the NLG strut assembly.
- 2- Repaired the left ice light wiring.

THE ABOVE DESCRIBED MAINTENANCE IS CERTIFIED AIRWORTHY AND A DETAILED RECORD IS ON FILE UNDER S.O. #. LS09-2121

I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH THE INSTRUCTIONS AND PROCEDURES FOR AN INSPECTION PROGRAM REQUIRED BY FAR 91.409 (a), AND IS APPROVED FOR RETURN TO SERVICE.

AUTHORIZED SIGNATURE  DATE: AUG 28 2009
WEST COAST AIRCRAFT MAINTENANCE, 2881 E. Spring Street Long Beach CA 90806 FAA CRS GSPR467E

ENGINEERING RECORD

4

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

SIGNATURE

LICENCE
NUMBER

Jeppesen GPS Database Update

Name RICHARD CASO

Cert No. 3258116 Date 10/22/09



Tail# N987TS	Model: Diamond DA-42	S/N: 42.AC088
Hobbs: N/A	Total Time: 308.2	Landings: N/A

PERFORMED THE FOLLOWING UNSCHEDULED MAINTENANCE ITEMS

- 1- Adjusted the nose landing gear downlock switches. Performed several satisfactory gear retraction/extension.

THE ABOVE DESCRIBED MAINTENANCE IS CERTIFIED AIRWORTHY AND A DETAILED RECORD IS ON FILE UNDER S.O. #. LS09-2191

AUTHORIZED SIGNATURE

DATE: SEP 25 2009

WEST COAST AIRCRAFT MAINTENANCE, 2881 E. Spring Street Long Beach CA 90806 FAA CRS GSPR467E



Tail# N987TS	Model: Diamond DA-42	S/N: 42.AC088
Hobbs: N/A	Total Time: 301.2	Landings: N/A

COMPLIED WITH THE FOLLOWING INSPECTION ITEMS

- 1- Annual/100hrs inspection IAW Diamond DA-42 MM chap. 5-20-00
- 2- The 24 month altimeter and static system test required by 91.411 have been performed and found to comply with Appendix E and F of Part 43 of this chapter.

THE ALTIMETERS HAVE BEEN TESTED TO		18000 FEET	
#1 AIR DATA COMPUTER	P/N	011-00882-00	S/N 47806511
STBY ALTIMETER	P/N	5934PD-3	S/N 462730

- 3- The 24 month ATC Transponder tests required by FAR 91.413 have been performed and found to comply with Appendix F of Part 43 of this chapter.

#1 TRANSPONDER	P/N 011-00779-10	S/N 89106650
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- 4- 12 months ELT test and inspection per FAR 91.207(d).

COMPLIED WITH THE FOLLOWING SERVICE BULLETINS AND AIRWORTHINESS DIRECTIVES

- 1- Airworthiness Directives checked biweekly thru 2009-17.
- 2- Diamond MSB 42-062, replaced the MLG downlock pins.

AIR TIME AND

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



Tail# N987TS	Model: Diamond DA-42	S/N: 42.AC088
Hobbs: N/A	Total Time: 301.2	Landings: N/A

- 3- Diamond MSB 42-070/1, replaced the NLG tubular pivot assembly.
- 4- Diamond MSB 42-058, replaced the left and right rear engine mount bolts.

PERFORMED THE FOLLOWING UNSCHEDULED MAINTENANCE ITEMS

- 1- Replaced the NLG strut assembly.
- 2- Repaired the left ice light wiring.

THE ABOVE DESCRIBED MAINTENANCE IS CERTIFIED AIRWORTHY AND A DETAILED RECORD IS ON FILE UNDER S.O. #. LS09-2121

I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH THE INSTRUCTIONS AND PROCEDURES FOR AN INSPECTION PROGRAM REQUIRED BY FAR 91.409 (a), AND IS APPROVED FOR RETURN TO SERVICE.

AUTHORIZED SIGNATURE DATE: AUG 28 2009
 WEST COAST AIRCRAFT MAINTENANCE, 2881 E. Spring Street Long Beach CA 90806 FAA CRS GSPR467E

Page 2 of 2



Tail# N987TS	Model: Diamond DA-42	S/N: 42.AC088
Hobbs: N/A	Total Time: 394.8	Landings: N/A

PERFORMED THE FOLLOWING UNSCHEDULED MAINTENANCE ITEMS

- 1- Replaced the pilot side "push to talk" switch with a new P/N 1831-1202. Performed a satisfactory operational check. Work performed IAW DA-42 MM Chap. 23-10-00.

THE ABOVE DESCRIBED MAINTENANCE IS CERTIFIED AIRWORTHY AND A DETAILED RECORD IS ON FILE UNDER S.O. #. LS10-2158

AUTHORIZED SIGNATURE DATE: JUL 21 2010
 WEST COAST AIRCRAFT MAINTENANCE, 2881 E. Spring Street Long Beach CA 90806 FAA CRS GSPR467E

ENGINEERING RECORD

5

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

SIGNATURE

LICENCE
NUMBER

Tail# N987TS	Model: Diamond DA-42	S/N: 42.AC088
Hobbs: N/A	Total Time: 400.9	Landings: N/A

COMPLIED WITH THE FOLLOWING INSPECTION ITEMS

- 1- Annual/100hrs inspection using the Diamond DA-42 MM chap. 5-20-00 checklist as a guide.
- 2- 12 months ELT test and inspection per FAR 91.207(d). Batt Exp. AUG 2012.
- 3- Cabin portable fire extinguisher weight and pressure checked.
- 4- Replaced the alternator excitation batteries.
- 5- Replaced the ECU backup batteries.
- 6- Replaced the standby attitude indicator battery.

COMPLIED WITH THE FOLLOWING SERVICE BULLETINS AND AIRWORTHINESS DIRECTIVES

- 1- Airworthiness Directives checked biweekly thru 2010-17.
- 2- Diamond MSB 42-007/7, Fdec Firmware at version TAE-125 m 2.91 and mapping at version 028V291D.
- 3- Diamond MSB 42-008/12 / Garmin SB 1031 Rev. A, Garmin software version 0370.22 installed.
- 4- Diamond MSB 42-063/1, inspected the nose landing gear assy. centering unit, no defects noted.
- 5- Diamond MSB 42-074/3, reinforced the nose landing support structure with MSB 42-074-kit.
- 6- Diamond MSB 42-076, inspected for holes in left and right engine nacelle firewalls, no defects noted.
- 7- Diamond MSB 42-077, inspected the emergency exit lever, no defects noted.
- 8- Diamond MSB 42-088/1, inspected the left and right main landing gear, no defects noted.

PERFORMED THE FOLLOWING ROUTINE MAINTENANCE

Page 1 of 2

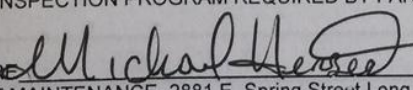


Tail# N987TS	Model: Diamond DA-42	S/N: 42.AC088
Hobbs: N/A	Total Time: 400.9	Landings: N/A

- 1- Removed the Garmin GMA1347 P/N 011-00809-00 S/N 47109309, installed an O/H unit P/N 011-00809-00 S/N 47110245.
- 2- Re-glued headliner in aft passenger area.
- 3- Replaced a rivnut in baggage compartment enclosure.
- 4- Replaced the flap up indicator light lamp.
- 5- Repaired the left main landing gear door hinge area.

THE ABOVE DESCRIBED MAINTENANCE IS CERTIFIED AIRWORTHY AND A DETAILED RECORD IS ON FILE UNDER S.O. #. LS10-2184

I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH THE INSTRUCTIONS AND PROCEDURES FOR AN INSPECTION PROGRAM REQUIRED BY FAR 91.409 (a), AND IS APPROVED FOR RETURN TO SERVICE.

AUTHORIZED SIGNATURE:  DATE: SEP 10 2009
WEST COAST AIRCRAFT MAINTENANCE, 2881 E. Spring Street Long Beach CA 90806 FAA CRS GSPR467E

Page 2 of 2

AIR TIME AND

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

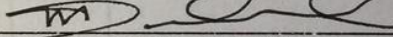


Tail# N987TS	Model: Diamond DA-42	S/N: 42.AC088
Hobbs: N/A	Total Time: 410.2	Landings: N/A

PERFORMED THE FOLLOWING ROUTINE MAINTENANCE

- 1- Replaced the left wing strobe power unit with a new P/N 01-0770062-05 IAW DA-42 MM Chap. 33-40-00.
- 2- Bled the right auxiliary fuel tank transfer lines. Performed a satisfactory operational check IAW DA-42 MM Chap. 28-20-00.

THE ABOVE DESCRIBED MAINTENANCE IS CERTIFIED AIRWORTHY AND A DETAILED RECORD IS ON FILE UNDER S.O. #. LS10-2228

AUTHORIZED SIGNATURE  DATE: OCT 12 2009
WEST COAST AIRCRAFT MAINTENANCE, 2881 E. Spring Street Long Beach CA 90806 FAA CRS GSPR467E



Tail# N987TS	Model: DA-42	S/N: 42.AC088
Hobbs: 479.3	Total Time: 479.3	Landings: N/A

COMPLIED WITH THE FOLLOWING INSPECTION ITEMS

- 1- THE 24 MONTH ALTIMETER AND STATIC SYSTEM TEST REQUIRED BY 91.411 HAVE BEEN PERFORMED AND FOUND TO COMPLY WITH APPENDIX E AND F OF PART 43 OF THIS CHAPTER.

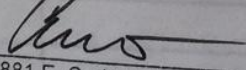
THE ALTIMETERS HAVE BEEN TESTED TO		18,000 FEET	
AIR DATA COMPUTER	P/N	011-00882-00	S/N 47806511
STANDBY ALTIMETER	P/N	5934PD	S/N 462730

- 2- THE 24 MONTH ATC TRANSPONDER TESTS REQUIRED BY FAR 91.413 HAVE BEEN PERFORMED AND FOUND TO COMPLY WITH APPENDIX F OF PART 43 OF THIS CHAPTER

TRANSPONDER	P/N 011-00779-10	S/N 89106650
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THE ABOVE DESCRIBED MAINTENANCE IS CERTIFIED AIRWORTHY AND A DETAILED RECORD IS ON FILE UNDER S.O. #. LS11-2447

I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH THE INSTRUCTIONS AND PROCEDURES FOR AN INSPECTION PROGRAM REQUIRED BY FAR 91.409 (F) (3), AND IS APPROVED FOR RETURN TO SERVICE.

AUTHORIZED SIGNATURE  DATE: 9-12-11
WEST COAST AIRCRAFT MAINTENANCE, 2881 E. Spring Street Long Beach CA 90806 FAA CRS GSPR467E

ENGINEERING RECORD

6

INSPECTION, REPAIRS & REPLACEMENT

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

SIGNATURE

LICENCE
NUMBER

FRESH AIR maintenance LONG BEACH

2901-F E. Spring St., Long Beach, Ca
562-366-4806
Cell 562-881-5345

Date : 9/23/11 N987TS S/N: 42.AC088
Total Time: 479.3

Date : 9/23/11 N987TS S/N: 42.AC088
Total Time: 479.3

1. Performed Annual Inspection IAW DA42 AMM Section 05-20-00.
2. Inspected ELT in reference with FAR 91.207(d). Battery Expires 08/2012.
3. Inspected Emergency Battery IAW DA42 AMM 24-30-00. Battery Expires 08/2012.
4. Jacked aircraft and checked normal and emergency functions of landing gear.
5. Complied with 100 hour lubrication IAW Diamond DA42 AMM.
6. R&R ECU backup batteries with new p/n LC-R127R2P1.
7. R&R Alternator Excitation Batteries with new p/n LC-R121R3P.
8. R&R Wing Walks with P/Ns D60-1127-10-52_1 and D60-1127-10-51_1.
9. R&R RH Tube/Tire IAW DA42 AMM 32-40-00.
10. AD 2011-05-06 (Timing Chain) must be C/W by 600Hrs on RH Engine only.
11. AD 2011-11-07 (Landing gear trailing arm link) Inspected link in reference with Diamond MSB 42-088/2 as described in paragraph (f) of this AD. No discrepancies noted at this time. Landing gear link must be replaced within 100 hours TIS after July 6, 2011 as described in paragraph (f)(1) of this AD.
12. AD 2011-10-13 (Passenger door retaining bracket) N/A by P/N.
13. ADs current to biweekly revision 2011-19.

Performed ground run operational check with no discrepancies noted at this time.

I certify this aircraft has been inspected IAW Diamond AMM 100 hour inspection, is in airworthy condition and is approved for return to service.

1. Performed post 100 hour test flight in reference with Diamond DA42 AMM section 05-20-00.
2. Performed operational check on all systems with no discrepancies noted at this time.

I certify this aircraft has been test flown in reference with Diamond DA42 AMM and all systems checked good at this time.

Authorized Signature

Erick B.

Authorized Signature

Michael Herbert

Michael Herbert AP3153561 IA

Tail# N987TS

Hobbs: 487.0

Model: DA-42

Total Time:

S/N: 42.AC088

Landings:

PERFORMED THE FOLLOWING UNSCHEDULED MAINTENANCE ITEM

1. Replaced suspected failed GMU-44, PN 011-00870-00, SN 47508725 w/ Overhauled Unit of like PN, SN 47518119 and performed a satisfactory GRS/GMU Magnetic Calibration per Garmin G1000 Maintenance Manual.

I CERTIFY THAT THE ABOVE DESCRIBED MAINTENANCE IS CERTIFIED AIRWORTHY.

Signature:

Edward Diaz

Edward Diaz

A: 2783912 DATE: 10/31/11

AIR TIME AND

FRESH AIR maintenance LONG BEACH
2901-F E. Spring St., Long Beach, CA
562-366-4806
Cell 562-881-5345

Date : 12/2/11 N987TS S/N: 42.AC088
Total Time: 503.7

1. AD 2011-11-07 (Landing gear trailing arm link) replaced links IAW Diamond MSB 42-088/2.
2. Bled both brakes IAW DA42 AMM 32-40-00.
3. Replenished hydraulic reservoir IAW DA42 29-10-00.

I certify the above work has been performed IAW Diamond DA42 AMM, is in airworthy condition and is approved for return to service.

Authorized Signature

David Seastead A/P 3492477

MXdiamond
2901-F E. Spring St., Long Beach, CA
562-989-9495
562-881-5345

Date: 9/12/12 N987TS S/N: 42.AC088
Tach: 540.4

1. Performed Annual Inspection using DA42 AMM as a guide.
2. R&R and inspected ELT IAW FAR 91.207(d). Battery expires 10/19.
3. R&R and inspected emergency battery IAW DA42 AMM 24-30-00. Battery expires 9/13.
4. R&R ECU backup batteries IAW DA42 AMM 24-30-00. Batteries expire 9/13.
5. R&R Alt backup batteries IAW DA42 AMM 24-30-00. Batteries expire 9/13.
6. R&R Fuel filters IAW DA42 AMM 28-20-00.
7. Complied with 100 hour lubrication IAW DA42 AMM 12-10-00.
8. AD 2007-12-05 N/A by S/N.
9. AD 2007-12-24 N/A by S/N.
10. AD 2007-13-16 N/A by S/N.
11. AD 2008-23-08 N/A by engine model.
12. ADs current to biweekly revision 2012-16.
13. Performed ground run operational check.

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

Authorized Signature

Michael Herbert AP3153561 IA

MXdiamond
2901A E. Spring St. Long Beach, CA 90806
Main: 562.989.9495
Cell: 562.881.5345

Date: 3/14/13 N987TS S/N: 42.AC088
Total Time: 557.4

1. Replaced chrome intake rings IAW DA42 AMM 71-10-00.
2. Replaced chrome intake bars IAW DA42 AMM 71-10-00.

I certify that the above work was performed IAW DA42 AMM and is in airworthy condition.

Authorized Signature

David Seastead AP3492477



Date: 10/2/13 N987TS S/N: 42.AC088
Total Time: 583.3 Hobbs: N/A

Angel City Flyers
2901A E. Spring St. Long Beach, CA 90806
Main: 562.366.4806
Cell: 562.881.5345

1. Performed Annual Inspection using DA42 AMM as a guide.
2. Inspected ELT system IAW FAR 91.207(d). Battery expires 10/2019.
3. Inspected emergency battery system IAW DA42 AMM 24-30-00. Battery expires 09/2014.
4. Replaced ECU backup batteries IAW DA42 AMM 24-30-00.
5. Replaced Alternator excitation batteries IAW DA42 AMM 24-30-00.
6. Replaced fuel filters IAW DA42 AMM 28-20-00.
7. Complied with 100 hour lubrication IAW DA42 AMM 12-10-00.
8. Replaced step grips P/N D60-1127-10-53/54 IAW DA42 AMM 11-20-00.
9. MSB42-077 (Emergency exit) inspected IAW WI-MSB42-077.
10. AD 2012-17-07 (Wing skin) N/A by S/N.
11. AD 2013-07-01 (MLG dampers) repaired IAW MSB42-095.
12. ADs current to biweekly revision 2013-18.
13. Performed ground run operational and leak check.

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

Authorized Signature

David Seastead AP3492477 IA

ENGINEERING RECORD

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Tail# N978TS	Model: DA-42	S/N: 42.AC088
Hobbs: 583.6	Total Time: 583.6	Landings: N/A

COMPLIED WITH THE FOLLOWING INSPECTION ITEMS

- 1- THE 24 MONTH ALTIMETER AND STATIC SYSTEM TEST REQUIRED BY 91.411 HAVE BEEN PERFORMED AND FOUND TO COMPLY WITH APPENDIX E AND F OF PART 43 OF THIS CHAPTER.

THE ALTIMETERS HAVE BEEN TESTED TO		20,00 FEET	
STANDBY ALTIMETER	P/N	5934 PD	S/N 462730
#1 AIR DATA COMPUTER	P/N	011-00882-00	S/N 47806511

- 2- THE 24 MONTH ATC TRANSPONDER TESTS REQUIRED BY FAR 91.413 HAVE BEEN PERFORMED AND FOUND TO COMPLY WITH APPENDIX F OF PART 43 OF THIS CHAPTER

#1 TRANSPONDER	P/N 011-00779-01	S/N 89106650
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THE ABOVE DESCRIBED MAINTENANCE IS CERTIFIED AIRWORTHY AND A DETAILED RECORD IS ON FILE UNDER S.O. # LS13-1204.

I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH THE CURRENT FEDERAL AVIATION REGULATIONS, AND IS APPROVED FOR RETURN TO SERVICE.

AUTHORIZED SIGNATURE Veronica Weiner DATE: 10/4/13
WEST COAST AIRCRAFT MAINTENANCE, 2881 E. Spring Street Long Beach CA 90806 FAA CRS GSPR467E

Page 1 of 1



Date: 12/26/13 N987TS S/N: 42.AC088
Total Time: 594.9 Hobbs: N/A

Angel City Flyers
2901A E. Spring St. Long Beach, CA 90806
Main: 562.366.4806
Cell: 562.881.5345

- AD 2013-19-11 (NLG Actuator) N/A by P/N.
- ADs current to biweekly revision 2013-24.

I certify the above work was performed IAW DA42 AMM and is in airworthy condition.

Authorized Signature David Seastead AP3492477 IA



Date: 10/17/14 N987TS S/N: 42.AC088
Total Time: 640.5 Hobbs: N/A

Angel City Flyers
2901A E. Spring St. Long Beach, CA 90806
Main: 562.366.4806
Cell: 562.881.5345

- Performed Annual Inspection using DA42 AMM as a guide.
- Inspected ELT system IAW FAR 91.207(d). Battery expires 10/2019.
- Replaced emergency battery and inspected system IAW DA42 AMM 24-30-00. Battery expires 10/2015.
- Replaced ECU backup batteries IAW DA42 AMM 24-30-00.
- Replaced Alternator excitation batteries IAW DA42 AMM 24-30-00.
- Replaced fuel filters IAW DA42 AMM 28-20-00.
- Complied with 100 hour lubrication IAW DA42 AMM 12-10-00.
- Installed Orion600 LED wingtip lights P/Ns 01-0771733-11/12 IAW AC43.13-2B Chapter 4.
- ADs current to biweekly revision 2014-20.
- Performed ground run operational and leak check.

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

Authorized Signature David Seastead AP3492477 IA

AIR TIME AND

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

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



Date: 3/26/2015 N987TS S/N: 42.AC088
Total Time: 664.3 Hobbs: N/A

2901A E. Spring St. Long Beach, CA 90806
Main: 562.912.4263
Cell: 562.881.5345

1. Replaced main battery IAW DA42 AMM 24-31-00.
P/N: RG24-15M A.N.

Authorized Signature

Abel Navarrete AP3773318



GERDES AVIATION SERVICES

FAA Approved Repair Station G3RR399J

IFR CERT. TESTS - The Altimeter / Static and Transponder Systems have been tested and inspected per 14 CFR 91.411 & 91.413. The systems were found to comply with 14 CFR 43, Appendix E & F to an altitude of 25,000 feet.

N Number 987TS Tach/Hobbs 0688.6 ACTT 0688.6

Date 11-03-2015 Authorized Signature: David Seastead

P.O. Box 2872 Fullerton CA 92833 Office (714) 525-7545



Date: 11/24/15 N987TS S/N: 42.AC088
Total Time: 688.6 Hobbs: N/A

MX Aero Global LLC
2901A E. Spring St. Long Beach, CA 90806
Main: 562.912.4263
Cell: 562.881.5345

1. Performed Annual Inspection using DA42 AMM as a guide.
2. Inspected ELT system IAW FAR 91.207(d). Battery expires 10/2019.
3. Inspected emergency battery system IAW DA42 AMM 24-30-00. Battery expires 10/2016.
4. Replaced ECU backup batteries IAW DA42 AMM 24-30-00.
5. Replaced Alternator excitation batteries IAW DA42 AMM 24-30-00.
6. Replaced fuel filters IAW DA42 AMM 28-20-00.
7. Complied with 100 hour lubrication IAW DA42 AMM 12-10-00.
8. Replaced LH tire & tube IAW DA42 AMM 32-40-00.
9. Replaced radiator shock mounts IAW DA42 AMM 75-00-00.
10. Replaced NLG torque link P/N D60-3223-10-53 and six bushings P/N EGF08055-E40-B IAW DA42 AMM 32-20-00.
11. Replaced pilot map light housing P/N DA1-9033-00-01X01 IAW DA42 AMM 33-10-00.
12. RSB42-072 (Fire sensors) resealed terminals IAW WI-RSB42-072.
13. RSB42-094 (Alternator cables) installed cable stiffener kits IAW WI-RSB42-094.
14. RSB42-097 (MAP lines) replaced MAP line fittings with improved design IAW WI-RSB42-097.
15. MSB42-112 (Turbo Clamps) installed new style clamps P/N 05-7241-K021602 IAW WI-MSB42-112.
16. ADs current to biweekly revision 2015-23.
17. Performed ground run operational and leak check.

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

Authorized Signature

David Seastead AP3492477 IA