LOGBOOK # 5

THE adlog™ AIRCRAFT MAINTENANCE RECORDKEEPING SYSTEM

AIRFRAME MAINTENANCE RECORDS

THE adlog T.M. AIRCRAFT MAINTENANCE RECORDKEEPING SYSTEM

AIRFRAME MAINTENANCE RECORDS

Log No. _____

Aircraft Registration No. 6203 X

Aircraft Mfg. AERO COMMANDER Model 500B Serial No. 1041-42

RT Engine Mfg. LYCOMING Model IO-540-B1A5 Serial No. L-327-48

LT Engine Mfg. LYCOMING Model IO-540-B1A5 Serial No. L-562-48

RT Propeller Mfg. HARTZELL Model ~~HC-A3XK2~~ HCA3VK2 Serial No. _____

Hub Design No. _____ Hub Serial No. AA89

Blade Design No. V8433-4 Blade Serial No's. A34981

A35492

A34543

LT Propeller Mfg. HARTZELL Model ~~HC-A3XK2~~ HCA3VK-2 Serial No. _____

Hub Design No. V8433-4 Hub Serial No. AA-90

Blade Design No. _____ Blade Serial No's. A36279

A36172

A36193

(All applicable information must be filled in)

AERO TECH PUBLICATIONS INC.
P.O. BOX 1178/FREEHOLD, N.J. 07728
(201) 462-5330

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DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
			TOTAL brought forward from previous page
3/1/94	5115.9	1255.2	Ran electrical check, cleaned fuel screens,
			lubed controls, greased landing gears, repacked all
			wheel bearings, cleaned elevator trim sending unit,
			replaced EIT Batt and operationally tested new batt.
			exp date Nov. 1995, removed and replaced tail strobe
			with new alike unit, replaced Left engine right cowl
			flap inboard hinge bracket, dissasembld cleaned and
			installed new seals in both brake master cylinders,
			replaced RT. main down lock switch, serviced
			hydralic fluid resivoir, see AD log for AD summary.
			I certify that this aircraft has been
			inspected in accordance with an annual inspection
			and was determined to be in airworthy condition.
			Mark Andignane
			IA 452157668
1-10-95	INSTALLED	STEC	SYSTEM 50 AUTOPILOT. INSTALLED
	52D136 DG	GYRO IN PILOT	POST PANEL MOVED EXISTING
	DG TO COPILOT	PANEL. ADDED	ADD ARTIFICIAL HORZ
	TO COPILOT	PANEL ADDED	SEPARATE INSTRUMENT FILTER BEHIND
	COPILOT	GYROS.	SEE 337 & W&B.
	T. Wilson	A370527735	
			SUB-TOTAL this page
			TOTAL—Carry forward to next page

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DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
			TOTAL brought forward from previous page
1-26-95	5145.3	HOBBS 1284.6	C/W SIB 210 FLAP MASTER Pulley AND
			CABLES N/A ON MASTER Pulley INSPECTION
			SHOWED CORRECT Pulley WAS IN PLACE
			C/W PART I INSPECTION ON FLAP CABLES
			PARS A + B THIS ALSO C/W AD 94-04-17
			FLAP CABLES AND Pulleys
			Jack D. Wilson A/P1839361
4-5-95	5172.8	1312.1	L&B AIRCRAFT SERVICED HOPPS SERVICED
			BATTERY ADJUSTED VACCUM SYSTEM ADJUSTED
			Fuel Flow RT ENG. CAB EGT System
			Replaced RT WINDSHIELD WITH SERVICEABLE
			UNIT C/W AD 82-7-3 HEATER DEPLY TEST
			This DATE C/W Lyc S/B 518A oil By-Pass valve
			LT & RT ENG "I CERTIFY THIS AIRCRAFT/ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A ~~100 HR.~~/ANNUAL INSPECTION AND FOUND AIRWORTHY. APPROVED FOR RETURN TO SERVICE. 4-5-95 TACH TIME: 1312-1 Jack D. Wilson ~~A&P 1839361~~ Jack D. Wilson A/P1839361 IA
5-5-95	5184.4	1326.7	INSTALLED SERVICEABLE BOOST PUMP
			RT ENG. Jack Wilson A/P1839361
			SUB-TOTAL this page
			TOTAL—Carry forward to next page

Page No. ______

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
7-6-96		**TOTAL** brought forward from previous page	
			Installed nose cone in AC with STC SA585SW
			Installed wing flap gap seals STC SA2903SW
			Installed tail cone STC# SA3476WE
			Installed Vertical tip assembly STC#SA3492WE
			Installed cockpit overhead windows STC#SA3516WE
			Installed whelen flashing light on Vertical Cap assembly
			#906033 in accordance with instruction form
			#7-27-87-1.
			Aircraft must be weighed for new Weight
			and Ballance. See 337 dated this date.
			William C Moore A+P 408565375
			Weight & Ballance located. Weight & ballance
			updated. William C. Moore A+P 408565375.

SUB-TOTAL this page

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ASSIGNMENT OF SPECIAL REGISTRATION NUMBERS

U.S. Department of Transportation
Federal Aviation Administration

Aircraft Make and Model: AERO COMMANDER 500-B

Serial Number: 500B-1041-42 0141106

Special Registration Number: N 558Z

Present Registration Number: N 8266

ICAO AIRCRAFT ADDRESS CODE
FOR N558Z = 51576503

AIRCENTER INC
1027 RIVER BEND RD
CHATTANOOGA TN 37419-1027

Issue Date: JULY 23, 1996

This is your authority to change the United States registration number on the above described aircraft to the special registration number shown.

Carry duplicate of this form in the aircraft together with the old registration certificate as interim authority to operate the aircraft pending receipt of revised certificate of registration. Obtain a revised certificate of airworthiness from your nearest Flight Standards District Office.

The latest FAA Form 8130-6, Application For Airworthiness on file is dated: MARCH 31, 1961

The airworthiness classification and category: STANDARD

INSTRUCTIONS:

SIGN AND RETURN THE ORIGINAL of this form to the Civil Aviation Registry, AFS-750, within 5 days after the special registration number is affixed on the aircraft. A revised certificate will then be issued. This authority is valid for 90 days from the issue date.

The authority to use the special number expires: JULY 23, 1997

CERTIFICATION: I certify that the special registration number was placed on the aircraft described above.

Signature of Owner: Gary L. Salberry

Title of Owner: President

Date Placed on Aircraft: 8-1-96

RETURN FORM TO:

Civil Aviation Registry, AFS-750
P.O. Box 25504
Oklahoma City, Oklahoma 73125-0504

AC Form 8050-64 **(5/95) Supersedes Previous Edition**

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TOTAL—Carry forward to next page

Page No. _____

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
		TOTAL brought forward from previous page	

Gray's Aircraft Refinishing, Inc.
P.O. Box 596
Ozark, AR 72949

AIRCRAFT TYPE: Aero Commander
"N" Number: N-55BZ

Stripped aircraft, epoxied primed. Aircraft refinished using the following Imron colors:

White: Jet Glow 570-535 Red: 77968
Beige: 78390
Greased gear, check balance and lubed controls.
Aicraft returned to service.

7/30/96
Date

Don Gray
A&P 412023444

03-07-97 REMAN INSTRUMENT PANEL USING ALL ORIGINAL MOUNTING INSTRUMENT PANEL IS CONSIDERED MINOR ALTERATION. PANEL CONSIST 2024 T3 ALUMINUM .090 EQUAL TO ORIGINAL. INSTALLED ARGUS-5000 MAP, WX10 & WDR 5000, GARMIN GPS150 STEC ST 180 HSI, KR87 RECEIVER ONLY ANTENNA WAS PREVIOUS MOUNTED, KW77 LOC/VOR CONVERTER, RSOC DATA SWITCH. REMOVED KX170B & KI214 ALSO EDO 520136 DG. SEE WEIGHT & BALANCE THIS DATE. ALTIMETER'S CERTIFIED PILOT 01-27-97, COPILOT 02-03-97 TRANSPONDER 02-03-97
T. M. C.R.S. TM8R76GJ

	SUB-TOTAL this page
	TOTAL—Carry forward to next page

Date: 03/08/97 Total Time 5,273.4 Hobbs 1,412.7

100 HR/Annual completed this date. Removed access panels & Interior, & replaced with complete new Interior using FAA approved Fabrics, see enclosed fire block documentation. Removed props, L/H & R/H for overhaul by Aviation Propeller Service. Re-install on aircraft, s/n AA-90 installed on L/H engine, s/n AA-89 installed on R/H engine. Removed both prop Governors for overhaul by Aviation Propeller Service. Re-install on aircraft, s/n 658743 installed on L/H engine, s/n 658742 installed on R/H engine. Replaced all passenger windows, pilot & co-pilot side windows & both windshields. Lubed & checked all cables, chains, pulleys, fairleads, turnbuckles & control surfaces I/A/W Aero Commander 500B maintenance manual, section II. Removed & replaced both landing gear actuators with servicable units on right side. Removed left hand outboard landing gear actuator & reseal. Re-sealed L/H & R/H main landing gear struts & serviced with MIL 5606 Hyd fluid & nitrogen. Serviced Hyd Reservoir. Serviced nose gear with MIL 5606 Hyd fluid & nitrogen. Treated Battery Box & surrounding area for corrosion. Installed new aircraft batteries. Install new wheel bearings. Installed Bonding Jumpers & Static Wicks on L/H & R/H Ailerons. Re-sealed all Wheel Brake Cylinders & bled brakes. Landing Gear retraction check, OK. Installed new battery pack in ELT & tested. Replaced seat rails & treated corrosion. Replaced all M/L/G actuator hoses. Replaced R/H brake hose. Installed Bracket Induction Filter L/H & R/H engines I/A/W STC instructions. Replaced left wing tip navigation light lens with serviceable unit. Replaced several screws on top of both wings that were rusted with new screws. Treated corrosion at base of hyd emergency shut off valve in left wheel well. Treated control cables in both wheel well areas for corrosion. Repaired front baffles behind both engines. Replaced cooling baffles on both engines with missing fasteners & repaired cracks.
Replaced intake hose to throttle body on left engine with new unit. Cleaned hyd residue from old leak in nose compartment in cabin area. Inspected left elevator trim tab & corrected any play. Replaced all cabin seat rail fasteners with new screws. Installed Sky-Tec Light Weight Starters L/H & R/H engines I/A/W Sky-Tec Dwg. instructions pertaining to STC # 00226 NY. Install Whelan Strobe power pack & wing tip units. Operation checks good. FAA form 337's filed for above installations. Weight & Balance & equipment list amended & entered into permanent aircraft records. Restored aircraft. AD 68-19-04 C/W at O/H, AD 75-12-89 R 3, Bob Weight C/W by inspection, next due at Hobbs reading 1,437.7, AD 94-04-13, Lower Front Spar Cap C/W by Dye penetrant inspection, next due at hobbs reading 1,912.7. AD 93-02-05 injector lines C/W by inspection. AD 94-04-17 P/C/W (flap master pulley & cable.) AD 73-06-02 Fuel Tank Cap O Ring C/W by inspection, AD 96-20-07 Janitrol Heater N/A by Model number.

I certify this aircraft has been inspected I/A/W a 100 hour inspection & is found to be Airworthy. OK for return to service. (END)

James E. Atlanfield A+P 2236188

TOTAL TIME 5273.4 TACH TIME 1412.7
I certify that This AIRCRAFT has been inspected I.A.W. a/an ANNUAL inspection and was found to be in an airworthy condition. All applicable AD'S c/w thru 96-20-7. 3-8-97

Jerry A. Knight
Jerry A. Knight
411680794 IA / A&P

	SUB-TOTAL this page
5273.4	**TOTAL**—Carry forward to next page

Page No.

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
	5273.4	1412.7	**TOTAL** brought forward from previous page
5/23/97			Tach 1444.1 Replaced L/H fuel BOOST pump. Installed repaired serviable "ADEL" fuel pump. P/N 55895-1, S/N E3556. Operational check normal. No leaks Barney Berard A&P 2061306
8-25-97	5324.6	1463.9	Perform 50hr Insp on landing gear, greased all fittings, Clean and repack all wheel bearings. Clean fuel screens by ultra sonic. Lubed all hinges and rod ends. Allen Roy A&P 1537888704
9/26/97	5339.0	1478.3	Swing Compass, Aligned HSI, made Compass correction CARD. Alpine Avionics AE2R687K
1-2-98	5371.7	1511.0	REMOVED FUEL SCREENS AND ULTRASONIC CLEANED RE-INSTALLED, LEAK CHECKED OKAY- COMPLIED WITH SERVICE BULLETIN NO. 227 DATED AUGUST 1, 1997 ENTITLED "INSPECTION AND MODIFICATION OF LOWER GEAR SCISSORS". Douglas Beckett A/P 2642982792
			SUB-TOTAL this page
	5371.7		**TOTAL**—Carry forward to next page

Page No.

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
			TOTAL brought forward from previous page
4/1/98	5398.5	1537.8	Annual inspection:
			Inspected Aircraft in accordance with MFG. instructions using Insp. Form 513A
			1. Replaced Rt. brake line (303 Hose & 491-4 Fittings.)
			2. Replaced LFT brake line (303 Hose & 491-4 Fittings)
			3. Replaced nose gear actuator Hoses 2 ea. (303 Hose & 491-4 Fittings)
			4. Replaced LFT Gear actuator Hose (303 Hose & 491-4 Fittings)
			5. Replaced LFT. gear nitrogen Hose (6790246-1834)
			6. Replaced Nose Steering Hoses 2 ea (303 Hose & 491-4 Fittings)
			7. Replaced Bungee's on LFT. & RT Gear 4 ea (9044)
			8. Replaced Seals in RT landing gear (147-R "O" Ring kit)
			9. Replaced Seals in nose gear (142-R "O" Ring kit)
			10. Replaced LFT. & RT. Air Filters (Bracket 151E)
			11. Repaired RT. Elevator Trim Jack
			12. Repaired LFT. Gear Rotator Torque Link by Replacing Torque Link Shaft (ED 12406-1)
			13 Repaired Nose Wheel Steering Actuator See AD listings.
			See Next Page
			SUB-TOTAL this page
	5398.5		**TOTAL**—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
			TOTAL brought forward from previous page
4/1/98	5398.5 ~~5398.5~~	1537.8 ~~1537.8~~	CONT FROM PREVIOUS PAGE: I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS FOUND TO BE IN AN AIRWORTHY CONDITION. THIS AIRCRAFT IS APPROVED FOR RETURN TO SERVICE. CL Grimsley AI 2191259
5-14-98	5414.0	Tach 1553.3	Replaced manifold ~~pr~~ pressure gauge. Unit O.H. by Centery Instrument Corp. on W.O. H9130, Dated 5-13-98. Ran engines. Operational checks normal. Unit P/N 6121, S/N 102564 Barney Bernard A&P 2061306
5-26-98	5421.0 Hobbs	1560.3	Removed and replaced dual manifold pressure guage. Installed two(2) in line filters. Ran-up engines and checked for operation. Clem Ray A&P 437988704
7-3-98	5427.6 Hobbs	1566.9	Repaired wires on R/H engine oil temp cannon plug. Repaired good. Clem Ray A&P 437988704
	5427.6		**SUB-TOTAL** this page
			TOTAL—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
			TOTAL brought forward from previous page
9-25-98	5455.2	1594.5 ~~1594.5~~	Perform 50hr Insp on air frame. Jacked A/C up, greased landing gear, remove wheel assy's and inspect brakes. Clean, inspect and repack main and nose wheel bearings. Reinstall wheel assy's and brakes. C/W AD 98-18-12 on engine driven fuel pumps. IAW SB #529. AD was not applicable due to dash # on pumps but checked any way. Torques were within limits specified. Clem Ray A&P 437988704
9-28-98	5464.5 ~~5446.4~~	1608.8	Removed and replaced Vacuum pump on R/H engine. Installed Rapco pump model 441CC-7 S/N 78791. Perform run-up and checked operation. Clem Ray A&P 437988704
10-8-98	5466.6	1608.9	BOOST Replaced R/H fuel pump. Pump S/N 55895-1 S/N 11296L. O.H by aircraft accessories (CRS #RV3R829L) Tasks, O.K. on W.O. RO1512 Dated 10-6-98. Operational check normal. No leaks. Barney Bernard A&P 2061306
			SUB-TOTAL this page
			TOTAL—Carry forward to next page

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DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
			TOTAL brought forward from previous page
1-3-2000			Tach 1611.8 Replaced ELT battery pack. ELT operational check normal. New Battery Due Date Oct/2001. Also replaced lower strobe bulb + all four landing gear bungees. Replaced bad rivets on upper R/H engine nacelle. Jacked aircraft + performed landing gear check. Landing gear Operational check normal. Filled hydraulic reservoir with fluid. C/W AD 75-12-09 R2 by Inspt. No cracks. Next Due 1636.8 hrs.
			I CERTIFY THAT THIS aircraft HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 hr INSPECTION AND WAS DETERMINED TO BE IN AN AIR WORTHY CONDITION Barney Bernard 1-3-2000 DATE A&P 2061306 TOT. TIME 5472.5 hr
			I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIR WORTHY CONDITION Don Brown 1/3/2000 DATE IA 439043269 TOT. TIME 5472.5 HRS
1-4-2000			SERVICE BULLETIN Nº 288 COMPLIED WITH N/A BY INSPECTION Pilot
1-4-2000			SERVICE BULLETIN Nº 225 COMPLIED WITH WHEN STRUTS REBUILT DURING ANNUAL INSPECTION 3-8-97 Pilot
7 MAR 2000			AIRFRAME HOBBS RE-CONNECTED TO AIR SWITCH ON RIGHT SIDE OF NOSE, AIRFRAME HOBBS LOCATED IN NOSE ELECTRONICS COMPARTMENT AIRFRAME HOBBS 6371 = engine hobbs 1619.6 = 5480.3 ~~5480.3~~
			SUB-TOTAL this page
			TOTAL—Carry forward to next page

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DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
3-6-01			**TOTAL** brought forward from previous page
			Hobbs 1677.2
			Hr. meter 682.0 Replaced main gear bungees, Nose wheel tire, Nose wheel tube, + both main tires. Packed all wheel bearings. Serviced blow down bottle. C/W AD 75-12-09 R2 by Inspt. No cracks. Next Due 707.0 hrs. ELT operational check normal. Battery Due Date Oct/2001. ~~Jacked~~ Jacked aircraft + performed landing gear check. Landing gear Operational check normal. Filled hydraulic reservoir ~~with~~ with fluid.
			I CERTIFY THAT THIS aircraft HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 hr INSPECTION AND WAS DETERMINED TO BE IN AN AIR WORTHY CONDITION Barney Bernard 3-6-01 DATE A&P 2061306 TOT. TIME 5537.9 hrs ~~5474.0~~ 5525.20 FLIGHT TIME
			I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIR WORTHY CONDITION Don Brown 3-6-01 DATE IA 439043269 TOT. TIME 5537.9 HRS ~~5479.0~~ 5525.20 FLIGHT TIME
7-24-01			Tach 1704.3 Installed repaired L/H fuel pump P/N 5895-1, S/N E355-G. Unit repaired by aircraft accessories (CRS # RV3R829L) on W.O. 1308, Dated 7-17-01. Operational check normal. Replaced "O" in Quick Drain. C/W Twin Commander SL 379 by inspection for leaks + corrosion. No leaks or corrosion. Barney Bernard A&P 2061306
			SUB-TOTAL this page
			TOTAL—Carry forward to next page

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DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

Coporate Air Technology
1250 Aviation Avenue, Suite 125
San Jose, California 95110
CRS AU3R384L

February 11, 2002 N55BZ Tach: Hobbs: 1738.4
Cycles: Total Time: 5586.0

ANNUAL INSPECTION COMPLETED,INSTALLED AIRCENTER,INC.EXHAUST DEFLECTORS PER STC#SA01820AT SEE 337 DATED 2/11/2002,FOUND AD75-12-09 REQUIRES NO FURTHER ACTION AND AD 01-17-13 N/A,ELT INSP PER FAR 91.207(d),ELT BATTERY REPLACED (next due@ 12-2003),C/W HEATER 100/500 HR INSP AND REPLACED FUEL FILTER,REPLACED MLG BUNGEE'S AND REBUSHED MLG SISSORS,REPLACED MAIN FUEL SCREENS,REPLACED RH ELEV TRIM ACTUATOR pn.2835YC,REPLACED NLG DRAG BRACE SUPPORT BKT pn.310054-45,INSTALLED NEW LDG HYD HOSES,RESEALED RH BRAKE CALIBERS,RESEALED RH FUEL SHUTOFF VALVE,PAINTED NOSE CONE,PARALLED ALTERNATORS,INSTALLED NEW HEATER SPARK PLUG,REPLACED PASSENGER AND BAGGAGE DOOR LOCK TUMBLERS.

I certify that this AIRFRAME has been inspected in accordance with a ANNUAL inspection and was determined to be in airworthy condition.
Work Order #: 18919

X _____
Corporate Air Technology CRS AU3R384L

2-4-02

Commander 500B
N55BZ

Complete Interior: All seats, side panels, carpets, headliner, and soundproofing. Seat belts rewebbed by Belt Makers, Inc.
Materials Used:
Leather: Schmidt America Co., Color-Natural 1500068.
Headliner fabric: G.Baker Steeves Corp, Pattern-Euro, Color-0501.
Carpet: A.I.P., Pattern-Extravagant, Color-New Koala.

GIOTTO'S AIRCRAFT INTERIORS
Hereby certify that the materials used in the upholstery confirm to F.A.A. specification: 25.853(B-3)
Certificate No: 1426586 AP & IA

Stanley F. Scolnik

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			TOTAL brought forward from previous page

Corporate Air Technology
1250 Aviation Ave. ste 125, San Jose, Ca, 95110, CRS AU3R384L
8/28/2002 Hobbs: 1842.2 TT: 5689.8 WO# 20020

Replaced right and left main gear bungee's (9044) w/new. Replaced right and left landing light lamps (4553) w/new. Dressed out minor scores in inner core assembly of main gear trunnions. Resealed right and left main gear struts, then serviced with MIL-5606, and nitrogen. Serviced air-conditioning system with R134 (1 lb.), operational check OK. Repaired rudder and elevator trim indicators as necessary. Checked rigging of elevator, and rudder system, both travel and indication. Replaced right throttle shaft rivets w/new. Replaced right main gear uplock switch (1EN1-6B) w/new, and checked rigging through several gear swings. OK for service.

James McCloud Corporate Air Technology CRS AU3R384L

Corporate Air Technology
1250 Aviation Ave. suite 125, San Jose Ca 95110
N55BZ 10/23/2002 Hobbs: 1859.6 AFTT: 5707.2

Replaced right side fuel boost pump with overhauled unit, PN# 55895-1, SN# 1070G (see Aircraft Accessories WO# 6369 dated 10-2-2002). Fuel system leak checked, and pump checked for proper operation. The above described repair or maintenance is certified airworthy and approved for return to service. A detailed record is on file under Work Order # **20307**

Signed _____
For Corporate Air Technology, CRS AU3R384L, Phone: 408-977-0990

Corporate Air Technology
1250 Aviation Ave. suite 125, San Jose Ca 95110
N55BZ 12/6/2002 Hobbs: 1868.9 AFTT: 5716.5

Manifold gauge removed for repair by LAC Avionics (see LAC WO# 15317K), then reinstalled, operational check OK for service. The above described repair or maintenance is certified airworthy and approved for return to service. A detailed record is on file under Work Order # **20462**

Signed _____
For Corporate Air Technology, CRS AU3R384L, Phone: 408-977-0990

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Level III NDT
F.A.A. Repair Station N5DR176O
Nondestructive Test Report

Nomenclature: Spar Cap
P/N: N55BZ
Specification: Twin Commander SB 90D

W.O.#: 170203
Part S/N:
Customer P.O.#: N55BZ

Description of NDT service:
1) Fluorescent Penetrant inspection of Front Spar Lower Cap at W.S. 24 L. & R. per Twin Commander SB 90D, page 5, item 4

Inspected by: D. M. Arms
Date: 02/19/03

This aircraft has been inspected in accordance with approved technical specification Twin Commander SB 90D and was determined to be in airworthy condition. The fluorescent penetrant method was performed by David Arms on 02/19/03.

Disposition: Inspected Lower Forward Spar Caps at W. S. 24 L. & R. per Twin Commander SB 90D. No cracks detected.

DATE

CORPORATE AIR TECHNOLOGY
1250 Aviation Ave. suite 125, San Jose Ca 95110
3/22/2004 N55BZ Hobbs: 1946.2 TT: 5794.1 WO# 21877

Complied with the following inspections and AD's:
1. AD 02-26-01 Fuel injector line inspection, OK for service.
2. Heater fuel filter clean and inspect.
3. Main fuel screen clean and inspect.
4. ELT annual inspection per FAR 91.207 (d) OK for service

Replaced the following items:
1. Main gear downlock bungees PN#9044 (next due 9/04).
2. Both main batteries Concord RG-35.
3. Right and left main tires PN# 021-349-0.
4. Left engine magneto switch PN# 10-357510.
5. Right wing fuel vent coupling hose PN# 306-8.
6. Pilot & co-pilot windshield
7. Pilot & co-pilot side window
9. Pilot & co-pilot storm window
10. ELT battery PN# 00-04-006A (next due 4/06)
11. Left alternator switch PN# AN3023-2

Performed the following repairs:
1. Adjusted all primary flight control cable tensions.
2. Voltage regulators sent out for inspection then reinstalled this date
3. Freed up co-pilot warm air valve, then lubed cable and valve.
4. Installed chaff tape on upper side of flap to eliminate further chaffing in retracted position.
5. Resealed nose strut, and replaced lower strut puck PN# 9530
6. Cleaned corrosion off of battery hold down brackets and painted. Connected vent in and out lines together.
7. Added drain holes to belly and sealed areas that were introducing water into aircraft.
8. Applied ACF-50 to flap wells.

I certify that this aircraft has been inspected in accordance with an **annual** inspection and was found to be in an airworthy condition.

Signed
For Corporate Air Technology CRS AU3R384L Phone: 408-977-0990

CORPORATE AIR TECHNOLOGY
1250 Aviation Ave. suite 125, San Jose Ca 95110
7/1/2005 N55BZ Airframe Hobbs: 1946.5 TT: 5795.0 WO# 23295

Complied with the following inspections and airworthiness directives:
1. Annual/100 hour inspection
2. ELT annual inspection per FAR 91.207 (d) OK for service (ELT battery next due 4/06)
3. Vacuum check valve operational check per Airborne service letter 39A

Replaced the following items:
1. Left and left alternator in-line field fuse PN# AGC-5
2. Main landing gear bungee's PN# 9044
3. Pitch servo spool stand-off PN# 4410-1
4. Left main inner race PN# 13830-20629, and bearing PN# 13889-20629

Performed the following repairs:
1. Re-sealed parking brake valve using new o-rings, then bled system with MIL5606
2. Cleaned corrosion off of aft center floor and seat rails then treated and painted
3. Replaced several PN# MS2106M1L3 nutplates in flap well closeouts
4. Resealed hydraulic flow regulators then serviced system with MIL5606
5. Adjusted elevator cable tension to 40 lbs. per MM
6. Cleaned contacts on rudder trim indicating sender

I certify that this aircraft has been inspected in accordance with an **annual** inspection and was found to be in an airworthy condition.

Signed
For Corporate Air Technology CRS AU3R384L Phone: 408-977-0990

TOTAL—Carry forward to next page

Page No. _____

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
			TOTAL brought forward from previous page

Corporate Air Technology
1250 Aviation Ave. suite 125, San Jose Ca 95110

2/26/2003 N55BZ Hobbs: 1885.3 TT: 5732.9 WO# 20651

C/W ELT annual inspection per FAR 91.207 (d) OK for service. ELT battery next due 12/31/03. C/W AD 94-04-13 by dye penetrant inspection of lower spar cap (see Level lll NDT WO# 170203 dated 2/19/03), OK for service. Cleaned fuel filters, and hydraulic filters. Serviced nose strut with nitrogen. Repaired right and left exhaust deflectors.
Replaced the following items:
1. Left fuel boost pump with overhauled unit PN#55895-1, SN# 569H
2. Cabin heater fuel line (locally manufactured)
3. Landing gear bungees PN# 9044
4. Flap hydraulic fluid lines in empenage (locally manufactured)
5. Emergency exit wind lace (Giotto interior installed)
6. Right starter contactor PN# 7064-534C

I certify that this aircraft has been inspected in accordance with an annual inspection and was found to be in an airworthy condition.

Signed _____
For Corporate Air Technology CRS AU3R384L Phone: 408-977-0990

CORPORATE AIR TECHNOLOGY
1250 Aviation Ave. suite 125, San Jose Ca 95110

N55BZ 9/23/2003 Hobbs: 1927.9 TT: 5775.5

Topped off air-conditioning system with Freon. Serviced landing gear accumulator with nitrogen. Moved alternator switch wires over to good side of switch to eliminate charging problem. The above described repair or maintenance is certified airworthy and approved for return to service. A detailed record is on file under Work Order # **21405**

Signed _____
For Corporate Air Technology, CRS AU3R384L, Phone: 408-977-0990

ALTIMETRY, ALTITUDE REPORTING AND TRANSPONDER TEST
N# 55BZ S/N 500B-1041-42 DATE 3-3-04 TESTED TO 20,000 FT.
TESTED AND PASSED PER FAR 91.411 AND 43 APPENDIX E :
ALTIMETER(#1) P/N 671BN-010 S/N AF43-0160
ALTIMETER(#2) P/N 5934-1 S/N G9763
AUTOMATIC PRESSURE ALTITUDE REPORTING SYSTEM:
#1 P/N SAE5-35 S/N 568 #2 P/N ADC200 S/N 2258
STATIC SYSTEMS TESTED: PILOT/CO-PILOT
TESTED AND PASSED PER FAR 91.413 AND 43 APPENDIX F:
TRANSPONDER #1 P/N 011-00490-00 S/N 83708143 MODEL GTX 327
TRANSPONDER #2 P/N 011-00490-00 S/N 83707193 MODEL GTX 327
WORK ORDER# 15317 HOBBS: 1946.5
INSPECTOR TRACY KEEFER
LAC AVIONICS INC. FAA CRS#FM4R185M

TOTAL—Carry forward to next page

Level III NDT
F.A.A. Repair Station N5DR176O
Nondestructive Test Report

Nomenclature: Spar Cap
P/N: N55BZ
Specification: Twin Commander SB 90D

W.O.#: 170203
Part S/N: _____
Customer P.O.#: N55BZ

Description of NDT service:
1) Fluorescent Penetrant inspection of Front Spar Lower Cap at W.S. 24 L. & R. per Twin Commander SB 90D, page 5, item 4.

Inspected by: _____
Date: 02/19/03

This aircraft has been inspected in accordance with approved technical specification Twin Commander SB 90D and was determined to be in airworthy condition. The fluorescent penetrant method was performed by David Arms on 02/19/03.

Disposition: Inspected Lower Forward Spar Caps at W. S. 24 L. & R. per Twin Commander SB 90D. No cracks detected.

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DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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ALTIMETRY,ALTITUDE REPORTING AND TRANSPONDER TEST
N# 55BZ S/N 500B-1041-42 DATE 11-1-06 TESTED TO 20,000 FT.
TESTED AND PASSED PER FAR 91.411 AND 43 APPENDIX E :
ALTIMETER(#1) P/N 671BN-010 S/N AF43-0160
ALTIMETER(#2) P/N 5934-1 S/N G9763
AUTOMATIC PRESSURE ALTITUDE REPORTING SYSTEM:
#1 P/N SAE5-35 S/N 568 #2 P/N ADC200 S/N 2258
STATIC SYSTEMS TESTED: PILOT/CO-PILOT
TESTED AND PASSED PER FAR 91.413 AND 43 APPENDIX F:
TRANSPONDER #1 P/N 011-00490-00 S/N 83708143 MODEL GTX 327
TRANSPONDER #2 P/N 011-00490-00 S/N 83707193 MODEL GTX 327
WORK ORDER# 15317 HOBBS:1966.2
INSPECTOR TRACY KEEFER
LAC AVIONICS INC. FAA CRS#FM4R185M

CORPORATE AIR TECHNOLOGY
1250 Aviation Ave. suite 125, San Jose Ca 95110

1/1/07 N55BZ Airframe Hobbs: 1966.2 TT: 5813.8 WO# 24569

Complied with the following inspections and airworthiness directives:
1. Annual/100 hour inspection
2. ELT annual inspection per FAR 91.207 (d) OK for service (ELT battery due 10/08)
3. Pneumatic check valve operational check per Airborne service letter 39A

Replaced the following items:
1. ELT battery PN# 00-04-006A (next due 10/08)
2. Landing gear downlock bungees PN# 9044
3. Left wing heated fuel vent PN# 100201K-1
4. Emergency window seal PN# 5330082-51

Performed the following repairs:
1. Cleaned ground on right fuel vent heater to eliminate weak operation
2. Replaced missing rivet in right upper engine nacelle
3. Resealed window frame as neseccary using AC240B2 sealant
4. Cleaned several ground connections on eyebrow lights
5. Cleaned corrosion from left aft fuselage stringer then treated with zinc chromate and ACF-50
6. Applied ACF-50 corrosion preventitive treatment to right and left inner wing surfaces
7. Re-secured pilot seat back hardware and replaced missing spring with new (locally procured)
8. Adjusted rudder cable tension to 60 lbs. (was 35 lbs.)
9. Replaced broken rivets on right nacelle exhaust shield with new PN# CR3242-4-3 (2 each)

I certify that this aircraft has been inspected in accordance with an **annual** inspection and was found to be in an airworthy condition.

Signed _____
For Corporate Air Technology CRS AU3R384L Phone: 408-977-0990

TOTAL—Carry forward to next page

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DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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CORPORATE AIR TECHNOLOGY
1250 Aviation Ave. suite 125, San Jose Ca 95110

11/12/2008 N55BZ Airframe Hobbs: 1966.7 TT: 5814.3 WO# 26254

Complied with the following inspections and airworthiness directives:
1. **Annual/100 hour** inspection
2. ELT annual inspection per FAR 91.207 (d) OK for service (ELT battery due 10/10)
3. Pneumatic check valve operational check per Airborne service letter 39A

Replaced/Installed the following items:
1. **ELT battery** PN# 00-04-006A (next due 10/10)
2. Landing gear downlock bungees PN# 9044
3. Right firewall fuel screen PN# 630196-1, and o-ring PN# MS29513-222
4. Nose gear actuator barrel PN# ED10144, piston PN# ED10145, and mounting pin PN# MS20392-3C35

Performed the following repairs:
1. Serviced nose and main struts with nitrogen per strut extension graph figure 2-6
2. Re-installed rudder trim actuator after repair/cleaning. Re-centered unit internally and set travel limits, then centered unit to trim tab. Operationally checked OK for service.
3. Cleaned and lubed cabin entry door lock pins.
4. Cleaned right and left firewall fuel screens, and replaced right with new (see replaced items above)
5. Serviced emergency accumulator, and hydraulic accumulator with nitrogen
6. Re-installed hydraulic check valve after re-seal.
7. Re-installed nose gear actuator after repair (see replaced items above). Re-set downlock spring tension. Hydraulic system bled (including braking and steering system, then landing gear operationally checked with no discrepancies noted.
8. Re-installed left fuel shut-off valve PN# AV16B1159, SN# K0287-0096 after overhaul (see Jet Services Enterprises Inc WO# 128203, dated 10/31/08)
9. Re-installed right fuel shut-off valve PN# AV16B1159, SN# K0287-0082 after overhaul (see Jet Services Enterprises Inc WO# 128204, dated 10/31/08)

I certify that this aircraft has been inspected in accordance with an **100 hour/Annual** inspection and was found to be in an airworthy condition.

Signed _____
For Corporate Air Technology CRS AU3R384L Phone: 408-977-0990

LAC AVIONICS, Inc.
1250 AVIATION AVE. SUITE 110, SAN JOSE CA 95110
408 295 4144 FAX 408 299 0800 FAA REPAIR STATION FM4R185M
LOCATED AT ATLANTIC SAN JOSE

ALTIMETRY,ALTITUDE REPORTING AND TRANSPONDER TEST
N# 55BZ S/N 500B-1041-42 DATE 11-13-08 HOBBS:1967.1 ACTT:5814.7
TESTED TO AN ALTITUDE OF 20,000 FT. AND PASSED AS PER FAR 91.411
AND FAR PART 43 APPENDIX E:
ALTIMETER(#1) P/N 671BN-010 S/N AF43-0160
ALTIMETER(#2) P/N 5934-1 S/N G9763
AUTOMATIC PRESSURE ALTITUDE REPORTING SYSTEM:
#1 P/N SAE5-35 S/N 568 #2 P/N ADC200 S/N 2258
STATIC SYSTEMS TESTED: PILOT/CO-PILOT
TESTED AND PASSED PER FAR 91.413 AND 43 APPENDIX F:
TRANSPONDER #1 P/N 011-00490-00 S/N 83708143 MODEL GTX 327
TRANSPONDER #2 P/N 011-00490-00 S/N 83707193 MODEL GTX 327
WORK ORDER# 17295A
INSPECTOR TRACY KEEFER
LAC AVIONICS INC. FAA CRS#FM4R185M

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DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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CORPORATE AIR TECHNOLOGY
1250 Aviation Ave. suite 125, San Jose Ca 95110

03/01/2010 N55BZ Airframe Hobbs: 1971.6 TT: 5819.2 WO# 27566

Complied with the following inspections and airworthiness directives:
1. **Annual/100 hour** inspection
2. ELT annual inspection per FAR 91.207 (d) OK for service (ELT battery due 12/10)
3. Pneumatic check valve operational check per Airborne service letter 39A

Replaced/Installed the following items:
1. Landing gear downlock bungees PN# 9044 (4 each)
2. Upper rudder and right and left elevator outboard static wicks PN# DG16165 (3 each)
3. Emergency exit hinge PN# MS20001P4-7200
4. Nose wheel bearing PN# 13830-20629, and race PN# 13889-20629 (1 each)
5. Right and left engine starter cable terminal boots PN# MS25151-3S
6. Main cabin door seal PN# S22949-2
7. Nose steering actuator bypass valve PN# V102, SN# 0022

Performed the following repairs:
1. Cleaned debris from cabin floor and tail cone drains.
2. Re-trimmed pilot and co-pilot windshields using AC240 B½
3. Re-sealed steering cylinder and bypass valve, then bled/serviced system with MIL5606
4. Cleaned connection on right pitot heat to correct intermittent operation.
5. Re-sealed left engine inboard aft baffle using Dow Corning 157 sealant.
6. Cleaned corrosion from inside of right and left induction box's, then treated with corrosion inhibitor.
7. Re-secured then re-sealed ELT antenna

I certify that this aircraft has been inspected in accordance with an **100 hour/Annual** inspection and was found to be in an airworthy condition.

Signed_____
For Corporate Air Technology CRS AU3R384L Phone: 408-977-0990

CORPORATE AIR TECHNOLOGY
1250 Aviation Ave. suite 125, San Jose Ca 95110

02/15/2011 N55BZ Airframe Hobbs: 1974.7 TT: 5822.3 WO# 28433

Complied with the following inspections and airworthiness directives:
1. **Annual/100 hour** inspection
2. Pneumatic check valve operational check per Airborne service letter 39A

Replaced/Installed the following items:
1. Landing gear downlock bungees PN# 9044 (4 each)
2. Right upper outboard aft cowl latch assemblies PN# 60L1-1AA, and hooks PN# 60L2-1AA (2 each)
3. Right and left inboard aileron static wicks PN# 16165 (2 each)
4. Right and left uplock rollers PN# NAS43HT4-50 (2 each)
5. Right elevator trim tab hinge pin PN# 900016-24
6. Flap position rheostat actuating arm PN# 510003-185
7. Nose tire PN# 021-317-1, SN# 9115W00187 (balanced tire and wheel assembly)
8. Fuel filter feed hoses (locally manufactured using PN# 303-8 hose, and existing fittings)
9. Left main gear uplock arm PN# 730045-19, bolt PN# AN174C21A, and nut PN# MS24044-C4
10. Right main gear inboard door actuating arm PN# 330093-508

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DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

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Performed the following repairs:
1. Repaired damaged ribs under control horn in right elevator trim tab, by removing damaged portion, and replacing with new (locally manufactured). Checked balance of right elevator assembly after repairs, and found a trailing edge heavy condition. Installed heavier balance weight to bring elevator into proper balance. Re-installed elevator and checked travels and operation and found to be within limits.
2. Cleaned heater fuel filter, and boost pump filters, and main fuel screens.
3. Re-installed emergency gear nitrogen bottle after hydrostatic inspection (see S.J. OBrien Enterprises invoice 10-11620 dated 12/16/2010)
4. Cleaned corrosion off of elevator trim indicator rheostat. Checked indicating travels and found to be within limits.
5. Replaced missing hardware on autopilot connector.
6. Freed up windshield defrost valve by lubing and exercising.
7. Adjusted aileron cable tension and verified travels within limits.
8. Cleaned corrosion from battery structure area, then treated area with battery protectant paint
9. Replaced 2 damaged helicoils with new in right fuel filter housing.
10. Left main gear not staying locked in uplock position. Found uplock arm had groove worn in (see replaced items above). Checked rigging of right and left main landing gear primary, and emergency gear actuators, and found all four out of adjustment. Adjusted all four main gear actuator rod lengths to achieve proper pre-load for down position. Performed gear swing and found left main still not locking in up position. Disconnected gear doors and found gear locking normally. While adjusting doors, found right main gear inboard door actuating arm cracked (see replaced items above). Also found all gear door attach rods missing washers between rod end and actuating arms. Installed missing washers, then adjusted all gear doors to eliminate excessive pre-load during gear retraction. Performed several gear swings with no discrepancies noted.
11. Cleaned light corrosion from quick drain on left main fuel strainer, then re-assembled using new seals.

I certify that this aircraft has been inspected in accordance with an **100 hour/Annual** inspection and was found to be in an airworthy condition.

Signed_____
For Corporate Air Technology CRS AU3R384L Phone: 408-977-0990

CORPORATE AIR TECHNOLOGY
1250 Aviation Ave. suite 125, San Jose Ca 95110

02/18/2013 N55BZ Airframe Hobbs: 1976.9 TT: 5824.5 WO# 29598

Complied with the following inspections and airworthiness directives:
1. **Annual/100 hour** inspection
2. ELT annual inspection per 14 CFR, 91.207 (d) (ELT battery next due 1/17)
3. Pneumatic check valve operational check per Airborne service letter 39A

Replaced/Installed the following items:
1. Landing gear downlock bungees P/N 9044 (4 each)
2. Right and left inboard and outboard flap bearings P/N MS20201KP4A (8 each)
3. Right and left aileron bearings P/N MS20201KP4A (6 each)
4. Left engine cowl door baffle seal P/N T-8071-3
5. Rudder trim flex cable P/N 031218412403500
6. Lower rudder hinge bearing P/N MS20201KP4A
7. Rudder torque tube assembly P/N 420014
8. Left uplock switch P/N 1EN1-6B
9. Right aft aileron rod end P/N RE4FF
10. Fuel tank filler limitation placards P/N 110134-191
11. Rudder cable balance cable pulley brackets P/N 5530090-3 & PN# 5530090-4
12. Nose gear downlock switch P/N AN3022-11
13. Hydraulic pump drain hardline (locally manufactured)
14. Tach cable P/N 610217-501
15. Replaced both main batteries (2ea) P/N RG35AXC, S/N 40536181 & 40536182

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Performed the following repairs:

1. Cleaned and inspected heater fuel filter (50 hour)
2. Cleaned main airframe fuel screens (50 hour)
3. Flap indicator adjusted
4. Re-installed hydraulic pressure relief valve after setting relief pressures
5. Aileron controls found with excessive friction. Removed lower center control column cable/chain-pulley/sprocket assembly, cleaned, lubed then re-installed. Found several aileron hinge bearings corroded and replaced with new (see replaced items above). Rigged the aileron system per the M.M.
6. Cleaned corrosion under floor area near rudder pedals, then treated and painted.
7. Found cracks on upper and lower horizontal skins at the forward edges @ approximate stations SS 90.00 – SS 95.00. Installed sheet metal doublers made from .025" 2024 T3, and attached using Hysol structural adhesive and CR3213-4 Cherry rivets in original rivet positions.
8. Cleaned corrosion from rudder torque tube steel collar
9. Serviced emergency gear bottle to 300 PSI nitrogen.
10. Replaced all seals on hydraulic reservoir to eliminate leaks.
11. Serviced all landing gear struts with nitrogen
12. Re-sealed nose strut, then serviced with MIL5606 and nitrogen. Rigging checked after re-installation.
13. Several grease points on landing gear would not accept grease. Removed hardware from pivot points in question, cleaned bolts pins and bushing. then re-installed. Grease points now accept grease.
14. Drained fuel from tanks. Topped off fuel system to verify gauge operation.
15. Re-positioned mixture rod ends to allow full engagement of threads
16. Propeller governor not hitting stop. Adjusted control to allow full travel with cushion.
17. Re-installed right uplock actuator after re-sealing. Bled unit then checked rigging.

I certify that this aircraft has been inspected in accordance with an **100 hour/Annual** inspection and was found to be in an airworthy condition.

Signed_____

For Corporate Air Technology CRS AU3R384L Phone: 408-977-0990

CORPORATE AIR TECHNOLOGY

1250 Aviation Ave. suite 125, San Jose Ca 95110

10/10/2013 N55BZ Airframe Hobbs: 1978.8 AFTT: 5826.4

Check – Serviced as required the battery, tires, hydraulics and lights
Performed run-up and check all systems.
Serviced RH propeller dome pressure
C/W AD 2011-26-04 Fuel injection line inspection on both engines – No discrepancies noted

The above described repair or maintenance is certified airworthy and approved for return to service. A detailed record is on file under Work Order # **30654**

Signed_____

For Corporate Air Technology, CRS AU3R384L, Phone: 408-977-0990

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N55BZ, Commander 500B, S/N 1041-42 W.O. MPROP-5286 **Dec. 9, 2013**
Hobbs: 1984.3 hours

Performed the following maintenance:

- Repositioned rudder trim cables to trim chains in aft fuselage (had been crossed). Op's checked good.
- Reracked #2 GNS-530. Op's checked good.

APPROVAL FOR RETURN TO SERVICE

Aero Air LLC certifies that the above aircraft has been repaired IAW current FAR's and is approved for return to service only for the work performed. Pertinent details are on file at this agency under the above work order.

Signed,

Inspector, Aero Air LLC, CRS# O9IR003Y
2050 NE 25th Ave. Hillsboro, OR 800-448-2376

2. Replaced RH forward inboard center cowl latch hook P/N 610241-43
3. Removed all cabin floor panels, cleaned lower fuselage, replaced broken/damaged nutplates, removed broken screws. Fabricated one new floor panel, reinstalled panels with new correct hardware
4. Cleaned oil pressure lines from engines to 3 in 1 gauges
5. Repaired flap lever detent
6. Replaced all flap & aileron hinge point hardware with correct parts, torqued to factory specs
7. Replaced all wing & fuselage access panel screws with new stainless parts to replace damaged/mismatched parts
8. Replaced one brake adjuster assembly, & one spring pack, reset all brake adjusters to factory specs. Function tested brakes, all operations normal.
9. Removed nose steering shimmy collar, cleaned, reinstalled with new hardware, adjusted shimmy collar per aircraft manual. Installed new upper, lower & center nose sissors bolts, nuts & washers. Installed new nose steering cylinder mounting clevis bolt & nut
10. Performed landing gear retraction test through 6 complete cycles, & 3 emergency extensions. Checked rigging of landing gear doors. Serviced emergency gear system with nitrogen
11. Installed new L & R engine air filters, P/N BA151E, next due 4-1-15 or @2,096.4 hobbs time, 5,939.0 hrs total time

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DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
	5,839.0		**TOTAL** brought forward from previous page
3-8-14	~~5,839.0~~ 5,839.0	1,996.4	Continued from previous page 12. Complied with the following AD's: AD 75-12-07R1 "Bendix ignition switch" by function test, no defects AD 94-04-13 "Forward lower spar cap flange cracks" found pcw @5,732.9 hrs. total time, 1,885.8 hobbs time, next due @6,232.9 hrs. total time, or 2,385.8 hrs. hobbs time AD 98-08-19 "Wing leading edge straps cracks" found due @6,000 hrs. total aircraft time. AD compliance current through this date Complied with FAR 91.207(d) "ELT test & inspection" no defects noted. ELT battery next due 1-1-2017 Aircraft approved for return to service Daraius Mehta A&P 2404856
3-8-14	5,839.0 ~~5,838.0~~	1,996.4	I certify that this AIRFRAME has been inspected in accordance with an annual inspection and was determined to be in airworthy condition as of this date. Walter T. Cheers A&P 532382706 IA Walter T. Cheers #532382706
	5,839.0		**SUB-TOTAL** this page
	5,839.0		**TOTAL**—Carry forward to next page

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DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
	5,839.0		**TOTAL** brought forward from previous page
6-5-14	5,871.6	0.0	Log book entry, N55BZ, S/N 1041-42 Performed the following maintenance items: 1.Installed new hobbs meter, P/N 46457-3, replaced ground wire to air switch. Repaired air switch, function tested hobbs system. 2.Installed overhauled hydraulic gauge, P/N 850170, S/N 7312 3.Installed owner furnished LH VSI. 4.Rigged LH cowl flap travel & stops per 500B manual. 5.Checked & reset power brake valve pressures, checked power nose wheel steering. Ops normal. 6.Adjusted nose shimmy collar tension. Checked nose tire pressure. 7.Installed inertia reel type shoulder harness & new seat belts, P/N HR5007 & 0107139-01 on pilot & copilot seats per FAA advisory circular. Installation authorized per FAR 43.3. All maintenance completed in accordance with Aero Commander 500B maintenance manual, Aero Fabricators Inc. & American Safety Inc. instructions. Aircraft is approved for return to service. Daraius Mehta A&P 2404856
3-30-15			**Pegasus Aviation LLC** Pegasus Airpark 5AZ3 1 MAY 2015 AIRFRAME REG # / MAKE MODEL / S/N / HOBBS / TOTAL N55BZ / A/C 500B / 1041-42 / 102.6 / 5974.2 Removed all inspection panels, fairings, floor boards and access points. Inspected internal structure of wings, fuselage and empennage. Inspected and lubricated all pulleys, bellcranks, hinge points and pushrods/rod ends. Performed satisfactory landing gear extension and retraction, emergency extension tests as well as complete lubrication of all landing gear components. Serviced all hydraulic accumulators. Inspected battery system. Replenished all hydraulic fluids. Verified proper cable tension and flight control deflection. Performed satisfactory landing gear extension and retraction with emergency extension. Cleaned and inspected all fuel system screens and sumps to include fuel injection servos and injectors. All ADs complied with, reference attached AD log. I certify this aircraft has been inspected in accordance with a annual inspection per the manufacturers 100 hour/annual inspection checklist and is determined to be in an airworthy condition. TECH Chad P Mayo CERT AP 3384572 IA
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N55BZ, Commander 500B, S/N 1041-42 W.O. MPROP-6248 **May 22, 2015**
ACTT: 5984.2 hours/hobbs: 0112.6 hours

Performed the following maintenance:

- Replaced left electric fuel boost pump with an *overhauled* unit P/N 55895-1, S/N 1066G (form 8130-3 provided by Consolidated Aircraft Supply Co., CRS# GI1R167K dated Nov. 6, 2014).
- Balanced nose wheel/tire assembly, bled steering system and replaced steering collar with a *new* collar P/N 750077-501, S/N 2050. Taxi checked with satisfactory results.
- Replaced left landing light lens with a *new* lens fabricated per AC43.13-1B, Para. 3-26.

APPROVAL FOR RETURN TO SERVICE

Aero Air LLC certifies that the above aircraft has been repaired IAW current FAR's and is approved for return to service only for the work performed. Pertinent details are on file at this agency under the above work order.

Signed,

Inspector, Aero Air LLC, CRS# O9IR003Y
2050 NE 25th Ave. Hillsboro, OR 800-448-2376

4-18-16	6,064.4	192.8	Log book entry, Aero Commander 500B, N55BZ, S/N 1041-42 Times & records transferred to new AD Log System this date. Erick Flores A&P 3559225 Erick Flores Closed.

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DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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