

**Diamond
DA-40-180**

N541DS

Technical Logs

Section 1: Airframe

AIRCRAFT TECHNICAL LOGS

Section 1. AIRFRAME

AIRCRAFT

- | | |
|--|------------------|
| 1. Nationality and Registration | <u>N541 DS</u> |
| 2. Manufacturer's Designation | <u>DA40</u> |
| 3. Manufacturer's Serial Number | <u>40041</u> |
| 4. Type Approval or Specification Number | <u>A4 FCE</u> |
| 5. Date of Manufacture | <u>MAY 2001.</u> |
| 6. Aircraft Inspection Cycle | <u></u> |

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.		
BROUGHT FORWARD			7	2	HOURS BROUGHT FORWARD	
August 21/01			7	2	<div data-bbox="727 380 937 415" data-label="Image"> </div> <p>Date: 21 August, 2001 S/N: 40041 Reg: N541DS WO#: RO-01-089 Hobbs: 7.2 TTAF: 7.2</p> <p>Aircraft wings, horizontal stabilizer, nose and MLG reassembled per Maintenance Manual after shipment from Austria. Aircraft De-preservation carried out per de-preservation check sheet VA-P-09-05. Brake lines hooked up and brake bleeding carried out. Optional Type Certified ventilation Modifications defined by Diamond-- Dwg. # DA 4-2153-00-00 carried out Ground run-up of engine performed. Found to be satisfactory.</p> <p>The following S/B and S/I have been carried out as applicable: DAI SI 40-002 / Lycoming Mandatory S/B 548 – Engine Driven Fuel Pump replacement – N/A by S/N of DPU. DAI SI 40-003 – Vision Microsystem VM1000. Capacitor check – N/A by S/N of DPU. Bi-weekly AWD check carried out to current revision 2001-17.</p> <p>The maintenance described above has been performed in accordance with the applicable standards of airworthiness.</p> <p style="text-align: center;">DIAMOND AIRCRAFT INDUSTRIES D.O.T. APPROVAL #</p> <div data-bbox="1274 871 1380 934" data-label="Image"> </div> <p>Signature: <u><i>Paul Ahmad</i></u> Lic or Stamp</p> <p>I HAVE CARRIED OUT AN INDEPENDENT CHECK OF THE FLIGHT CONTROLS AFFECTED BY THE WORK ACCOMPLISHED.</p> <div data-bbox="803 1060 1112 1228" data-label="Text"> <p>Signature: <u><i>[Signature]</i></u> Lic or Stamp</p> </div> <div data-bbox="1250 1102 1380 1186" data-label="Image"> </div> <p>August 22, 2001</p> <p>I find that this aircraft meets the requirements for the certificate requested and issued Standard Airworthiness Certificate dated August 22, 2001.</p> <p>The next annual inspection is due August 2002.</p> <div data-bbox="730 1512 1023 1659" data-label="Text"> <p><u><i>W.C. Tetrault</i></u> W.C. Tetrault FAA/DAR DART333002EA Rochester N.Y</p> </div>	
August 22/01			7	2		AS OF THIS U.S. CERTIFICATION FOR DAY VFR ONLY.
CARRIED FORWARD			7	2		CARRIED FORWARD

Kontrolle durchführen, dass die Montage des Lfz und aller Komponenten... gemäß Zeichnung DA4-0710-00-00 erfolgt ist und dass alle Arbeitsschritte ordnungsgemäß durchgeführt und abgezeichnet wurden

Perform inspection that the fixture of the aircraft and all components is according drawing DA4-0710-00-00 and that all points of this program have been performed correctly and are signed..

Unterschiedenen Originalbericht den Flugzeugpapieren beigegeben, eine Kopie in Herstellungsakt und dem Flugzeug beigegeben. Im Logbuch die Konservierung eintragen.
Attach the signed Originalreport to the aircraft papers, one copy to production-documents and one copy to the aircraft. State the preservation in the aircraft log.

Datum/date: *11 06 01* durchgeführt von/executed by: *[Signature]*

Entkonservierung / Depreserving *A/c 40041 N541DS.*

HLW / Horizontal stabilizer

Klebebänder und Folie von HLW und SLW entfernen, Fairing abschrauben, HLW montieren mit 45 Nm gem. M.M. 55-10-00. und Trimmrudersteuerung anschliessen gem. M.M. 27-38-00. In SLW Fremdkörperkontrolle durchführen und SR und Fairing montieren.
Remove tape and foil from Hor. Stab. and Fuselage. Remove fairing. Install Hor. Stab. acc. M.M. 55-10-00 with 45 Nm. Install Trim Rudder acc. M.M. 27-38-00. Control fuselage for foreign objects. Install Rudder and Fairing.

DA
RO 7

HFW / Main landing gear

Luftfahrzeuge aufbocken. Transport Fahrwerksbügel abmontieren. HFW-Bügel mit HFW-Beschlag und Alu-Bügel mit Originalschrauben montieren lt. M.M. 21-10-00. Bremsleitungen montieren. Radkästen montieren. Bugradstiel lt. M.M. 32-20-00 montieren.
Lift up the aircraft. Remove transport gears. Install original MLG and brackets with original screws acc. M.M. 21-10-00. Install brake lines. Install MLG-Cover. Install NLG acc. M.M. 32-20-00.

DA
RO 7

Flügel / Wings

Klebeband von Rumpf und Flügel entfernen. Flügel montieren gem. M.M. 57-10-00. Fremdkörperkontrolle durchführen. Deckeln montieren.
Remove tape and foil from fuselage and wings. Install wings acc. M.M. 57-10-00. Control for foreign objects. Install covers.

DA
RO 7

Motor / engine

Motor entkonservieren: Silikatsäcke von Luftfilter und Auspuff entfernen. Konservierungsoil aus Zylindern ablassen. Motor von Hand ca 10x durchdrehen, um Öl zu entfernen. Falls erforderlich Motor reinigen. Zündkerzen montieren. Zündkerzenstecker montieren. Batterie anschliessen. Unter- und Obercowling montieren.
Depreserve engine: Remove silikat gel bags from air filter and muffler. Let out the preservation oil from the cylinders.. Turn the engine by hand 10 times to pump all oil out. Clean the engine if necessary. Install spark plugs and connectors. Connect battery. Install lower and upper cowling.

DA
RO 7

Vorflugkontrolle gem. AFM durchführen. Standlauf durchführen.
Perform preflight inspection acc. AFM. Perform ground run.

DA
RO 6

Diese Formblatt ausfüllen und dem L-AKT beigegeben. *Fill this paper and put into the aircraft log.*

Datum/date: *Jly 25 01* durchgeführt von/executed by: *[Signature]*

DA
RO 6

ENGINEERING RECORD

INSPECTION, REPAIRS & REPLACEMENT

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

SIGNATURE

LICENCE NUMBER

FROM AUSTRIAN LOGS.

Edual Ahmad

DA
R06

Diamond

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

DATE

INSPECTOR

August 21, 2001

Edual Ahmad **DA R06**

Diamond

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

DATE

INSPECTOR

August 21, 2001

Edual Ahmad **DA R06**

Diamond

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

ANNUAL INSPECTION DUE: MARCH 2002

BATTERY DUE: MARCH 2005

DATE

INSPECTOR

August 21, 2001

Edual Ahmad **DA R06**

THIS AIRCRAFT IS CURRENTLY EQUIPPED

Edual Ahmad

AIR TIME AND

ENGINEERING RECORD

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

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.	
	HRS.	MIN.	HRS.	MIN.
BROUGHT FORWARD			7	2

August 23/01

7 2



Date: August 23, 2001 S/N: 40041 Reg. #: N541DS WO# RO-01-089
 Engine S/N: L-29410-51A Prop S/N: 00 196 TTSN: 7.2 Hobbs: 7.2

Magnetos replaced with new 2001 Manufactured Units per Unison Industries Instructions and SLI-96.
 LH Mag Model 4771 removed S/N: 00070968
 New LH Mag installed Model 4771 S/N: 01061069
 RH Mag Model 4770 removed S/N: 00070771
 New RH Mag Model 4770 installed S/N: 01060962
 Engine to Mag timing adjusted. Ground run up of aircraft performed and found to be satisfactory.

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 *Spencer Ahmad* Lic. Or Stamp



	TACH TIME	T	T SN
<i>AUG 30/2001</i>	6 2	6	2

NOTE: TIMES IN THIS LOG
 TACH, RECORDING TIMES INSTEAD



Date: August 30, 2001 S/N: 40041 Reg. #: N541DS WO# RO-01-089
 TACH: 6.2 TTSN: 6.2 Hobbs: 9.2

The following maintenance carried out.
 OAT gauge Model 301F S/N: A4306 Removed
 OAT gauge Model 301C S/N: A5000 Installed
 Transponder KT 76A S/N: 127346 Removed
 Loaner Transponder KT 76A S/N: 100822 Installed
 Removed KLN94 GPS S/N: 2203
 Removed KI208 VOR/LOC Indicator S/N: 71955
 Equipment List and Weight and Balance in Section 6 of A.F.M. amended
 New Empty Weight: 747.2 Kg
 Max. Permissible Weight: 1150 Kg
 New Useful Load : 402.8 Kg
 New Empty Weight C. G.: 2.45 m
 Empty Weight Moment: 1827.79 Kg m
 Note: as of this date the Aircraft Times recorded are the same as Tach Readings.

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 *Spencer Ahmad* Lic. Or Stamp



CARRIED FORWARD

1. United States
2. FAA Form 8130-3
Airworthiness Approval Tag
US Department of Transportation
Federal Aviation Administration

4. Organization
UNISON INDUSTRIES
530 BLACKHAWK PARK AVENUE
ROCKFORD, ILLINOIS 61104-5193
PQ2050CE

6. Item
1
MAGNETO - NO SENSOR
7. Description
8. Part Number
4770
9. Eligibility
TBV by Inst

10. Quantity
11. Serial/Batch Number
ONE PAGE
12. Status/Work

5. Work Order, Contract, or Invoice Number
J796860000001

13. Remarks
EXPORT: Airworthiness approval Class II/Class III product issued in accordance with F having met the special requirements of CANADA per AC-21-22. FAA/PMA END

14. New
 Newly Overhauled
Limited life parts must be accompanied by maintenance history including total time/total cycles/time since new.

Certifies that the new or newly overhauled part(s) identified above, except as otherwise specified in block 13 was (were) manufactured in accordance with FAA approved design data and airworthiness.
Note: In case of parts to be exported, the special requirements of the importing country have been met.

15. Signature:
Lesley M. Frint

16. FAA Authorization No.:
DMIR500127CE

17. Name (Typed or Printed):
Lesley M. Frint

18. Date:
9-Jul-01

20. Authorized Sign
22. Name (Typed)

19. Return to Service in Accordance with FAR 43.9
Certifies that the work specified in block 13 (or attached) above was carried out in accordance with FAA airworthiness regulations and in respect to the work performed the part(s) is (are) approved for return to service.

FAA-PMA Approved

Enter magneto model, serial number and date of installation and attach this tag to engine logbook.

Magneto Model No. 4770

Magneto Serial No. 01060962

Date of Installation Aug 23/2001

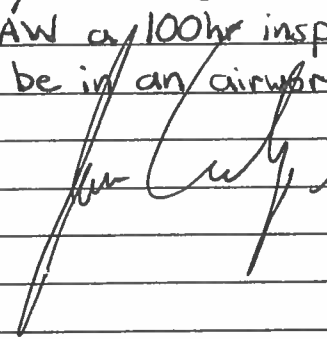
L-1231-B

A/C 40041

This magneto was manufactured from all new components in accordance with FAR 21.303h under authority of MMF-3226 and is airworthy. This magneto is PMA Approved for applications listed in Unison Industries' Forms L-1058 and L-1100. For LASAR® Magnetos, see L-1500.

The FAA Form 8130-3 and JAA Form One are equivalent. Other countries such as Canada also have equivalent acceptable documents.
FAA Form 8130-3 (1-93)
*U.S. GPO: 1994-301-706/94264

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					
2-4-04			18.6		Replaced fuel bowl O-ring PN GA375 Replaced Battery w/New G243 Replaced all Valve cover gaskets Replaced existing mixture cable w/PN A-1510-0866 IAW MSB 40-012 Cleaned & Repacked wheel bearings Adj tire pressures Washed aircraft Lubricated per maintenance manual Performed required maintenance & insp all items outlined in maintenance manual for a 100hr insp. Checked AD's to date I certify that this aircraft has been Insp. IAW a 100hr insp. and was found to be in an airworthy condition <div style="text-align: right;">  AIP 2641588 </div>
2-4-04			18.6		CRED. A.D.'S TO DATE. c/w ALL ANNUAL INSP. ITEMS IAW A ANNUAL INSP. SEE ABOVE 100HR FOR COMPL. WITH SERV. ITEMS. I CERTIFY THAT THIS AIRFRAME HAS BEEN INSP. IAW A ANNUAL INSP. & WAS DETERMINED TO BE IN AIRWORTHY CONDITIONS <div style="text-align: right;"> Alan E. Schwan ID. 139423121 </div>
					CARRIED FORWARD

ENGINEERING RECORD

INSPECTION, REPAIRS & REPLACEMENT

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

SIGNATURE

LICENCE NUMBER

APRIL 28, 2004

REMOVED THE FOLLOWING EQUIPMENT: KLN 39 GPS, KING KX 155A, + KING KT 76A TRANSP. INSTALLED THE FOLLOWING EQUIPMENT: LARMIN GNS 530, GTX 330, + GMA 340 AUDIO PANEL. REFERENCE 337 FORM THIS DATE FOR COMPLETE DETAILS. WEIGHT + BALANCE REVISED. J. Varnos AWP 153765495

SEPT 15
2004

INSTALLED EMERGENCY BATTERY BACK UP SYSTEM. (LOW DIAMOND) INSTALLATION MANUAL. J. Varnos AWP 153765495

Alt. Error - Alt. Ser.No NS4105 date 9/15/04

Alt. Ft.	Error	Alt. Ft.	Error	Alt. Ft.	Error
-1000	✓	3000	+10	14000	+30
0	✓	4000	+20	16000	+40
500	✓	6000	+20	18000	+40
1000	+10	8000	+20	20000	+40
1500	+10	10000	+20		
2000	+10	12000	+20		

The ATC Transponder has been tested and found to comply with FAR 43, appendix F, as required by FAR 91.413 & 91.217

The Altimeter, Pitot, Static and Altitude Reporting Systems have been tested and found to be in compliance with FAR 43, appendices E and F, as required by FAR 91.411

Princeton Air Corp
Signature: J. Varnos

Date 9/15/04

CRS #URCR-534K

Wid 091504

10-25-04
AFTT 66.0

Contacted Diamond Aircraft and insp A/C and AFM IAW SB 40-004/3 (OSB 40-004/3) and determined that aircraft was built with the required equip. listed under section 1.8 Mandatory Design Change Advisories

J. Varnos
AWP 153765495

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					
6/5/04			40	20	OIL CHANGED AND FILTER EXAMINED, NO METAL FOUND, <i>MLY</i>

Date: 11/23/2004 Aircraft: N541DS Type: DIAMOND DA 40 S/N: 40041
 Hobbs: 82.9, Total Time: 82.9
 LYCO IO-360-M1A S/N: L-29410-51A Time: 82.9

INSTALLED FACTORY CABIN DOOR LOCKS AND MATCHING IGNITION SWITCH.

DATE NOV 23 2004

HENLEY'S TRAINING ACADEMY, INC.
 15841 ADDISON ROAD
 ADDISON, TEXAS 75001

SIGNED *[Signature]*

CERT NO. 45294031D

Tomlinson Aviation 2230 Airport Drive Gainesville, TX 76240 940 612-2044

Make: Diamond Model: DA40-180 S/N: 40041 Reg. #: N541DS

3/8/2005 Tach & TTAF 130.8 This aircraft inspected to the scope and depth as outlined in FAR 43 Appendix D. The following maintenance was performed: Removed deteriorated wing walk material from right wing and installed new material from Diamond Aircraft. Removed both assist steps, painted and reinstalled. Installed Diamond Aircraft Gust Lock strap clips under pilot instrument panel. Replaced broken micro hinges on oil door and external power access door. Replaced ELT battery and benched checked I.A.W. FAR 91.207d and found to be in compliance. ELT expiration date March 2007. Complied with Lycoming MSB 565. Fuel pump date code is 3000.

[Signature]
 Aaron Curry
 A&P 2758000

Tomlinson Aviation 2230 Airport Drive Gainesville, TX 76240 940 612-2044

Make: Diamond Model: DA40-180 S/N: 40041 Reg. #: N541DS

3/8/2005 Tach & TTAF 130.8 I certify that this aircraft was inspected I/A/W an annual inspection and determined to be in airworthy condition.

[Signature]
 James Damron
 A&P 2704630 IA

CARRIED FORWARD

ENGINEERING RECORD

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

SIGNATURE

LICENCE
NUMBER

A.D. 2004-10-15

CONFIRMED GTX 330 SERIAL NO.
84108530 HAS SOFTWARE VERSION
4.06 OR LATER INSTALLED IN
ACCORDANCE WITH A.D. 2004-10-15.
OPS CHECKED SYSTEM I.A.W. GARMIN
S/B 0304 REV. B

TOMLINSON AVIONICS OF TEXAS, INC
CRS # T3TR390N DATED: 3-10-05
SIGNED: [Signature]

Tomlinson Aviation 2230 Airport Drive Gainesville, TX 76240 940-612-2044

Make: Diamond Model: DA40 S/N: 40041 Reg.: N541DS
7/15/2005 Hobbs 191.4 Removed fuel control servo and sent to Aircraft fuel injection
for repair due to excessively rich mixture. Installed repaired servo of same part and
serial number as that removed. Removed, cleaned and reinstalled all spark plugs.
Drained oil and removed oil filter. Cut filter open and inspected. No metal found.
Installed new AA48110 filter and serviced engine with 8 quarts Aeroshell W100. Ran
engine and checked for leaks. No leaks noted.

[Signature]
Aaron Curry
A&P 2758000

1. United States		FAA FORM 8130-3 AIRWORTHINESS APPROVAL TAG <small>U.S. Department of Transportation Federal Aviation Administration</small>				3. System Tracking Ref. No.	
4. Organization <small>AIRCRAFT FUEL INJECTION SERVICE, INC. 2731 BROOKFIELD AVENUE DALLAS, TX 75235</small>		5. Work Order, Contract or Invoice Number: <u>6283</u>					
6. Item	7. Description	8. Part Number	9. Eligibility	10. Quantity	11. Serial/Batch Number	12. Status/Work	
13. Remarks PERTINENT DETAILS OF THE ABOVE WORK ORDER ARE ON FILE AT THIS REPAIR FACILITY <i>Repair & Flow Check Only</i> <i>Limited life part must be accompanied by maintenance history including total time/total cycles/time since new.</i>							
14. New <input type="checkbox"/> Newly Overhauled <input type="checkbox"/> <small>Certifies that the new or newly overhauled part(s) identified above, except as otherwise specified in block 13 was (were) manufactured in accordance with FAA approved design data and airworthiness. NOTE: In case of parts to be exported, the special requirements of the importing country have been met.</small>				19. Return to Service in Accordance with FAR 43.9 <small>Certifies that the work specified in block 13 (or attached) above was carried out in accordance with FAA airworthiness regulations and in respect to the work performed the part(s) is (are) approved for return to service.</small>			
15. Signature		16. FAA Authorization No.		20. Authorized Signature <i>[Signature]</i>		21. Certificate Number: IOFR546Y	
17. Name (Typed or Printed)		18. Date		22. Name (Typed or Printed) <i>[Name]</i>		23. Date: <u>7-13-05</u>	

AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD					N541DS Diamond DA40 SN: 041

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

AERO RESTORATIONS, INC.
 Addison Airport, Addison, Texas 75001

N541DS
 Diamond DA40
 SN: 041

Airframe Log Entry

October 14, 2005 Hour Meter: 260.4 Removed and reinstalled aft passenger door p/n D41-5221-00-00 with new aft hinge bracket p/n DA4-5200-00-51 and new aft hinge pin p/n 415452 after repair of hinges, reference XU Aviation Ltd. Work order #4396 for details of canopy repair. Removed and replaced aft canopy strut with new p/n 200-1-425-WG18-400N, s/n RC0505591. Replaced cowling camlocs with new stainless steel camlocs. Removed and replaced alternator belt with new p/n 37A19773-376 and adjusted and torqued to manufacturer's specifications.

I CERTIFY THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH FAR 91.409 AND/OR REPAIRED IN ACCORDANCE WITH THE CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE ONLY FOR THE WORK PERFORMED ABOVE. FOR FURTHER INFORMATION SEE WORK ORDER #05-2403 ON FILE AT THIS STATION. DATED 10/14/2005. INSPECTED BY JOSEPH K. SHOBE A&P 463119060 *J. Shobe*

AERO RESTORATIONS, INC.
 Addison Airport, Addison, Texas 75001

N541DS
 Diamond DA40-180
 SN: 40041

Airframe Log Entry

AFTT: 333.5 Hour Meter: 333.5 Engine TT: 333.5 ETSN: 333.5 PTSN: 333.5
 March 15, 2006 C/W 100hr inspection IAW Diamond Aircraft DA40-180 Series Maintenance Checklist from Chapter 5-20-00. C/W DAI MSB-40-044/1 by installation of exhaust brace IAW Diamond Aircraft Industries Drawing #D41-7806-00-00-1, dated 2005. C/W DAI MSB 40-046 by inspection of nose landing gear leg; no defects noted at this time. Next inspection due in 200hrs - 533.5. Replaced main tires with new Goodyear Flight Special II tires 6.00-6 6-ply p/n 605C61B1, L/H s/n 53587201, R/H s/n 53537182, and new tubes. Replaced nose tire with new Goodyear flight Special II 5.00-5 6-ply p/n 505C61-8, s/n 60470338, and new tube. C/W 100 and 200hr lubrication requirements IAW Diamond Aircraft DA40 Series Maintenance Manual lubrication schedule from Chapter 12-20-00, page 2. Serviced main aircraft battery with distilled water and charged. Reattached alternate air cable to cockpit actuator handle with new set screw assembly p/n 110100. Replaced o-ring p/n MS29513-006 with new in L/H wing fuel sump; leak check good. Replaced L/h and R/H brake linings with new p/n 066-14100. C/W FAR 91.207(d) by inspection and operational test of ELT. ELT battery expiration date March 2007. Reattached bonding strap to nutplate on horizontal stabilizer. Cleaned induction filter.

I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IAW A 100HR INSPECTION AND WAS FOUND TO BE IN AIRWORTHY CONDITION. JOSEPH K. SHOBE A&P463119060 *J. Shobe*

AERO RESTORATIONS, INC.
 Addison Airport, Addison, Texas 75001

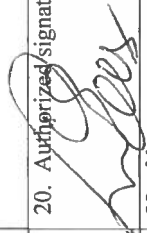
N541DS
 Diamond DA40
 SN: 40041

Airframe Log Entry

March 15, 2006 AFTT: 333.5 Hour Meter: 333.5
 Engine TT: 333.5 ETSN: 333.5 PTSN: 333.5
 C/W an annual inspection IAW Diamond Aircraft DA40 Series Maintenance Manual Inspection Guide
 I HAVE INSPECTED THIS AIRFRAME IAW AN ANNUAL INSPECTION AND DETERMINED IT TO BE IN AIRWORTHY CONDITION.

J. Shobe

CARRIED FORWARD

1. Approving national aviation authority Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE TCCA 24-0078				3. Form tracking No. 4396	
4. Approved organization name and address XU Aviation Ltd., 2537 Huron Street, London, Ontario, Canada. N5V 5J1							
6. Item 1	7. Description passenger door	8. Part No. D41-5221-00-00	9. Eligibility DA-40	10. Qty 1	11. Serial / batch No. none (N541DS)	12. Status repaired	5. Work order 4396
13. Remarks - Installed new fore and aft hinges p/n DA4-5221-25-00 - Processing in accordance with DA40 Series AMM Chapter 51							
14. Certifies that the items identified above were manufacturer in conformity to				19. Certifies that unless otherwise specified in block 13, the work identified in block 12 and described in block 13 was performed in accordance with CAR 571			
<input type="checkbox"/> Approved design data and are in condition for safe operation <input type="checkbox"/> Non approved design data specified in block 13				<input checked="" type="checkbox"/> CAR 571 Maintenance release <input type="checkbox"/> Other regulations specified in block 13.			
15. Authorized signature		16. Approved authorization No.		20. Authorized signature 		21. Approval certificate No. AMO 24-88	
17. Name		18. Date (ddimyy)		22. Name Christopher W. Eaves		23. Date (ddimyy) 07-10-2005	

1. This document does not constitute authority to install the part.

2. Where the installer works in accordance with the national regulation of an airworthiness authority other than the authority specified in block 1, the installer must ensure that his/her airworthiness authority accepts products or maintenance from the airworthiness authority specified in block 1.

3. Statements 14 and 19 do not constitute installation certification. In all cases the aircraft technical record must contain an installation certification, issued in accordance with the national regulations of the state of registry, before the aircraft may be flown.

AIR TIME AND

DATE

BROUGHT FORWARD



MODERN AERO, INC.
14801 PIONEER TRAIL
EDEN PRAIRIE, MN 55347
952-941-2595

FAA APPROVED REPAIR STATION MZER198L

REQUIRED FOR COMPLETE

Ken Fushler



MODERN AERO, INC.
14801 PIONEER TRAIL
EDEN PRAIRIE, MN 55347
952-941-2595

FAA APPROVED REPAIR STATION MZER198L

[Signature]

CARRIED FORWARD

1. Approving national aviation authority/country
Transport Canada

2.

Authorization Release Certificate
TCCA 24-0078

3. Form tracking No

S1063985

4. Approved organization name and address

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

5. Work order/contract/invoice

S1063985

6. Item	7. Description	8. Part No.	9. Eligibility *	10. Qty.	11. Serial/batch No.	12. Status/work
1	Push Rod, Canopy/Door	DA4-5210-00-31		1	RC0501672,	
2	Washer	DIN9021-M5		1	,	
3	Universal Joint	CS-8-M5		1	RC1,	

13. Remarks

Manufactured

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

- Approved design data and are in condition for safe operation
 Non approved design data specified in block 13

19. CAR 571 10 Maintenance release
 Other regulations specified in block 13

~~15. Authorized Signature~~
~~16. Certificate/Approval ref. No. /161-93~~
~~17. Name~~
~~18. Date (dd/mm/yyyy) 16/Aug/2006~~
~~19. CAR 571 10 Maintenance release~~
~~20. Authorized signature~~
~~21. Certificate/Approval ref No~~
~~22. Name~~
~~23. Date (dd/mm/yyyy)~~
~~24. Other regulations specified in block 13~~
~~25. Certifies that, except where otherwise specified in block 13, the work identified in block 12 and described in block 13 was performed in accordance with CAR 571.~~

User/Installer Responsibilities

1 This document does not constitute authority to install the part.

2 Where the installer works in accordance with the national regulations of an airworthiness authority other than the authority specified in Block 1, the installer must ensure that his/her airworthiness authority accepts products or maintenance from the airworthiness authority specified in Block 1.

3 Statements 14 and 19 do not constitute installation certification. In all cases the aircraft technical record must contain an installation certification, issue accordance with the national regulations of the state of registry, before the aircraft may be flown.

12/09/2003 *Installer must cross-check eligibility with approved data

AIR TIME AND

ENGINEERING RECORD

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

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

BROUGHT FORWARD

1. Approving Nation
Aviation Authority/Country

2. AUTHORIZED RELEASE CERTIFICATE
FAA Form 8130-3 AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number
6110709

4. Organization Name and Address

Sky-Tec Inc.
350 Howard Clemmons Rd.
Granbury, Texas 76048 (PQ0852SW)

6. Item	7. Description	8. Part Number	9. Eligibility*	10. Quantity	11. Serial/Batch Number	12. Status/Work
---------	----------------	----------------	-----------------	--------------	-------------------------	-----------------

1	STARTER	149-241.S	Lyc. 235,320,360,540,541	1	F4L-630324	OVERHAULED
---	---------	-----------	--------------------------	---	------------	------------

13. Remarks
This PMA part is not a critical component. This item has been overhauled and tested in accordance with Sky-Tec Component Maintenance Manual LPMGR01.

14. Certified the items above were manufactured in conformity to Approved design data and are in a condition for safe operation.

Not approved design and specified in Block 13.

<p>15. Authorized Signature</p> <p><i>[Signature]</i></p>	<p>16. Approval/Authorization No.</p> <p>S01R819N</p>	<p>20. Authorized Signature</p> <p><i>[Signature]</i></p>	<p>21. Approval/Certificate No.</p> <p>S01R819N</p>
<p>17. Name (Typed or Printed)</p> <p>Ken McDonald</p>	<p>18. Date (m/d/y)</p> <p>November 15, 2006</p>	<p>22. Name (Typed or Printed)</p> <p>Ken McDonald</p>	<p>23. Date (m/d/y)</p> <p>November 15, 2006</p>

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/assembly.

Where the user/installer work in accordance with the national regulations of an Airworthiness Authority different than the Airworthiness Authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her Airworthiness Authority accepts part/components/assemblies from the Airworthiness authority of the country specified in Block 1.

Statements in Block 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

FAA Form 8130-3 (Rev. 11-13-06) Computer Generated

CIT	HRP																																		
-----	-----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

CARRIED FORWARD

ENGINEERING RECORD



AVIONICS OF MODERN AERO, INC
14801 PIONEER TRAIL
EDEN PRAIRIE, MN 55347
952-941-2595

FAA APPROVED REPAIR STATION 05VR353Y

SIGNATURE

LICENCE NUMBER

ENTRIES.

N541DS

DATE: 04/28/2007

HOBBS TIME: 489.8

Performed minor alteration by removing 28v power plug and installing a 28v power receptacle Mounted in copilot's instrument panel interfacing with existing aircraft wiring. Ramp tested all and found satisfactory.

Avionics of Modern Aero, Inc
CRS 05VR353Y

Eden Prairie, MN 55347

W/O#5078

 Ryan Johnson



AVIONICS OF MODERN AERO, INC
14801 PIONEER TRAIL
EDEN PRAIRIE, MN 55347
952-941-2595

FAA APPROVED REPAIR STATION 05VR353Y

N541DS

DATE: 05/01/2007

HOBBS: 489.8

I certify that the altimeter, static system, transponder, and altitude reporter tests required by FARs 91.411, 91.413, and 91.217 have been performed and found to be within limits of FAR 43 appendices E & F.

Tested to 20,000 feet.

Altimeter model number:

5934PD-3

S/N 417566

Transponder model number:

GTX330

S/N 84108530

Altitude reporter model:

D120-P2-T

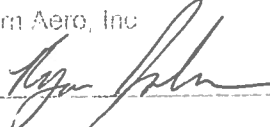
S/N 77744

Avionics of Modern Aero, Inc

Eden Prairie, MN 55347

CRS05VR353Y

W/O# 5078

 Ryan Johnson

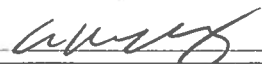
N541DS
AIRFRAME

DATE: 5/14/07
DIAMOND DA-40 S/N 40.041

TACH: 394.1
HOBBS: 489.1

COMPLETED ANNUAL INSPECTION ON THIS DATE. TESTED ELT PER FAR 91.207(D). ELT BATTERY DUE FOR REPLACEMENT 4/09. COMPLIED WITH MSB 40-046 BY INSPECTING NOSE GEAR LEG PIVOT. NO CRACKS FOUND. NEXT INSPECTION DUE AT TACH 594.1. ADJUSTED NOSE GEAR PIVOT FRICTION TO 9 LBS. INSTALLED 5 NEW P/N WZ8000-63X50, 1 NEW P/N WZ8000-32X40 RUBBER DAMPERS, AND 1 NEW P/N DIN985-M12A2 NUT IN NOSE GEAR ELASTOMETER SPRING. REPLACED EMERGENCY BATTERIES P/N MN1500B4. REPLACED ALL RUDDER CABLES. REPLACED ALL FUEL TANK VENT HOSES. C/W MSB 40-30/3 BY REPLACING THE FUEL SHAFT WITH P/N D41-2823-20-00. NO FURTHER ACTION IS REQUIRED. C/W MSB 40-007/4 BY INSPECTING EXHAUST SYSTEM RISERS FOR CRACKS, NO DEFECTS FOUND. C/W MSB 40-026/1 BY INSTALLING REV 7 OF THE POH INTO THE AIRCRAFT. C/W MSB 40-033 BY INSPECTING THE EXHAUST SYSTEM FOR CRACKS, NO DEFECTS FOUND. C/W RSB 40-040 IMPROVED EXHAUST BY INSTALLING PLAIN WASHERS P/N AN960C516 AND SELF LOCKING NUTS P/N STD-2233 TO EXHAUST RISERS. OPERATIONAL CHECKS OF AIRFRAME SYSTEMS WERE FOUND TO BE SATISFACTORY. I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. REFERENCE MODERN AERO W/O# 35034.

AARON MURPHY



Work Order #: 35034

A/FTT: 394.1

5/14/2007

Modern Aero, Inc. FAA CRS MZER198L

AIR TIME AND

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

BROUGHT
FC



Modern Aero, Inc. FAA CRS MZER198L

Work Order #: 35131

5/23/2007

N541DS
AIRFRAME

DATE: 5/22/07
DIAMOND DA-40 S/N 40.041

TACH: 398.4
HOBBS: 494.9

REMOVED MAIN CANOPY DOOR LATCH TO REPLACE SHEERED ROLL PINS. INSTALLED DOOR LATCH AND CHECKED RIGGING PER DA40 MM. REMOVED LEFT WING TO REMOVE FUEL TANK. REPLACED BOTH FUEL TANK INTERCONNECT VENT HOSES AND CLAMPS. LEAK CHECK SATISFACTORY. INSTALLED FUEL TANK AND LEFT WING PER DIAMOND DA40 MM. REPLACED NOSE TIRE TUBE P/N 092-308-0 AND SERVICED TO 29 PSI. REFERENCE MODERN AERO W/O# 35131.

AARON MURPHY

Date: 5-1-07
 Tech: R.S.
 Insp: AD
 Pilot's ~~Co-Pilot's~~
 Model #: 5734AD-3 Serial #: 417566

Avionics of Modern Aero, Inc.
 14801 Pioneer Trail
 Eden Prairie, MN 55347
 952-941-2595
 CRS#05VR353Y

Altitude (Feet)	Error (+ / - Feet)
-1000	-20
0	-20
500	-20
1000	-20
1500	-25
2000	-20
3000	-20
4000	-20
6000	-40
8000	-60
10000	-70
12000	-80
14000	-90
16000	-80
18000	-70
20000	-60
22000	
25000	
30000	
35000	

CARRIED FORWARD

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

SIGNATURE

LICENCE NUMBER

Diamond DA40
S/N: 40041

N541DS
08-16-07

Hobbs: 558.3

Completed the following Maintenance:

1. Serviced Main Tires to 36 PSI and Nose Tire to 29 PSI.
2. MSB40-03013 was previously complied with on 05-14-07, tach time of 394.1 by replacing the Fuel Selector Shaft with P/N D41-2823-20-00. No further action is required.
3. AD 2007-11-12 does not apply due to the installed fuel selector P/N D41-2823-20-00 Rev A.

Modern Aero, Inc.
14801 Pioneer Trail
Eden Prairie, MN 55347

WO# 35348 Date: 08-16-07 CRS MZER198L

----- End -----

Diamond DA40
S/N: 40041

N541DS
12-07-07
S/N: L-29410-51A

Hobbs: 612.6
Tach: 500.7

Completed the following Maintenance:

1. Drained the engine oil and obtained a sample. Removed, cut open, and inspected the Oil Filter, no defects noted. Installed a new Oil Filter (P/N: CH48110-1) and serviced the engine with 8 quarts of Aeroshell 15W50 Oil. Run-up and leak check were satisfactory.

Modern Aero, Inc.
14801 Pioneer Trail
Eden Prairie, MN 55347
WO# 35610 FAA CRS # MZER198L

----- End -----

Diamond Aircraft Industries, Inc.
1580 Crumlin Sideroad, London, Ontario N5V 1S2

R&O Form #20
D.O.T. APPROVAL NO. 161-93

Nomenclature TOW BAR
 Manufacturer D41 Type/Model _____
 Part No. D41-0910-00-00 Serial No. _____
 Total Time 367 HRS Work Order RO-04-069
 Overhaul Repair Modification Removal
 Previous Certification: N278DS 40278

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

28 JUNE 04 [Signature]
Date Name of Authorized Inspector Lic. No. Stamp
(DA R012)

DETAILS OF OUTSTANDING WORK AND OTHER INFORMATION ON REVERSE

Maintenance Release

The Aircraft, Airframe, Engine, Propeller, Appliance, Radio or Instrument was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and with respect to the work performed is approved for return to service by Modern Aero, Inc. FAA CRS #MZER198L

Authorized By [Signature] 35610
Work Order

Date: 12/2/07 N# 541 DS Acft Hrs: 612.6

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.	
BROUGHT FORWARD					

MAKE: Diamond
 MODEL: DA-40
 S/N: 40041
 REG. NO: 541DS
 WORK ORDER:
 2071-05-2008

Premier Aircraft Service, Inc.
 5540 NW 23rd Avenue Hanger 14
 Fort Lauderdale, FL 33309
 Phone (954) 334-2393

DATE: 5/28/2008
 A/C TSN 544.7
 TACH 544.7

Airframe Entries

REINSTALLED RIGHT WING TIP AND NOSE WHEEL PANT AFTER REPAIR AND PAINT... C/W AD 2007-17-06 BY INSPECTION OF NOSE LANDING GEAR. NO DEFECTS NOTED NEXT INSPECTION DUE IN 200 HOURS.... INSTALLED NEW LANYARDS ON BOTH LF AND RT FUEL CAPS.... REMOVED AND REPLACED NOSE GEAR SHOCK DISCS WITH NEW AS REQUIRED.... C/W 100HR INSPECTION ON THIS AIRFRAME IAW FAR 43 APPENDIX d AND DIAMOND M/M CH 5 100 HOUR INSPECTION GUIDE CHAPTER 5.C/W FAR 91.207 d ELT INSPECTION AND FUNCTIONAL CHECK.

A&P 2773237
 MECH JON RANNEY

SIGN: 

I CERTIFY THIS AIRCRAFT HAS BEEN INSPECTED IAW AN ANNUAL INSPECTION AND FOUND TO BE IN AIRWORTHY CONDITION ON THIS DATE. APPROVED FOR RETURN TO SERVICE. THIS RELEASE IN NO WAY CERTIFIES FUTURE AIRWORTHINESS

DATE: 5/28/2008

SIGNED: 

Work Order: 2071-05-2008

Jack Wesley Dale, IA 456967085

Printed by EBis 3 (datcomedia.com)

CARRIED FORWARD

ENGINEERING RECORD

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

SIGNATURE

LICENCE NUMBER

LOGBOOK ENTRY: DA 40 N541DS H0385 791.1
 THE STATIC PRESSURE SYSTEM, TRANSPONDER WITH ALTITUDE REPORTING WAS IDENTIFIED TESTED AND INSPECTED I/A/W FAR43 APPENDIX E, PAR A & C, APPENDIX F (FAR91.413) AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THIS TEST IS ON FILE AT THIS REPAIR STATION UNDER W.O. 9184 DATE Jan 22, 09

SIGNATURE Mark B. Alcandria INSP. (MBA)

TROPIC RADIO INC. 2695 N.W. 56th ST. HANGER 53-A
 FT. LAUDERDALE FL. 33309 FAA APPROVED REPAIR STATION # RZ4R510M
 FT. LAUDERDALE EXECUTIVE AIRPORT *ARCHER RAMP*
 TELEPHONE # 954-776-4030 WWW.TROPICRADIO.COM

*Replaced blind encodr with new
 ALK 30 S/N 114698 and performed correlation test*

LOGBOOK ENTRY: DA-40 N541DS H0385 841.3
 THE STATIC PRESSURE SYSTEM, TRANSPONDER WITH ALTITUDE REPORTING WAS IDENTIFIED TESTED AND INSPECTED I/A/W FAR43 APPENDIX E, PAR A & C, APPENDIX F (FAR91.413) AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THIS TEST IS ON FILE AT THIS REPAIR STATION UNDER W.O. 9188 DATE JUNE 1, 2009

SIGNATURE Mark B. Alcandria INSP. (MBA)

TROPIC RADIO INC. 2695 N.W. 56th ST. HANGER 53-A
 FT. LAUDERDALE FL. 33309 FAA APPROVED REPAIR STATION # RZ4R510M
 FT. LAUDERDALE EXECUTIVE AIRPORT *ARCHER RAMP*
 TELEPHONE # 954-776-4030 WWW.TROPICRADIO.COM

*GTX 330 S/N 84100530
 ACK 30 S/N 114688*

CERTIFICATION EXPIRES



TROPIC RADIO INC.

2695 N. W. 56TH ST. HANGER 53-A
 FT. LAUDERDALE, FL 33309

FAA APPROVED REPAIR STATION #RZ4R510M
 FT. LAUDERDALE EXECUTIVE AIRPORT *ARCHER RAMP*

PHONE: 954-776-4030



Make and Model UNITED ALTIMETER
 Part No: 5934PD-3 Serial No: 417566
 Customer: PREMIER A/C Sales
 Inspected By: (MBA) Date: JUNE 1, 2009
 The component identified above was inspected and functional tested in accordance with current Federal Aviation Regulations and was found Airworthy for Return to Service. Altimeter Calibrated to 20,000 Ft. I.A.W. FAR PART 43, APP E, (b) (FAR 91.411) Pertinent details of this inspection are on file at this Agency under Work Order # 9188
 Authorized Representative Mark B. Alcandria
 Date JUNE 1, 2009

SERVICEABLE

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.	

**BROU
FORW**

MAKE: Diamond
MODEL: DA-40
S/N: 40041
REG. NO: 541DS
WORK ORDER:
2993-05-2009



Premier Aircraft Service, Inc.
5540 NW 23rd Avenue Hanger 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2393

DATE: 6/3/2009
A/C TSN: 693.1
TACH: 693.1

Airframe Entries

REPLACED FLAP UP POSITION LIGHT BULB. OPS CHECKED GOOD.... REPAIRED CO-PILOTS AIR VENT. OPS CHECKED GOOD.... REPLACED RH STROBE LIGHT BULB AND CONNECTOR ASSY. OPS CHECKED GOOD.... SAFETY WIRED EMERGENCY EXIT WITH BREAK AWAY WIRE... SAFETY WIRED EMERGENCY BATTERY GUARD SWITCH.... REPLACED RH AND LH AILERON ATTACHING HARDWARE WITH NEW AS REQUIRED... TIGHTENED PILOT MAP LIGHT WIRES. OPS CHECKED GOOD.... REPLACED LEFT AND RIGHT STORM WINDOWS SEAL WITH NEW AS REQUIRED... REPLACE LH AND RH MAIN TIRES WITH NEW CONDOR 600-6-6 TIRES AS REQUIRED.... DISASSEMBLED, CLEANED AND REASSEMBLED NOSE GEAR BUSHING. OPS CHECK GOOD.... REPLACED ELT CASE AND BATTERIES. NEW EXP DATE JUN 2011... LUBED AND ADJUSTED ROD BOOTS FOR AILERON PUSH ROD TUBES UNDER BACK SEAT.... RE GLUED WIRE STAND OFF BY LH FUEL DRAIN... REPLACED LH AND RIGHT FLAP ATTACHING HARDWARE WITH NEW AS REQUIRED... CLEANED ELEVATOR TRIM FRICTION BLOCK AS REQUIRED.... REPAIRED, CLEANED AND LUBED CABIN DOOR LATCH.... C/W AD 2007-17-06 NOSE GEAR PIVOT AXLE INSPECTION IAW DIAMOND MSB40-046. NO DISCREPANCIES NOTED. NEXT DUE IN 200 HRS OR NEXT ANNUAL... C/W DIAMOND MSB 40-054/1 RE INFORCEMENT OF PITOT, STATIC AND STALL WARNING LINE INSTALLATION.... REPLACED LF MLG TIRE TUBE WITH NEW AS REQUIRED.... C/W 100 HR INSPECTION ON THIS AIRFRAME IAW FAR 43 APPENDIX d AND DIAMOND M/M CH 5 100 HOUR INSPECTION GUIDE CHAPTER 5.C/W FAR 91.207 d ELT INSPECTION AND FUNCTIONAL CHECK.

A&P # 2761974
MECH: ADRIAN ARIAS
SIGN: *[Signature]*

I CERTIFY THIS AIRCRAFT HAS BEEN INSPECTED IAW AN ANNUAL INSPECTION AND FOUND TO BE IN AIRWORTHY CONDITION ON THIS DATE. APPROVED FOR RETURN TO SERVICE. THIS RELEASE IN NO WAY CERTIFIES FUTURE AIRWORTHINESS

DATE: 6/3/2009

SIGNED:

[Signature]

Work Order: 2993-05-2009

Printed by EBis 3 (datcomedia.com)

JONATHAN RANNEY, IA: 2773237

MAKE: Diamond
MODEL: DA-40
S/N: 40041
REG. NO: 541DS
WORK ORDER:
3045-06-2009



Premier Aircraft Service, Inc.
5540 NW 23rd Avenue Hanger 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2393

DATE: 6/25/2009
A/C TSN:
TACH:

Airframe Entries

INSTALLED NEW SEALED LEAD ACID AIRCRAFT BATTERY P/N RG24-15M S/N 40311199, S/N 40311199. OPS CHECK NORMAL.

This aircraft/engine is approved for return to service with reference to work performed on this W/O on this date. THIS RELEASE IN NO WAY CERTIFIES FUTURE AIRWORTHINESS.

DATE: 6/25/2009

SIGNED:

[Signature]

Work Order: 3045-06-2009

Printed by EBis 3 (datcomedia.com)

JONATHAN RANNEY, A&P: 2773237

Florida Flight Maintenance, Inc.
160 E. Airport Ave
Venice, Florida 34285
941-485-1149

N541DS TACH

718.7

Right main tire and wheel assy. Removed, disassembled, cleaned and inspected. Repacked wheel bearings with Aeroshell 22. Reassembled wheel assy with same tire and replaced inner tube with new tube size 6.00X6 Remstalled on axle and Safetied.

[Signature]

AP 3387615

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

SIGNATURE

LICENCE
NUMBER

MAKE: Diamond
MODEL: DA-40
S/N: 40041
REG. NO: 541DS
WORK ORDER:
3158-08-2009



Premier Aircraft Service, Inc.

5540 NW 23rd Avenue Hanger 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2393

DATE: 8/24/2009
A/C TSN: 731.5
TACH: 731.5

Airframe Entries

SERVICED BRAKE RESERVOIR. REPLACED LEFT AND RIGHT MAIN BRAKE PADS WITH NEW. OPS CHECK NORMAL.

This aircraft/engine is approved for return to service with reference to work performed on this W/O on this date. THIS RELEASE IN NO WAY CERTIFIES FUTURE AIRWORTHINESS.

DATE: 8/24/2009

SIGNED:

Work Order: 3158-08-2009

JONATHAN RANNEY, A&P: 2773237

Printed by EBis 3 (datcomedia.com)

ASSC 


Aviation Specialty Services Corp.
Tel:954-816-7399 Fax:954-792-2516 afmohamed@hotmail.com
03-11-2010 N541DS Diamond DA-40 S/N: 40-041 TACH: 820.6 HM: 991.0

Airframe:

Replaced left main wheel inner tube, owner provided P/n: 092-315-0 size 17.5x6.25+6.00-6 due to original tube having pin hole. Inspected inner and outer surfaces of tire O.K. Serviced all tire pressures. Installed 5 amp circuit breaker P/n: 7277-2-5 in new circuit for 28V power outlet on co-pilots panel in existing hole. Capped off original wires powering power outlet. Ops tested O.K. I certify, with respect to the work accomplished above, that this aircraft is approved for return to service.


Ameer F Mohamed
A&P 3270645

AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD					<p>NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE</p>
					 <p>ASSC Aviation Specialty Services Corp Tel: 954-816-7399 Fax: 954-792-2516 afmohamed@hotmail.com 07-01-10 N541DS DIAMOND DA-40 S/N: 40-041 ACTT: 859.1 TACH: 859.1 H.M: 1036.7</p>
					<p>AIRFRAME: Checked required placards and ARROWE documents.. ELT inspected IAW FAR 91.207(d). Batteries replaced Duracell P/n: MN-1300, next due replacement 07-2011. FAR 91.411 & 91.413 next due 06-01-2011. AD's researched through FAA Issue 2010-13. AD 09-10-04 PCW by AD 07-17-06 on 06-03-2009 @ ACTT 693.1, next inspection due IAW MSB40-046/3 at ACTT 893.1. Cleaned fuel strainer. Cleaned & repacked all wheel bearings. Replaced left landing light bulb P/n: 01-0770346-05. Cleaned air inlet filter and re-oiled. I certify this AIRCRAFT has been inspected in accordance with a 100 hour/ANNUAL INSPECTION within the scope & detail of FAR 43 App D and Diamond DA-40 series M.M. Section 05-20-00 inspection outline and was determined to be in AIRWORTHY CONDITION</p>
					<p style="text-align: center;"><i>Ameer F Mohamed</i> Ameer F Mohamed A&P 3270645 IA</p>

The H Company
 1900 Cardiff Rd.
 Brookshire, TX 77423
 Mar 24, 2011

N541DS Diamond DA40 S/N 40.041 Hobbs 1148.4

Replaced fuel boost pump P/N 5100-00-9 Run up, leak and ops check OK. This aircraft approved for return to service.

Scott J. Caggiano
 Scott J. Caggiano AP 457571943

The H Company
 1900 Cardiff Rd.
 Brookshire, TX 77423
 Mar 24, 2011

N541DS Diamond DA40 S/N 40.041 Hobbs 1148.4
 Lycoming IO-360-M1A S/N L-29410-51A

Drained oil, removed filter, cut filter (no contaminants found), replaced filter P/N CH48110, serviced with 8 qts Aeroshell W100. Run up, leak and ops check OK. This aircraft approved for return to service.

Scott J. Caggiano
 Scott J. Caggiano AP 457571943

1. Approving National **2.** AUTHORIZED RELEASE CERTIFICATE
 Aviation Authority/Country: FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG
 FAA/United States

3. Form Tracking Number: R87735
 4. Organization Name and Address: DUKES AEROSPACE, INC. CERTIFICATE NO. 1DUR590B 9060 WINNETKA AVE. NORTHBRIDGE, CA 91324-3293 Phone: 818/998-9811
 5. Work Order/Contract/Invoice Number: 60645

6. Item	7. Description	8. Part No.	9. Eligibility*	10. Qty.	11. Serial/ Batch No.	12. Status/Work
1	FUEL BOOST PUMP	5100-00-9	N/A	1	8143B	OVERHAULED

13. REMARKS: UNIT FUNCTIONS PER ATP 5100-04-9 REV. "C". TSN UNK. THE TEARDOWN REPORT # R87735 DESCRIBING THE ACTUAL WORK PERFORMED IS ATTACHED. THE PRESCRIBED WORK WAS PERFORMED IN ACCORDANCE WITH FAA APPROVED DATA. DUKES AEROSPACE, INC. CERTIFIES THAT THE WORK SPECIFIED IN BLOCKS 12 & 13 WAS PERFORMED IN ACCORDANCE WITH EASA IMPLEMENTATION RULE PART 145, AND WITH RESPECT TO THAT WORK, THE AIRCRAFT COMPONENT IS CONSIDERED READY FOR RELEASE TO SERVICE UNDER EASA APPROVAL NUMBER EASA.145.4391 **60645**
 OVERHAULED/REPAIRED IN ACCORDANCE WITH DUKES 5100-SERIES
 CMM REVISION 1 DATED FEB/28/2010.

14. Certifies the items identified above were manufactured in conformity to:
 Approved design data and are in condition for safe operation.
 Other regulation specified in Block 13.
 Non-approved design data specified in Block 13.

15. Authorized Signature: _____
 16. Approval/Authorization No.: _____
 17. Name (Typed or Printed): _____
 18. Date: (m/d/y) _____
 19. Authorized Signature: *mandel*
 20. Name (Typed or Printed): MANDEL, GENE CHIEF INSPECTOR
 21. Approval / Certificate No.: 1DUR590B
 22. Name (Typed or Printed): _____
 23. Date: (m/d/y) FEB/15/2011

It is important to understand that the existence of this document does not automatically constitute authority to install the part/component/assembly. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1. Statements in Block 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

TOTAL TIME SINCE MFG. MIN. HRS. MIN.
 NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
 SOUTH CENTRAL AVIATION SERVICES
 CR#9599R372B
 Performed tests required by CFR 91.411 & 91.413 IAW
 Form 44-217.

Shipment Number: SH115162

Shipment Date: 05/26/11

Page: 1

Ship To: The H. Company
 1900 Cardiff Rd.
 Brookshire, TX 77423
 USA
 Attn Scott

Customer ID C10322
 P.O. Number RUSSELL 5-25
 P.O. Date 05/25/11
 Our Order No. SD103280
 SalesPerson David Stollar

SOUTHWEST TEXAS AVIATION, INC.
 15 Airport Dr.
 San Marcos, TX 78666
 Attn: Russell P. Stallings

Order No. 138048400RT0001
 Description: Free on Board London

Shipping Agent: UPS
 Tracking No. 1Z4R6V856860319131

Description	Unit	Ordered	Shipped	Back Ordered
070-KIT Retrofit Retaining Bracket Installation--AC40.201--40.766	EACH	1		1
0 AFM Manual, Flight, DA40-180 AFM	EACH	1	1	
Sales, Shipping - USA 1Z4R6V856860319131		1	1	

DISTRIBUTOR'S RELEASE CERTIFICATION

I HEREBY CERTIFY THAT THE AIRCRAFT PARTS DESCRIBED
 HEREIN WERE ACQUIRED FROM A SOURCE OF SUPPLY THAT IS
 CONSISTENT WITH THE CONDITIONS UNDER WHICH DOT
 DISTRIBUTOR APPROVAL HAS BEEN GRANTED

DATE: 5-26-11 DA RDR 18 

AUTHORIZED INSPECTION. DOT APP NO. 161-93

TEST	PT (FT)
30.000	
35.000	
40.000	
45.000	
50.000	
55.000	
60.000	
70.000	
80.000	

ON ACCOMPLIS
 REPLACE 2/4/04

ENGINEERING RECORD



CRS#9S9R372B

Performed tests required by CFR 91.411 & 91.413 IAW

CFR 43 appendix E & F and CFR 91.217.

Tested to 20K Register# N541DS

WO# 1522 Signed Re

Date 03/22/2012

System #1 Next date 3/2014

ME COLUMNS.	SIGNATURE	LICENCE NUMBER

N541DS ALTIMETER SCALE ERROR					
PART NO. 417566			PART NO.		
ALTIMETER PRESSURE					
TEST PI (FT)	INDICATOR READINGS AT +25 C	TEST PI (FT)	INDICATOR READINGS AT +25 c	TEST PI (FT)	INDICATOR READINGS AT +25 C
-1,000	-10	8000	-40	30,000	/
0	0	10,000	-40	35,000	
500	-10	12,000	-40	40,000	
1000	+10	14,000	-60	45,000	
1500	-15	16,000	-50	50,000	
2000	+0	18,000	-50	55,000	
3000	+5	20,000	-10	60,000	
4000	-10	22,000		70,000	
6000	-20	25,000		80,000	

03/20/2012 TACH 1089.8 ACTT 1089.8 COMPLETED ANNUAL INSPECTION AS PER DIAMOND SERVICE MANUAL AND INSTRUCTION FOR CONTINUED AIRWORTHINESS IN SECTION 4. AND THE SCOPE AND DETAILS OF FAR 43.13 APPENDIX D. OPENED ALL INSPECTION PANELS AND REMOVED ALL INTERIOR. REPLACED ALL RUDDER CABLES WITH KIT CSKIT-04. REPLACED NOSE GEAR FORK PN# D44-3223-30-00-1. REPLACED NOSE GEAR RUBBER DAMPER 5 EACH PN# DA4-9032-23-01 AND ONE DA4-9032-23-02. REPLACED REAR CABIN DOOR ACTUATOR PN# 200-1-425-WG18-400N. COMPLIED WITH MSB-40-064 BY REPLACING EMERGENCY ACTUATION LEVER WITH KIT MSB-40-067-KIT. COMPLIED WITH MSBD4-046/3 NOSE GEAR INSPECTION, BY INSPECTION NEXT DUE @ 1289.8 NOT ANNUALLY. REPLACED EMERGENCY BACK UP BATTERIES INSPECTION NEXT DUE @ 03/19/2013. INSPECTED ELT AS PER FAR 91.207 FUNCTION TEST GOOD. REPLACED ELT BATTERIES NEW DUE DATE MARCH 2018. REPLACED ALTERNATOR PN# ALU8521LS. REPLACED ALTERNATOR BELT S1597-1-37.5. THIS AIRCRAFT WAS FOUND IN AN AIRWORTHY CONDITION WITH THE EXCEPTION THAT MSB-40-058 BY INSTALLATION OF 100 OHM RESISTOR CIRCUIT BOARD HAS NOT BEEN ACCOMPLISHED. THE OWNER HAS BEEN MADE AWARE OF THIS. THE PART IS ON ORDER AND WILL BE DELIVERED TO THE OWNER. ONCE THIS IS INSTALLED THE AIRCRAFT WILL BE APPROVED FOR RETURN TO SERVICE. COMPILED AD QUICK REFERENCE LIST SEE FOR DETAILS.

A&P IA 3410335
PHILLIP LEEDER

- MSB 40-02 N/A BY SN#
- MSB 40-007/4 & MSB 40-033 EXHAUST INSPECTION. ACCOMPLISHED @ 1089.8 NEXT DUE @ 1139.8
- MSB 40-09 N/A GENERATOR NOT INSTALLED.
- MSB 40-012 N/A BY SN# BUT MIXTURE CABLE REPLACE 2/4/04
- MSB 40-018/1 N/A AUTO PILOT NOT INSTALLED
- MSB 40-026/1 N/A AUTO PILOT SERVOS NOT INSTALLED
- MSB 40-030/3 FUEL SHAFT REPLACED 5/14/07 BY MODERN AERO CRS MZER198L
- MSBD4-046/3 NOSE LANDING GEAR INSPECTION ACCOMPLISHED 1089.8 NEXT DUE @ 1289.8
- MSB-40-048/2 N/A BY SN#
- MSB 40-057/1 PITOT STATIC REINFORCEMENT P/C/W 6/3/09 BY JONATHAN RANNEY IA 2773237
- MSB-40-058 INSTALLATION OF 100 OHM RESISTOR ACCOMPLISHED 03/20/2012
- MSB 40-060/1 WING SPAR BOND INSPECTION N/A BY SN#
- MSB-40-064 NOT ACCOMPLISHED @ PRESENT. INSTALLATION OF KITMSB-40-067-KIT
- MSB 40-070/1 P/C/W 6/24/11

A&P IA 3410335

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					
3/20/2012	7	45	1089	8	C/W AD 2009-10-04 nose Landing Gear Inspection, NO CRACKS Found Air 3410335 Phil Lued

N #: 541DS	DATE: 4/19/2012	H.M. : 1310.0
S/N 40.041		
This is a permanent part of the Aircraft Records		
The following inspection, maintenance, repairs or replacements were accomplished.		
<ol style="list-style-type: none"> 1 Removed LH INCORRECT MAGNETO 4371 2 INSTALLED OSB40-027 SLICK START SYSTEM WITH MAGNETOS: LH 4347 S/N 12011377 AND RH 4370 S/N 12030177 3 INSTALLED SLICK START CONTROL MODULE 08-01000 S/N 12002932 4 INSTALLED SERVICE BULLETIN MSB-40-058, F4-014, 100 OHM RESISTOR ON AUX WIRE ON ALTERNATOR 5 INSTALLED WORK INSTRUCTION RSB 40-052, D4-069, F4-018 FIREWALL EDGE GUARDS 		
I certify this aircraft or component has been inspected & repaired in accordance with applicable F.A.R.'s and found to be in an airworthy condition. Approved for returned to service in accordance to work performed.		
A&P RANDALL WOOD 3251612		<i>Randall Wood</i>

N #: 541DS	DATE: 4/19/2012	H.M. : 1310.0
S/N 40.041		
This is a permanent part of the Engine Records		
The following inspection, maintenance, repairs or replacements were accomplished.		
<ol style="list-style-type: none"> 1 Removed LH INCORRECT MAGNETO 4371 2 INSTALLED OSB40-027 SLICK START SYSTEM WITH MAGNETOS: LH 4347 S/N 12011377 AND RH 4370 S/N 12030177 3 INSTALLED SLICK START CONTROL MODULE 08-01000 S/N 12002932 4 INSTALLED SERVICE BULLETIN MSB-40-058, F4-014, 100 OHM RESISTOR ON AUX WIRE ON ALTERNATOR 		
I certify this aircraft or component has been inspected & repaired in accordance with applicable F.A.R.'s and found to be in an airworthy condition. Approved for returned to service in accordance to work performed.		
A&P RANDALL WOOD 3251612		<i>Randall Wood</i>

Aerotech International, LLC 525 Airport Rd. Hangar A5 Hot Springs, AR 71913 XKWR110B
 LOG ID# 400 30-April-2012 WO# 1981/1 REF# 1981 HOBBS 1310.0
 N#41DS S/N 40041 DIAMOND/KATANA DA-40

Pg 1 / 1

ACTION: INSTALLED ASPEN EFD1000 PRO PFD IAW CURRENT MANUFACTURES I/M AND EFD1000 AML-STC.
 FOR FURTHER DETAILS SEE FAA FORM 337 DATED 04/30/2012 ON FILE AT THIS REPAIR STATION.
 FLIGHT TESTED GOOD.
 CUT INSTRUMENT PANEL OVERLAY FROM 0.040 ALUMINUM 2024T3, AND INSTALLED OVER EXISTING INSTRUMENT PANEL.
 ***** ITEM # 1981-2 INSTALL X VISION HID LIGHTS *****
 ACTION: INSTALLED X VISION HID LIGHTS IAW CURRENT MANUFACTURES I/M AND STC SA01782SE.

Signed *JR* 4-30-12
 JKWR110B JURGEN BOEHM Date

CARRIED FORWARD

ENGINEERING RECORD

INSPECTION, REPAIRS & REPLACEMENT

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

SIGNATURE

LICENCE NUMBER

DIAMOND DA-40 6/7/2012 N541DS

AIRCRAFT WAS SANDED AND REPAINTED WHITE
NEW D-CALS WERE INSTALLED

SNOW WHITE AF-401 DUPONT

Date: 6/7/2012 N541DS

Diamond DA-40

Removed seats, interior side panels, carpeting, side panels, headliner and all interior trim. Recovered and reinstalled all of the above using material conforming to FAR 25 (see flammability certificates attached to this log). Removed and reinstalled seat belts and shoulder harnesses. All work performed IAW Diamond DA-40 Maintenance Manual.

AP# 263489198





Certificate of Flame Resistance

This Certificate is issued to:

Hawk Aircraft Painting

Address: **9332 Vandenburg Airport Rd.**

City: **Tampa**

State: **FL.**

Zip **33610**

The *Universal Fire-Shield Product used:*

NS-2002 Universal Fabric Shield

UNIVERSAL FABRIC SHIELD NS-2002 FLAME RETARDANT

Class A, Meets NY-NJ Port Authority, Rhode Island, Boston, NFPA 701, Cal. Tech. 117-F

Meets or exceeds standards section 1237.1, Title 19 Public Safety Code California.

ASTM E-162, CFR 1632.4, (FF 4-72) FAR 25.853 (a&b)

This is to certify that the materials described have been flame-retardant treated and are inherently non-flammable. Article treated: **Carpet, 80 Sq. Ft.**

Recommendation: Fabric responds well to NS-2002 treatment. Heavy washing will remove flame safe properties. There is no known permanent fix for retardant on fabrics that require deep cleaning. A retreatment is recommended after deep cleaning or as required by your state.

Method of application: **2 coats**

Type of Material: **Nylon**

Name of Applicator(s): **Brian Hoover**

Witnessed by: **Monica Hoover**

**727-457-9023
5/15/2012**

**727-457-9023
5/15/2012**

**Approved application and issuing certificate of performance. Universal Fire Shield, LLC
DOCUMENTATION ON FILE.**

Certificate Issued: **06/22/2012** Classification:
NS-2002 Flame Retardant

Manufacturer's Control Number: **#186940**

Certified by: **Universal Fire Shield** Application Division

www.firechemicals.com * 863-667-1805 - 3544 Waterfield Pkwy - Lakeland, FL 33803 - USA

12 SECOND VERTICAL BURN TEST

Customer:	Coast to Coast Leather, Inc.	Test No.:	V09729
P. O. No.:	1231	Date:	03/20/09
Sys. Trck. Ref. #	Company Test	Work Order No.:	336

MATERIAL DESCRIPTION

TYPE:	Leather
PART NUMBER:	GL1060
COLOR:	Very Light Cashmere
BATCH/DYE LOT:	AC03
MFG OR VENDOR:	Coast to Coast Leather, Inc.

TESTING DATA

Conditioning Date:	03/19/09	Conditioning Time:	11:45 AM
Testing Date:	03/20/09	Testing Time:	1:33 PM

TEST RESULTS

Direction of Burn <input type="checkbox"/> WARP <input type="checkbox"/> FILL <input checked="" type="checkbox"/> N/A	After Flame Time (Seconds)	Burn Length (Inches)	Drippings (Seconds)
Specimen 1	0.3	0.2	0.0
Specimen 2	0.3	0.3	0.0
Specimen 3	0.3	0.2	0.0
AVERAGE:	0.3	0.2	0.0

COMMENTS:

THE ABOVE SPECIMEN: PASS FAIL

Tested in accordance with: Title 14 CFR, PART 25—Subpart D, § 25.853 (a) compartment interiors, [Amdt. 25-116, 69 FR 62788, Oct. 27, 2004] Appendix F to Part 25, Part I (a)(1)(ii) [Amdt. 25-111, Eff. 9/2/2003]. Flame is applied for 12 seconds. The test specimen must be self-extinguishing. The average burn length must not exceed 8 inches; the average after-flame time must not exceed 15 seconds; and flaming drippings must not continue to burn for more than 5 seconds after falling to the cabinet floor.

This test was conducted in accordance with the standard established by The Federal Aviation Administration, as described above. The material is not tested by any other standard. This test is limited only to the material herein above described and delivered for testing.

WITNESSED AND APPROVED BY:


 Ethel J. Dawson, General Manager

FORM NO. 111


12 SECOND VERTICAL BURN TEST

Customer:	Coast to Coast Leather, Inc.	Test No.:	V09735
P. O. No.:	1237	Date:	03/20/09
Sys. Trck. Ref. #	Company Test	Work Order No.:	342
MATERIAL DESCRIPTION			
TYPE:	Leather		
PART NUMBER:	EL297		
COLOR:	Saddle		
BATCH/DYE LOT:	AC10		
MFG OR VENDOR:	Coast to Coast Leather, Inc.		
TESTING DATA			
Conditioning Date:	03/19/09	Conditioning Time:	11:45 AM
Testing Date:	03/20/09	Testing Time:	1:55 PM
TEST RESULTS			
Direction of Burn <input type="checkbox"/> WARP <input type="checkbox"/> FILL <input checked="" type="checkbox"/> N/A	After Flame Time (Seconds)	Burn Length (Inches)	Drippings (Seconds)
Specimen 1	0.3	0.3	0.0
Specimen 2	0.3	0.3	0.0
Specimen 3	0.3	0.4	0.0
AVERAGE:	0.3	0.3	0.0
COMMENTS:			
THE ABOVE SPECIMEN: <input checked="" type="checkbox"/> PASS <input type="checkbox"/> FAIL			

Tested in accordance with: Title 14 CFR, PART 25—Subpart D, § 25.853 (a) compartment interiors, [Amdt. 25-116, 69 FR 6788, Oct. 27, 2004] Appendix F to Part 25, Part 1 (a)(1)(ii) [Amdt. 25-111, Eff. 9/2/2003]. Flame is applied for 12 seconds. The first specimen must be self-extinguishing. The average burn length must not exceed 8 inches; the average after-flame time must not exceed 15 seconds; and flaming drippings must not continue to burn for more than 5 seconds after falling to the cabinet floor.

This test was conducted in accordance with the standard established by The Federal Aviation Administration, as described above. The material is not tested by any other standard. This test is limited only to the material herein above described and delivered for testing.

WITNESSED AND APPROVED BY:


 Ethel J. Dawson, General Manager
 FORM NO. 111

ENGINEERING RECORD

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

SIGNATURE

LICENCE
NUMBER


N541DS

TACH: 1188.1

3-15-13


SMART
Avionics Inc.
FAA CRS ZV8R725X
398C South Ramona Road
Lebanon, PA 17042

Removed ACK E-01 ELT. Installed ACK E-04 S/N 5594, 406 ELT into the existing rack. Replaced the ELT Antenna. All wiring and the cockpit control are existing. ELT battery due date is: AUG 6, 2017.
Tested ELT good IAW FAR 91.207 (d).


David Fetterolf
Repairman 3590990

Shearer Aviation Services, Inc.
LOG ID# 2938 24-July-2013
N541DS S/N 40041 DIAMOND DA40

N541DS AIRFRAME
JULY 24, 2013 TACH 1241.6

REPLACED BRAKE LININGS BOTH MAINS. CONDITIONED NEW BRAKE LININGS. END.


A&P 171487058
A&P 171487058 Jeffrey Schwanger

AIR TIME AND

ENGINEERING RECORD

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

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

Shearer Aviation Services, Inc.
 LOG ID# 2535 06-July-2012
 N541DS S/N 40041 DIAMOND DA 40

Pg _____

N541DS AIRFRAME
 JULY 6, 2012 TACH 1121.5

CLEANED AND LUBRICATED BRAKE GUIDE PINS AND RECEPTICLES. INSTALLED WING WALK ON TOP OF LEFT AND RIGHT WINGS. END.

Jay Shearer A&P 167380884
 A&P 167380884 JAY SHEARER

Shearer Aviation Services, Inc. 398c S. RAMONA RD LEBANON PA 17042
 LOG ID# 2661 12-November-2012
 N541DS S/N 40041 ~~ASBESTOS~~ DA40
DIAMOND

Pg _____

N541DS AIRFRAME
 NOVEMBER 12, 2012 TACH 1173.7

REPLACED NOSE TIRE AND TUBE. NEW TIRE IS MCCREARY AIRHAWK 5.00 X 5, 6 PLY TIRE. BALANCED NOSE WHEEL ASSEMBLY. NOSE TIRE SN IS B3D44410. SERVICED NOSE TIRE PRESSURE. CHECKED AND ADJUSTED NOSE STEERING TENSION. END.

Jay Shearer A&P 167380884
 A&P 167380884 Jay Shearer

Shearer Aviation Services, Inc.
 LOG ID# 2792 20-March-2013
 N541DS S/N 40041 ~~ASBESTOS~~ DA40
DIAMOND

Pg _____

N541DS AIRFRAME
 MARCH 20, 2013 TACH 1188.1 TOTAL TIME 1188.1

CLEANED AND REPACKED WHEEL BEARINGS. CLEANED FUEL SUMP AND SCREEN. LUBED AIRFRAME. SERVICED BATTERY. REPLACED INDUCTION AIR FILTER WITH NEW FILTER. PRESSURE CHECKED FUEL SYSTEM FOR LEAKS. REMOVED MUD NEST IN TAIL TOP FORWARD AREA. SECURED ITEMS THROUGHOUT ENGINE COMPARTMENT. REPLACED MIXTURE CONTROL ATTACH BOLT AT SERVO END WITH COTTERED BOLT. REPLACED THROTTLE CABLE WITH NEW THROTTLE CABLE. REPLACED THROTTLE ATTACH BOLT AT SERVO WITH COTTERED BOLT AND THROTTLE ATTACH BOLT AT COCKPIT LEVER END WITH COTTERED BOLT. RIGGED AND CHECKED OPERATION OF THROTTLE CONTROL. INSTALLED BOOT ON LEFT MAG "P" LEAD AT MAG END. DRESSED AND PAINTED AREA OF ENGINE MOUNT TUBING TOP CENTER ABOVE OIL COOLER HOSE AREA. REPLACED BLAST DUCT TO MUFFLER. RESEALED BOTH PILOT'S TOE BRAKE CYLINDERS. REPAINTED FACE OF PROPELLER BLADES. TIGHTENED ALTERNATOR BELT AND RESAFETIED TENSION BOLT. REPLACED ALTERNATE AIR CONTROL CABLE ATTACHMENT SCREW AT COCKPIT LEVER AND ADJUSTED ALTERNATE AIR CONTROL AT AIRBOX. CHECKED OPERATION AND TRAVEL OF ALTERNATE AIR SYSTEM. REPLACED LEFT MAIN TIRE WITH NEW GOODYEAR FLIGHT CUSTOM III 6.00 X 6 PLY TIRE SN 21122106. SERVICED ALL TIRE PRESSURES. CHECKED NOSE GEAR PIVOT TENSION. RELINED LEFT BRAKES AND CONDITIONED NEW BRAKE LININGS. CW AD 84-26-02 BY REPLACEMENT OF INDUCTION AIR FILTER. CW AD 2009-10-04 BY INSPECTION AND NO CRACKS NOTED. CW YEARLY ELT INSPECTION IAW FAR 91.207D.OPS CHECKED OK. ELT BATTERY REPLACEMENT DUE DATE IS AUGUST 2016. END.

Jay Shearer A&P 167380884
 MARCH 20, 2013 TACH 1188.1 TOTAL TIME 1188.1

I CERTIFY THAT THIS AIRCRAFT WAS INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. END.

Jay Shearer A&P 167380884
 A&P 167380884 JAY SHEARER

AIR TIME AND

ENGINEERING RECORD

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

Pg _____

DATE

DAILY TOTAL

TOTAL AIR TIME SINCE MFG.

Shearer Aviation Services, Inc.
LOG ID# 3146 01-March-2014
N541DS S/N 40041 DA40

N541DS AIRFRAME
MARCH 1, 2014 TACH 1300.5 TOTAL TIME 1300.5

CLEANED AND REPACKED WHEEL BEARINGS. CLEANED FUEL SUMP AND SCREEN. LUBED AIRFRAME. SERVICED INDUCTION AIR FILTER. SERVICED BATTERY. RESEALED BATTERY LID. SECURED #3 CHT PROBE WIRE. SERVICED TIRE PRESSURES. LOWERED EXHAUST SYSTEM AND INSPECTED EXHAUST SYSTEM AND REASSEMBLED EXHAUST SYSTEM AND LUBED SLIP JOINTS AND REINSTALLED EXHAUST USING NEW MANIFOLD GASKETS. REPLACED EXHAUST TAILPIPE RUBBER HANGAR. SECURED #1 TANIS CYLINDER HEATER PROBE. CW YEARLY ELT INSPECTION IAW FAR 91.207D. OPS CHECK OK. ELT BATTERY REPLACEMENT DUE DATE IS AUGUST 6, 2017. LUBED ENGINE CONTROLS. REINSTALLED LOOSE NUT PLATE ON AFT INBOARD AREA OF RIGHT WHEEL PAINT. PRESSURE CHECKED FUEL SYSTEM FOR LEAKS. CW AD 2009-10-04 BY INSPECTION AND NO CRACKS NOTED. END.

Jay Shearer PP 167380884

MARCH 1, 2014 TACH 1300.5 TOTAL TIME 1300.5

I CERTIFY THAT THIS AIRCRAFT WAS INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. END.

Jay Shearer PP 167380884
ASP167380884 JAY SHEARER

Registration: N541DS Date: 3-31-14

I certify the Transponder test and inspection required by FAR 91.413 IAW Part 43, Appendix F and the Altimeter and Static System test required by FAR 91.411 IAW Part 43, Appendix E have been performed. The Altimeter has been tested to 20,000 feet and results are on file under Work Order RS14-30.

Signature: *D. J. Fullerton*
SMART Avionics Inc

FAA Repair Station ZV8R725X

TACH: 1305.3

CARRIED FORWARD

ENGINEERING RECORD

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

SIGNATURE

LICENCE
NUMBER

N541DS

Hobbs: 1608.7



4/24/14

RS14-51

Removed transponder. Installed loaner transponder P/N 011-00455-00 S/N 84115286. Performed xpdr cert good.

David Fetterolf
David Fetterolf
Repairman 3590990

Registration: N541DS

Date: 4-24-14

I certify the Transponder inspection and tests required by FAR 91.413 Appendix F were performed and results are on file under Work Order RS14-51.

Signature: *David Fetterolf*
SMART Avionics Inc.
FAA Repair Station ZV8R725X
Hobbs: 1608.7

Shearer Aviation Services, Inc.
LOG ID# 3210 29-April-2014
N541DS S/N 40041 DA40

N541DS ENGINE
APRIL 29, 2014 TACH 1319.4

REPLACED STARTER WITH REBUILT STARTER PN 149-24LS, SN F4L-280546. SEE ATTACHED 8130-3 FORM FOR STARTER REBUILT DETAILS. DRESSED SEVERAL STARTER RING GEAR TEETH. RAN AND CHECKED OPERATION OF STARTER. END.

Jay Shearer
A&P 167380884 JAY SHEARER

1057107 7-27-2014 1044 13194

1. Approving National Aviation Authority/Country
FAA/United States

2. **AUTHORIZED RELEASE CERTIFICATE**
FAA Form 8130-3 AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number:
13103003

4. Organization Name and Address:
Sky-Tec Partners, Ltd
350 Howard Clemmons Rd.
Granbury, Texas 76048 (PQ0852SW)

5. Work Order Contract Invoice Number:
13103003

6. Item	7. Description	8. Part Number	9. Eligibility*	10. Quantity	11. Serial/Batch Number:	12. Status: Work
1	STARTER	149-24LS	N/A	1	F4L-280546	See Block 13

13. Remarks
 ALTERED TO ORIGINAL PARTS SPECIFICATIONS IN ACCORDANCE WITH 14 CFR § 43.30j.

19. 14 CFR 43.9 Return to Service Other regulation specified in Block 13

Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work the items are approved for return to service

20. Authorized Signature: *Ken McDonald*

21. Approval Certificate No: **PQ0852SW**

22. Name (Typed or Printed): **Ken McDonald**

23. Date (m/d/y): **NOV 05 2013**

User/Installer Responsibilities:

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/assembly.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the Airworthiness Authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts part/components/assemblies from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

CITLIERE

AIR TIME AND

ENGINEERING RECORD

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

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

N541DS
Hobbs: 1321.7



FAA CRS ZV8R725X
398C South Ramona Road
Lebanon, PA 17042

5/9/14
RS14-51

Removed loaner transponder. Installed upgraded GTX330ES transponder p/n 011-00455-60 s/n 84108530. Perform cert.

David Fetteroff
David Fetteroff
Repairman 3590990

Registration: N541DS

Date: 5-9-14

I certify the Transponder inspection and tests required by FAR 91.413 Appendix F were performed and results are on file under Work Order RS14-51.

Signature: *David Fetteroff*
SMART Avionics Inc

Hobbs: 1321.7

Shearer Aviation Services, Inc.
LOG ID# 3278 09-June-2014
N541DS S/N 40041 DA40

N541DS ENGINE
JUNE 9, 2014 TACH 1331.3

DRAINED OIL. TOOK OIL SAMPLE. CHANGED OIL FILTER. ADDED SEVEN QUARTS AEROSHELL 15 W 50 OIL. WASHED ENGINE. RAN AND CHECKED OPERATION AND FOR LEAKS.

Jay Shearer
A&P 167380884 JAY SHEARER

CARRIED FORWARD

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

SIGNATURE

LICF
NO.

Shearer Aviation Services, Inc.
LOG ID# 3304 01-August-2014
N541DS S/N 40041 DA40

N541DS AIRFRAME
AUGUST 1, 2014 TACH 1364.3

CLEANED FUEL SUMP AND SCREEN. LEAK CHECKED FUEL SUMP. END.

Jay Shearer A&P 167380884
A&P 167380884 JAY SHEARER

Leading Edge Aviation, Inc.

3879 Old Easton Rd, Doylestown, PA 18901
(215)340-0707 fax (215)340-9795

N541DS 10/16/2014 Tach: 1399.6

Complied with AD 07-11-21 by inspection (fuel selector universal). Next due Tach: 1449.6.

Kurt Mollat
Kurt Mollat A&P 2733191A

MAKE Diamond
MODEL DA40-160
SN 40 041
REG NO N541DS
WORK ORDER
3672-11-2014



Advanced Lancaster LP
530 Airport Rd
Lititz, PA 17543
Phone 717-735-5179

DATE 12/19/2014
A/C TSN 14167
HOBBS 1745 5

Airframe Entries

Removed and replaced the rear passenger door hinges, primed and painted ... Removed and replaced the emergency back up batteries. Ops checked and safetied the switch.... Inspected the rear passenger door emergency handle for operation, and safetied the handle

Maintenance Release

The aircraft and/or component(s) on N541DS was repaired and inspected in accordance with the current rules and regulations of Title 14 of the Code of Federal Regulations. was found Airworthy and was returned to service

DATE 12/19/2014

SIGNED

Work Order: 3672-11-2014

Jonathan T. Milby, A&P: 2477163AP

Printed by EBis 3 (datcomedia.com)

1. Approving Civil Aviation Authority/Country

Transport Canada

AUTHORIZED RELEASE CERTIFICATE FORM ONE

4 Organizations Name and Address

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

6 Item

7 Description	8 Part Number	9 Quantity	10. Serial/Batch Number	11 Status/Work
1 Pax Door Hinge 1 (AFT) Replaces DA4-5221-25-00	DA4-5221-25-00_1	1	CS0707720-10000 (1)	NEW
2 Pax Door Hinge 2 (FWD)	DA4-5221-26-00	1	FRP0738417-10000 (1)	NEW

12 Remarks Customer Reference 5575

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

Approved design data and are in condition for safe operation

Non-approved design data specified in Block 12.

14a. CAR 571.10 Maintenance Release

Other regulations specified in block 12

Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12, has been performed in compliance with the *Canadian Aviation Regulations*

13b. Signature

13c. Approval Organization Number

DA /161-93

13d. Name

Ray Kolyn

13e. Date (dd/mm/yyyy)

01/Dec/2014

14b. Signature

14c. Approved Organization Number

14d. Name

14e. Date (dd/mm/yyyy)

30 Dec 2008 (Previously form 24-0078)

Installer Responsibilities

This certificate does not constitute authority to install.

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

Statements 13a or 14a do not constitute installation certification. In all cases, the aircraft technical record must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown

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.	

BF FC	WOLD AVIATION 2415 MILFORD SQUARE PIKE QUAKERTOWN, PA. 18951 1-12-15 HOBBS 1761.1 N-541DS REMOVED AND REPLACED BOTH BRAKE DISC AND ALL LININGS WITH NEW CLEVELAND PARTS PERFORMED HIGH SPEED TAXI. OPS CHECKED GOOD. A&P254881340 <i>Allen M. V. [Signature]</i>	
----------	---	--

WOLD AVIATION
 2415 MILFORD SQUARE PIKE
 QUAKERTOWN, PA. 18951
 215-536-9463

3-7-15 TACH 1433.8 TT 1433.8 HOBBS 1770.7 N-541DS
 ALL PANELS REMOVED AND AIRCRAFT THOROUGHLY INSPECTED. ALL CONTROLS LUBRICATED.
 SERVICED BATTERY, TIRES AND WHEEL BEARINGS. REMOVED AND REPLACED ALTERNATE
 AIR DOOR CABLE AND CABIN HEAT BOX DUCTING. ELT INSPECTED IN ACCORDANCE WITH FAR
 91.207 BATTERY EXP. **AUGUST 6, 2017**. CLEANED INDUCTION AIR FILTER. SERVICED BRAKE
 CYLINDERS WITH HYD. FLUID. C/W **AD 84-26-02** INDUCTION AIR FILTER BY INSPECTION,
 REPLACEMENT DUE TACH 1688.1 **AD 93-05-06** ACS IGNITION SWITCHES DUE TACH 2000.0
AD 07-11-21 UNIVERSAL JOINTS-SELECTOR AND THE FUEL VALVE P/C/W T-1399.6 DUE TACH
 2399.6 NEW PART HAS BEEN INSTALLED. **AD 09-10-04** NOSE LANDING GEAR LEG PIVOT AXLE
 DUE 3-2016 OR TACH 1500 **AD 14-13-08** FATIGUE STRENGTH-AFT MAIN SPAR DUE AT OR BEFORE
 TACH 2000.0 OR 8-27-23 WHICHEVER OCCURS FIRST. REPLACED #1 TANIS INTAKE BOLT
 HEATER. EMERGENCY BACK-UP BATTERIES P/C/W 12/19/14 ALL AD'S CHECKED THRU THIS
 DATE. **I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN
 ANNUAL INSPECTION AND WAS FOUND TO BE IN AIRWORTHY CONDITION. A&P254881340IA**
Allen M. V. [Signature]

	WOLD AVIATION 2415 MILFORD SQUARE PIKE QUAKERTOWN, PA. 18951 10-26-15 HOBBS 1909.1 N-541DS REMOVED AND REPLACED RIGHT MAIN TIRE, TUBE AND TAXI LAMP BALLAST. INSTALLED SHEEP SKINS SEAT COVERS. C/W LYCOMING MSB 342G SUPPLEMENT 2. BY INSPECTION. <i>Allen M. V. [Signature]</i> A&P254881340	
--	---	--

WOLD AVIATION
 2415 MILFORD SQUARE PIKE
 QUAKERTOWN, PA. 18951
 215-536-9463

3-25-16 TACH 1582.5 TT 1582.5 HOBBS 1962.8 N-541DS
 ALL PANELS REMOVED AND AIRCRAFT THOROUGHLY INSPECTED. ALL CONTROLS LUBRICATED.
 SERVICED BATTERY, TIRES AND WHEEL BEARINGS. REMOVED AND REPLACED ALL BRAKES
 AND AIRCRAFT BACK UP BATTERY'S. ROTATED LEFT MAIN TIRE. ELT INSPECTED IN
 ACCORDANCE WITH FAR 91.207 BATTERY EXP. **AUGUST 6, 2017**. CLEANED INDUCTION AIR
 FILTER. SERVICED BRAKE CYLINDERS WITH HYD. FLUID. C/W **AD 84-26-02** INDUCTION AIR
 FILTER BY INSPECTION, REPLACEMENT DUE TACH 1688.1 **AD 93-05-06** ACS IGNITION
 SWITCHES DUE TACH 2000.0 **AD 07-11-21** UNIVERSAL JOINTS-SELECTOR AND THE FUEL VALVE
 P/C/W T-1399.6 DUE TACH 2399.6 NEW PART HAS BEEN INSTALLED. C/W **AD 09-10-04** NOSE
 LANDING GEAR LEG PIVOT AXLE DUE 3-2018 OR TACH 1782.5 **AD 14-13-08** FATIGUE STRENGTH-
 AFT MAIN SPAR DUE AT OR BEFORE TACH 2000.0 OR 8-27-23 WHICHEVER OCCURS FIRST.
 CHECKED FUEL SCREEN IN GASOLATOR. ALL AD'S CHECKED THRU THIS DATE. **I CERTIFY
 THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION
 AND WAS FOUND TO BE IN AIRWORTHY CONDITION. A&P254881340IA**
Allen M. V. [Signature]

WOLD AVIATION

2415 MILFORD SQUARE PIKE
QUAKERTOWN, PA 18951

Invoice

Date	Invoice #
3/19/2016	195

Bill To
TOM BOWE

P.O. No.	Terms	Project

Quantity	Description	Rate	Amount
1	OIL FILTER	34.00	34.00
20	AEROSHELL OIL	8.50	170.00
4	CLEVELAND BRAKE LININGS	30.00	120.00
8	BRAKE RIVETS	0.50	4.00
1	CONSUMABLES	35.00	35.00
8	SPARK PLUG GASKET	1.00	8.00
1	CRUSHED GASKET	2.00	2.00
1	OIL KIT	35.00	35.00
1	BACK UP BATTERY	20.00	20.00
18	ANNUAL INSPECTION	85.00	1,530.00
1	R&R OIL AND FILTER	85.00	85.00
0.5	R&R BACK UP BATTERY	85.00	42.50
1	ROTATE LEFT TIRE AND R&R ALL BRAKES	85.00	85.00
1	C/W AD 09-10-04 NOSE GEAR	85.00	85.00

Thank you for your business.	Total	\$2,255.50
------------------------------	--------------	------------

--