

AERO COMMANDER MODEL 500A

Flight Log

S/N 500A-1259-83

N500TU

TWIN
COMMANDER

BOOK 2

The SERVICENTER, Inc.

7301 NW 50th St. Bethany, Oklahoma 73008

FAA Certified Repair Station # V5SR2170

Phone: (405) 789-5000 Fax: (405) 789-5995

Aircraft LogBook #2

August 1, 2006

Aero Commander Model 500A

s/n - 500A-1259-83

N500TU

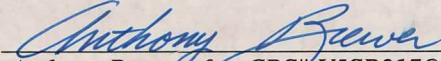
A/C HM - 1,168.8 hrs.

Aircraft Total Time - 3,746.8 hrs.

Left Engine TCM IO-470M - s/n - 94528-4-M-R
Left Propeller Hartzell - HC-A2VF-2B - s/n - Y2370

Right Engine TCM IO-470M - s/n - 94554-70-M-R.
Right Propeller Hartzell - HC-A2VF-2B - s/n - Y2371.

This #2 aircraft logbook opened on this date, see logbook #1 closed on this date for all previous entries.


Anthony Brewer for CRS# V5SR2170

AIRCRAFT FLIGHT LOG

DATE	FROM	TO	TIME OF FLIGHT	REPAIRS — ADJUSTMENTS REMARKS	SIGNATURE	LICENSE NUMBER
			HRS MIN			

The SERVICENTER, Inc.

7301 NW 50th St. Oklahoma City, Oklahoma 73132-9702

FAA Certified Repair Station # V5SR2170

Phone: (405) 789-5000 Fax: (405) 789-5995

August 1, 2006

Model * 500A

s/n * 500A-1259-83

N500TU

A/C HM - 1,168.8 hrs.

Aircraft Total Time - 3,746.8 hrs.

NOTE: Use Hour Meter (HM) located on the LH side of cockpit pedestal for recording of aircraft time.

Annual Inspection completed & routine maintenance performed in accordance with the Manufacturer's Inspection Guide and the Aero Commander Model 500A Maintenance Manual.

Checked AD 64-02-01, 39-676, "**Main Landing Gear Modification**", verified LH & RH main landing gears have been modified previously per Commander SB-83, therefore, no further action needs to be taken at this time.

Checked AD 67-22-01, 39-446, "**Main Landing Gear Modification**", verified LH & RH main landing gears have been modified previously per Commander SB-83A, therefore, no further action needs to be taken at this time.

Checked AD 70-14-07, 39-2014, "**TCM Fuel Injection Pump Modification**", verified pumps on the LH & RH engines have been modified previously, therefore, no further action needs to be taken at this time.

PA Checked AD 72-20-02, 39-1974, "**TCM Non H Type Cylinders**", verified all cylinders on the LH & RH engines have
BF been replaced with "H cylinders" manufactured after 4-63 per para. (B), no further action needs to be taken at this time.

TC

contd. on page 2..

Checked AD 73-06-02, 39-1606, "**Prevent Fuel Siphoning**", verified the fuel cap is the non-siphoning type and has been previously installed per Commander Kit #87A-2, therefore, no further action needs to be taken at this time.

Complied with AD 81-19-04, 39-4214, "**Rajay Turbocharger Fuel, Oil & Air Hose Replacement**", complied with para. (a) (1 - 4), in accordance with Rajay Service Letter #28. Installed (20ea) new fire-sleeved fuel, oil & air hoses on the LH engine & (20ea) new fuel, oil & air hoses on the RH engine. NOTE: AD due compliance again Aug-2011.

Complied with AD 94-04-13, 39-8833, "**Inspection of the Lower Front Spar Cap**", complied with paragraph (a), in accordance with Twin Commander Service Bulletin SB 90C, Rev. 1, dated 6-5-92, Part I, (a - j) and no defects were found at this time. NOTE: AD due compliance again @ ACTT - 4,246 hrs.

Complied with AD 96-12-22, 39-9665, "**Oil Filter Adapter Assembly Nut Torque Check**", complied with paragraph (a), (1, 2 & 4) on the LH & RH engines. NOTE: AD due compliance each time oil filter is removed.

Complied with AD 98-07-17, 39-10437, "**Flap System Pulley & Cable Inspection/Modification**", complied with paragraph (a), in accordance with Twin Commander Service Bulletin, SB 226 R1, dated 07-15-97.

Complied with Twin Commander Service Bulletin 230A, "**Replacement of Magnesium Fuel System Parts**", dated 03-08-01, installed Kit # SB230A-1, new sump installed & leak checked, no fuel leaks were found at this time.

Complied with Twin Commander Service Letter, SL-376, "**Inspection of the Main Landing Gear Clevis and Drag Brace Installations**", dated 4-25-00. Complied with items (1 - 13) and no defects were found at this time. Clevis pins were magnetic particle inspected by CRS# AR2R700K and reinstalled. NOTE: inspection due each 500 hrs.

AIRCRAFT FLIGHT LOG

DATE	FROM	TO	TIME OF FLIGHT	REPAIRS - ADJUSTMENTS REMARKS	SIGNATURE	LICENSE NUMBER
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The Altimeter & Static System Tests required by FAR 91.411 were performed in accordance with FAR Part 43, Appendix E. s/n #1 - 23259 s/n #2 - AF43-152924 Altimeters were tested to 25,000 ft.

The Transponder Tests required by FAR 91.413 were performed in accordance with FAR Part 43, Appendix F. s/n #1 - 3449

Installed a new ELT Battery new date for replacement is Aug-2008.
Complied with 1 yr ELT Inspection per FAR 91.207 (d) requirements.

Performed a pressure decay test on the Janitrol Combustion Heater in accordance with the Janitrol Heater Maintenance Manual, no defects were found at this time.

Resealed the LH & RH MLG struts. Installed a new torque link & pin in the RH MLG. Installed a new flex drive cable for the rudder trim tab. Resealed the LH & RH brake calipers, bled brake system & set brake pressure. Installed new scissor bushings in the LH & RH MLG. Resealed the RH power brake valve & installed new fitting on the LH power brake valve. Resealed the NLG steering cylinder. Resealed the NLG retract cylinder & installed a new body.

Inspected the installation of a David Clark "ISOCOM" Intercom System that was installed in the pilots instrument panel, date installed by persons unknown. Determined that the installation meets the requirements of the Manufacturer's Installation Manual. System was operationally checked & found to function normally. This unit was determined to be a minor alteration and a FAA Form 337 is not needed. Aircraft Equipment List was updated to reflect the change.

contd. on page 4..

TOTAL TO DATE

KCM (10-74)

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Installed an overhauled LH voltage regulator, p/n - VR300-28-50, s/n - G023477. Unit was O/H by CRS# UT2D226L. Ground run aircraft to OPS check, found all indications & operations normal.

Recovered all panels in the baggage compartment using #4 Tan Grosspoint material from Tapis Lot #J162. All material used meet the burn requirements of FAR 25.853. See "Burn Certs" from Flame Out Inc.

Reweighed aircraft after all the above work was completed, computed a new Weight & Balance Sheet and placed a copy in the Airplane Flight Manual.

Updated Aircraft Equipment List to reflect numerous additions & removals of equipment to the aircraft.

The maintenance described above is certified airworthy and with respect to the work performed this aircraft is approved for return to service.

"I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE."

Details are on file at this facility under WO# 603728


Anthony Brewer for CRS# V5SR2170

AIRCRAFT FLIGHT LOG

DATE	FROM	TO	TIME OF FLIGHT		REPAIRS — ADJUSTMENTS REMARKS	SIGNATURE	LICENSE NUMBER
			HRS.	MIN.			

The SERVICENTER, Inc.

7301 NW 50th St. Oklahoma City, Oklahoma 73132-9702

FAA Certified Repair Station # V5SR2170

Phone: (405) 789-5000 Fax: (405) 789-5995

August 18, 2006

Model * 500A

s/n * 500A-1259-83

N500TU

A/C HM - 1,170.6 hrs.

Aircraft Total Time - 3,748.6 hrs.

NOTE: Use Hour Meter (HM) located on the LH side of cockpit pedestal for recording of aircraft time.

Installed & balanced a new tire on the NLG wheel, s/n - 50240331. Made a minor repair to wiring in the RH engine bay. Updated GPS data card.

The maintenance described above is certified airworthy and with respect to the work performed this aircraft is approved for return to service.

Details are on file at this facility under WO# 603821

Anthony Brewer
Anthony Brewer for CRS# V5SR2170

PAGE TOTAL

BROUGHT FORWARD

TOTAL TO DATE

KCM (10-74)

The SERVICENTER, Inc.

7301 NW 50th St. Oklahoma City, Oklahoma 73132-9702

FAA Certified Repair Station # V5SR2170

Phone: (405) 789-5000 Fax: (405) 789-5995

November 7, 2006

Model * 500A

s/n * 500A-1259-83

N500TU

A/C HM - 1,171.9 hrs.

Aircraft Total Time - 3,749.9 hrs.

NOTE: Use Hour Meter (HM) located on the LH side of cockpit pedestal for recording of aircraft time.

Removed and reinstalled LH & RH generators, s/n LH - A600147 and s/n RH - P11753 after overhaul by CRS# PU4R453M. Installed "solid state" Generator/Controller Voltage Regulators, p/n - G250KN, s/n LH - U2K020 and s/n RH - U2K019 in accordance with Tovya Group, Inc., dba Zeftronics, STC# SA09258SC. See FAA Form 337 dated 11-7-06 for complete details of the work performed.

Removed & reinstalled Fuel Injection Pump, p/n - 638156-3R, s/n - M1805R and Fuel Flow Divider, p/n - 631427A2, s/n - M1456R, from the RH Engine after overhaul by CRS# RV3R829L. Ground run the aircraft and performed a full functional check of the above equipment, found all indications & operations normal.

The maintenance described above is certified airworthy and with respect to the work performed this aircraft is approved for return to service.

Details are on file at this facility under WO# 603821



Anthony Brewer for CRS# V5SR2170

AIRCRAFT FLIGHT LOG

DATE	FROM	TO	TIME OF FLIGHT		REPAIRS – ADJUSTMENTS REMARKS	SIGNATURE	LICENSE NUMBER
			HRS.	MIN.			



Red River Aviation

580-471-6143

MAKE	Aero Commander	MODEL	500A	SERIAL #	500A-1259-8 3
AIRCRAFT N #	500TU	W/O #	500A11022007	HOBBS	1179.9
DATE	11/02/2007	ACFT TOT TIME	3757.9	TSMOH	—

I certify that this AIRFRAME has been inspected IAW an ANNUAL inspection and found to be in an AIRWORTHY condition. . Complied with FAR 91.207 ELT test, OK. ELT batteries due change. AUG 2008
 See AD summary for completions. Replaced 2ea central vacuum filters with garters, Inspected and repacked all wheel bearings, lubed all controls retracted gear, ops check good , serviced hydraulic reservoir. Replaced fuel cap"O" ring.

Fred Harper

FRED HARPER AP/3201707 I/A

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KCM (10-74)

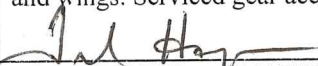


Red River Aviation 580-471-6143

MAKE	AERO COMMANDER	MODEL	500-A	SERIAL #	500A-1259- 83
AIRCRAFT N #	500TU	W/O #	03082009500TU	TACH TIME	1181.2 LT HOBBS
DATE	03/08/2009	ACFT TOT TIME	3759.2	TSMOH	5124

I certify that this airframe has been inspected IAW ANNUAL inspection per Aero Commander service manual and FAR part 43 and was determined to be in airworthy condition. ELT inspected IAW 91.207(D) Battery due April 2011.

R&R landing gear bungees, Installed O-rings in left aft brake caliper. Performed gear retraction. Lubed gear. Cleaned inspected and repacked all wheel bearings. Replaced ELT battery. Applied Corrosion X to fuselage and wings. Serviced gear accumulator. Serviced Hydraulic reservoir. See A.D. List.....


FRED HARPER 3201707 I/A A/P



Red River Aircraft Repair 580-482-4288

MAKE	Aero Commander	MODEL	500-A	SERIAL #	500A11259- 83
AIRCRAFT N #	500TU	W/O #	04302009500TU	TACH TIME	1182.0
DATE	04/30/2009	ACFT TOT TIME		TSMOH	

Installed new Gill battery. Charged Per Gill service instructions.

S/N 602439 317


FRED HARPER 3201707 I/A A/P

AIRCRAFT FLIGHT LOG

DATE	FROM	TO	TIME OF FLIGHT		REPAIRS - ADJUSTMENTS REMARKS	SIGNATURE	LICENSE NUMBER
			HRS.	MIN.			

Red River Aircraft Repair, LLC

15985 US Hwy 283, Hangar 32

Altus, OK 73521



Date: 3/19/2010; Aircraft: N500TU; Type: 500-A; S/N: 500A-1259-83; Hobbs:; Tach:; Total Time:; Engine 1 Type: , S/N:; Time:; SMOH:;
Prop 1 Type: , S/N:; Time:; SMOH:; Engine 2, Type: , S/N:; Time:; SMOH:; Prop 2, Type: , S/N:; Time:; SMOH:

Shop Order #: 10-1118

Replaced missing strobe light on the vertical stabilizer with A470AR.

Jerry M Yates 1601045 A&P

Jerry M Yates

Red River Aircraft Repair, LLC

15985 US Hwy 283, Hangar 32

Altus, OK 73521



Date: 6/02/2010; Aircraft: N500TU; Type: 500-A; S/N: 500A-1259-83; Hobbs: 1196.30; Tach:; Total Time: 3774.20; Engine 1
Type: , S/N:; Time: 527.40, SMOH: 527.40; Prop 1 Type: , S/N:; Time:; SMOH:; Engine 2, Type: , S/N:; Time:; SMOH:; Prop 2,
Type: , S/N:; Time:; SMOH:; Work Done At - Airframe Time: 3774.20,, Engine Time: 527.40,

I certify that this AIRCRAFT has been inspected I.A.W. an ANNUAL inspection per aero commander service manual and FAR 43
(D) and was determined to be in an airworthy condition. ELT inspected I.A.W. FAR 91.207 (D) checked good. battery due APR
2011.

Repaired landing light wire. Replaced bungees. serviced gear accumulator. Repacked left MLG uplock actuator. Performed
retraction test. Adjusted left MLG uplock switch. Replaced Hobbs meter left side of pedestal. Cleaned, inspected and repacked
all wheel bearings. Serviced battery. Treated acft with ACF 50. See A.D. list.....

Fred Harper AP/IA 3201707

Fred Harper

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TOTAL TO DATE

KCM (10-74)

Red River Aircraft Repair, LLC

15985 US Hwy 283, Hangar 32

Altus, OK 73521



Date: 2/28/2012; Aircraft: N500TU; Type: 500-A; S/N: 500A-1259-83; Hobbs: 1196.30; Total Time: 3774.20; Engine 1 Type: TCM IO-470M, S/N: 94528-4-M-R, Time: 3774.20, Last MOH: 3239.50-12/23/1994, SMOH: 534.70; Prop 1 Type: HARTZELL HC-A2VF-2B, S/N: Y2370, Time: 3774.20, Last Prop MOH: 3367.90-3/27/1998, SMOH: 406.30; Engine 2, Type: TCM IO-470M, S/N: 94554-70-M-R, Time: 3774.20, Last MOH: 3239.50-12/23/1994, SMOH: 534.70; Prop 2, Type: HARTZELL HC-A2VF-2B, S/N: Y2371, Time: 3774.20, Last Prop MOH: 3367.90-3/27/1998, SMOH: 406.30; Work Done At - Airframe Time: 3774.20, Engine Time: 534.70,

I certify that this AIRCRAFT has been inspected I.A.W. an ANNUAL inspection per Aero Commander Service Manual and FAR 43 (D) and was determined to be in an airworthy condition. ELT inspected I.A.W FAR 91.207 (D). Failed check. Installed new 406 ELT. Repaired landing light wire. Replaced bungees. Serviced gear accumulator. Repacked left MLG uplock actuator. Performed retraction test. Adjusted left MLG uplock switch. Replaced Hobbs meter left side of pedestal meter reading 1196.3. Cleaned, inspected and repacked all wheel bearings. Serviced battery. Treated acft with ACF 50. Washed aircraft. See A.D. list.....
Fred Harper AP/ IA 3201707

AIRCRAFT FLIGHT LOG

DATE	TIME OF FLIGHT	REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
Red River Aircraft Repair, LLC 15985 US Hwy 283, Hangar 32 Altus, OK 73521				
Date: 11/10/2015; Aircraft: N500TU; Type: 500-A; S/N: 500A-1259-83; Hobbs;; Total Time: 3774.30; Engine 1 Type: TCM IO-470M, S/N: 94528-4-M-R, Time: 3774.20, Last Prop MOH: 3239.50-12/23/1994, SMOH: 534.70; Prop 1 Type: HARTZELL HC-A2VF-2B, S/N: Y2370, Time: 3774.20, Last Prop MOH: 3367.90-3/27/1998, SMOH: 406.30; Engine 2, Type: TCM IO-470M, S/N: 94554-70-M-R, Time: 3774.20, Last Prop MOH: 3239.50-12/23/1994, SMOH: 534.70; Prop 2, Type: HARTZELL HC-A2VF-2B, S/N: Y2371, Time: 3774.20, Last Prop MOH: 3367.90-3/27/1998, SMOH: 406.30; Work Done At - Airframe Time: 3774.30,, Engine Time: 3774.20, Shop Order #: 15-1660 Lubed aircraft as required. Inspected wheel bearings no defect noted. Wheel bearings cleaned, repacked and reinstalled. Inspected brake shoes and rotor no defects noted. Back bleed brakes and serviced reservoir. Remove and Replace vacuum filter(s). Control cable tension checked. All cables within tolerance. C/W ELT INSPECTION IAW 91.207(d). BATTERY DUE; 03/2016. Removed and replaced aircraft battery. O2 bottle sent out for hydrostatic test and reinstalled. Resealed nose strut. Removed and replaced Hobbs meter .1 hours on meter. Landing gear retraction performed. No defect noted. Replaced clamp on fuel vent line. Cleaned and lubed all flight control hinge points. Replaced clamp on R/H heat duct. Clean and treated corrosion on nose landing gear linkage and wheel well. Replaced ducts on heater. Resealed nose steering actuator. Repaired crack on nose bulkhead. Repaired chain on fuel cap. Replaced seal on fuel cap. Resealed and replaced t fitting on hydro pack. replaced hinge on R/H engine L/H fwd cowl door. Replaced switch on over head light. Replaced fire extinguisher. Replaced heater sceet and scat lines. Removed and replaced nose steering hydro lines. Replaced L/H and R/H main fuel lines. Replaced R/H fuel shut off valves. Gascolator removed & inspected and reinstalled. Installations and removals listed above have been performed in accordance with manufacturer's specs. Aircraft is approved for return to service. See A.D. List. Washed and waxed aircraft. Detailed flight deck. Randy J Anderson A&P IA 3686010 <i>[Signature]</i> I certify that this aircraft has been inspected in accordance with an annual inspection as per FAR 43, App D, and with reference to Aero Commander 500A%% Service Manual and was determined to be in an airworthy condition. Randy J Anderson 3686010 AP/IA <i>[Signature]</i>				
PAGE TOTAL				
BROUGHT FORWARD				
TOTAL TO DATE				

Red River Aircraft Repair, LLC

15985 US Hwy 283, Hangar 32

Altus, OK 73521



Date: 1/20/2017; Aircraft: N500TU; Type: 500-A; S/N: 500A-1259-83; Hobbs:; Total Time: 3774.30; Engine 1 Type: TCM IO-470M, S/N: 94528-4-M-R, Time: 3774.20, Last MOH: 3239.50-12/23/1994, SMOH: 534.70; Prop 1 Type: HARTZELL HC-A2VF-2B, S/N: Y2370, Time: 3774.20, Last Prop MOH: 3367.90-3/27/1998, SMOH: 406.30; Engine 2, Type: TCM IO-470M, S/N: 94554-70-M-R, Time: 3774.20, Last MOH: 3239.50-12/23/1994, SMOH: 534.70; Prop 2, Type: HARTZELL HC-A2VF-2B, S/N: Y2371, Time: 3774.20, Last Prop MOH: 3367.90-3/27/1998, SMOH: 406.30; Work Done At - Airframe Time: 3774.30,, Engine Time: 3774.20,

Shop Order #: 16-1779, Closed: 12/15/2016

Aircraft charging sys inop. Removed and replaced LT engine Generator P/N 1105054 S/N A218052 see 8130-3. Removed and replaced LH/RH Zeftronic G250KN voltage regulators. Rewired LH/RH generator charging sys. Removed and replaced LH/RH overload CB's. Removed and replaced pilot overhead generator switches. Weight and balance not effected. Installations and removals listed above have been performed in accordance with manufacturer's specs. Aircraft is approved for return to service.

John Harris A&P 3646223

Je. M.

AIRCRAFT FLIGHT LOG

LICENSE
NUMBER

Red River Aircraft Repair, LLC
15985 US Hwy 283, Hangar 32
Altus, OK 73521



Date: 1/19/2017; Aircraft: N500TU; Type: 500-A; S/N: 500A-1259-83; Hobbs:; Total Time: 3774.30; Engine 1 Type: TCM IO-470M, S/N: 94528-4-M-R, Time: 3774.20, Last MOH: 3239.50-12/23/1994, SMOH: 534.70; Prop 1 Type: HARTZELL HC-A2VF-2B, S/N: Y2370, Time: 3774.20, Last Prop MOH: 3367.90-3/27/1998, SMOH: 406.30; Engine 2, Type: TCM IO-470M, S/N: 94554-70-M-R, Time: 3774.20, Last MOH: 3239.50-12/23/1994, SMOH: 534.70; Prop 2, Type: HARTZELL HC-A2VF-2B, S/N: Y2371, Time: 3774.20, Last Prop MOH: 3367.90-3/27/1998, SMOH: 406.30; Work Done At - Airframe Time: 3774.30,, Engine Time: 3774.20,

Shop Order #: 16-1817

Lubed aircraft as required. Inspected wheel bearings no defect noted. Wheel bearings cleaned, repacked and reinstalled.

Inspected brake shoes and rotor no defects noted. Resealed LT MLG brake caliper. Back bleed brakes and serviced reservoir.

Remove and replace vacuum filter(s). Control cable tension checked. All cables within tolerance. C/W ELT INSPECTION IAW

91.207(d). Replaced ELT battery, due 12/2021. Removed, serviced and reinstalled aircraft battery. Removed and replaced LT/RT

MLG bungees. Landing gear retraction performed. No defect noted. Cleaned and lubed all flight control hinge points. Gascolator

removed & inspected and reinstalled. See A.D. List. Washed and waxed aircraft. Detailed flight deck. Installations and removals

listed above have been performed in accordance with manufacturer's specs. Aircraft is approved for return to service.

John Harris A&P 3646223

I certify that this aircraft has been inspected in accordance with an annual inspection as per FAR 43, App D, and with reference to Aero Commander 500A Service Manual and was determined to be in an airworthy condition.

Robert D. Hawkins A&P 1639492 IA

Robert D. Hawkins

PAGE TOTAL

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TOTAL TO DATE

KCM (10-74)

PLT

INSTALLED ALTIMETER, MODEL 101435-11213
S/N 23259, CERTIFIED UNDER PART
43, APPENDIX E, AND TESTED AS PER 91.411 TO

25,000 FEET ON 5/31/2017
BY AT2R702K W.O. 16478

I CERTIFY THE STATIC SYSTEM TEST REQUIRED BY
F.A.R. PART 91.411, HAVE BEEN PERFORMED
THIS DATE 5/31/2017 SIG [Signature]

AVIONICS SERVICES INC.
CRS AT2R702K

C/P

INSTALLED ALTIMETER, MODEL 6718K-010
S/N AC-43-152924, CERTIFIED UNDER PART
43, APPENDIX E, AND TESTED AS PER 91.411 TO

25,000 FEET ON 5/31/2017
BY AT2R702K W.O. 16478

I CERTIFY THE STATIC SYSTEM TEST REQUIRED BY
F.A.R. PART 91.411, HAVE BEEN PERFORMED
THIS DATE 5/31/2017 SIG [Signature]

AVIONICS SERVICES INC.
CRS AT2R702K

THIS TRANSPONDER SERIAL NUMBER WIC00X
3449 HAS BEEN TESTED IN
ACCORDANCE WITH F.A.R. PART 43,
APPENDIX F, AND MEETS THE REQUIREMENTS
OF F.A.R. 91.413

DATE: 5/31/2017 SIG. [Signature]
CRS AT2R702K
AVIONICS SERVICES INC.
NORMAN, OKLAHOMA

NORMAN, OKLAHOMA

DAT

LICENSE
NUMBER

Removed LH engine cowl flap actuator PN: EYLC 7567-1 SN: 309021 in accordance with Aero Commander 500 Maintenance Manual. Installed, adjusted and functionally checked new LH engine cowl flap actuator PN: EYLC 7567-1 SN: 307086, functioned normally, in accordance with Aero Commander 500 Maintenance Manual. Aircraft returned to service for work performed.

Leighton Swatek

A&P 3676073

Aircraft Maintenance Team, Inc.

PAGE TOTAL

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TOTAL TO DATE



E & I AIRCRAFT

a division of Engineering & Inspection Unlimited, Inc.

ENGINEERING & INSPECTIONS UNLIMITED, INC.
AIRCRAFT INSPECTION DIVISION
EXECUTIVE AIRPORT - HANGAR 6
FORT LAUDERDALE, FLORIDA 33309

W.O.#: EIA18-6205

DATE: NOV. 1, 2018

FIELD INSPECTION REPORT

FAA REPAIR STATION # E3IR752J
(954) 771-9144

PERSON IN CHARGE: JUAN D. GOMEZ

IS EQUIPMENT, MATERIALS, DATA, & FACILITIES ADEQUATE FOR INSPECTION YES ☒ NO ☐ INTLS. J.G.

RECORDS CONTROL: JUAN D. GOMEZ

CUSTOMER: TOTAL AVIONIX OWNER: N/A P.O.#: N500TU
MANUFACTURER: TWIN COMMANDER MODEL #: 500A SERIAL #: 1259-83 REGISTRATION #: N500TU
AIRCRAFT HOURS: 3,790 CYCLES: N/A TYPE / INSP.: FLUORESCENT PENETRANT INSPECTION
TEST PROCEDURES: ASTM E1417/E1417M-16 ACCORDING TO: SERVICE BULLETIN 90D PART I.
A / D NOTES: A.D. 94-04-13 PARTS INSP.: L/H & R/H Front Spar Lower Cap at W.S. 24.00
SPECIFICATIONS:
SVCE. BULLETINS: S/B 90D PART I.
AREAS INSPECTED: Performed Fluorescent Penetrant Inspection of the Left & Right Front Spar Lower Cap at Wing Station 24.00 as per S/B 90D Part I.

REMARKS: FOUND NO DEFECTS.

DISPOSITION: SERVICEABLE ACCEPTED: YES REJECTED: NO
TAG ASSIGNED: NO AUTHORIZED INSPECTOR: Juan D. Gomez Rep. Cert. #2597797 DATE: NOV. 1, 2018

FORM AA-01 REV 1

AIRCRAFT FLIGHT LOG

DATE	FROM	TO	TIME OF FLIGHT		REPAIRS - ADJUSTMENTS REMARKS	SIGNATURE	LICENSE NUMBER
			HRS.	MINS.			
11-01-2018					ACTA-TWIN COMMANDER MODEL 500A - SERIAL NUMBER.		
					500A-1259-83 - REGISTRATION MARK N.500TU - -TT 3790		
					FRONT TIRE REMOVE - REPLACED w/NEW - INCLUDING NEW AIR		
					TUBE - WHEEL BEARING REMOVE AND REPLACED - REPACKED AND		
					REINSTALLED, WIRE ASSY BALANCED - FRONT STEERING HYD ACTUATOR		
					SERVICED AND REINSTALLED - MAIN WHEELS REMOVED -		
					BEARINGS INSPECTED - CLEAN - REGREASED - NO ANOMALIES FOUND		
					AND REINSTALLED - WHEEL WHERE BALANCED - BRAKE CALIPERS		
					REMOVED - DISSASAMBL - CLEAN - REPLACE ORINGS - ASSY -		
					WITH NEW. BRAKE PADS - BOTH WHEELS - SYSTEM PURGED.		
					TAXI TEST - SET BRAKE PADS - NO ANOMALIES FOUND AND WORK		
					W/IN PARAMETERS - - SERVICE MAIN STRUTS. ACCORDING TO		
					AERO COMMANDER SERVICE MANUAL - REMOVE AND REPLACE		
					BUNGEE CORDS. ACCORDING TO SERVICE MANUAL - NEXT DUA AT		
					NEXT ANNUAL - LUBRICATED BUNGEE ROLLERS. - AIRPLANE EFT.		
					ACCORDING TO AERO COMMANDER SERVICE MANUAL - HYDRAULIC PUMP		
PAGE TOTAL							
BROUGHT FORWARD							
TOTAL TO DATE							

AIRCRAFT FLIGHT LOG

DATE	FROM	TO	TIME OF FLIGHT		REPAIRS - ADJUSTMENTS REMARKS	SIGNATURE	LICENSE NUMBER
			HRS.	MINS.			
CONNECTED TO ONBOARD PUMP SYSTEM AND GEAR.							
RETRACTION PERFORMED - ALARM ACTIVATED - AND NO							
ANOMALIES FOUND - HYDRAULIC RESERVOIR REPLENISH.							
WITH APPROVED OIL. -- ALL INSPECTION PLATES REMOVED.							
DEFECTIVE HARDWARE REPLACED - AFTER INSPECTION. ALL COVERS							
REINSTALLED. -- ALL CONTROL CABLES - AND PULLEYS INSPECTED							
- LUBRICATED - AND FOUND WITHIN PARAMETERS ACCORDING							
TO AIRCRAFT COMMANDER SERVICE MANUAL.							
EXISTING CARPET REMOVE AND DISCARD - REPLACE WITH NEW.							
CARPET - SEE FIRE TEST PAPERS DOCUMENTS IN FOLDER. -							
REMOVED HEATER SYSTEM. - ALL HARDWARE - FUEL LINES -							
AND FITTINGS. - INTAKE AND EXHAUST PORTS SEALED --							
ALL AREA CLEAN AND EPOXY PRIMED -- REMOVE X CRACKS.							
PILOT AND COPILOT WINDSHIELD ACCORDING w/ SERVICE MANUAL							
A NEW SET INSTALLED WITH PMA PARTS. - TRIMED - INSTALLED							
WITH NEW BUSHARDWARE. - WATER TESTED - NO LEAKS FOUND. -							
PAGE TOTAL							
BROUGHT FORWARD							
TOTAL TO DATE							

AIRCRAFT FLIGHT LOG

DATE	FROM	TO	TIME OF FLIGHT		REPAIRS - ADJUSTMENTS REMARKS	SIGNATURE	LICENSE NUMBER
			HRS.	MINS.			
NEXT INSPECTION DUE IN 500 HRS. - REMOVE OLD ELECTRICAL WIRING LEFT IN FROM PREVIOUS REMOVED EQUIPMENT. REMOVE INOPERATIVES ANTENNAS LEFT IN PLACE. FROM PREVIOUS REMOVED EQUIPMENT. - REMOVE SURFACE CORROSION IN EXTERIOR AND INTERIOR OF FUSELAGE. NEUTRALIZE AND EPOXY PRIMED. IN PREPARATION * FULL PAINT. WORK. - LUBRICATED ALL HINGE POINTS OF FLYING SURFACES. REPLACE ALL AXIAL CABLES WITH NEW TYPE RG400 DOUBLE SHIELDED OF APPROVE TYPE - REMOVE AND REPLACE ALL HEADSEAT PLUGS - REMOVE INSPECTIONS PLATES OF CONTROL COLUMN. - INSPECT AND LUBRICATE ALL COLUMN MOVEMENTS. CHECK COUNTER BALANCE WEIGHT - REMOVE DEBRIS AND CLEAN INNER FLOOR BETWEEN FRONT SEAT AND LUGGAGE COMPARTMENT. OPERATE EMERGENCY EXIT PER ANNUAL INSPECTION - REINSTALL ALL SIDE AND HEAD LINER PANELS - BATTERY REMOVE - TESTED - REINSTALLED							
PAGE TOTAL							
BROUGHT FORWARD							
TOTAL TO DATE							

AIRCRAFT FLIGHT LOG

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PAGE TOTAL

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TOTAL TO DATE

AIRCRAFT FLIGHT LOG

DATE	FROM	TO	TIME OF FLIGHT	REPAIRS - ADJUSTMENTS REMARKS	SIGNATURE	LICENSE NUMBER
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Date: 01/20/2019; Aircraft: Aero Commander 500A; N500TU; S/N: 500A-1259-83; Total Time: 3790.0

Work Performed on Engine #1 LH: Model: TCM IO-470M S/N: 94328-4-M-R; Time: 3790.0
 Last MOH: 3239.5-12/23/1994; SMOH 550.50; Engine #2 RH: Model: TCM IO-470M S/N: 94554-70-MR
 Time: 3790.0 Last MOH: 3239.5-12/23/1994; SMOH 550.50; Prop 1 LH: Hartzell Model: HC-A2VF-2B;
 S/N: Y2370; Time: 3790.0; Last MOH: 3367.90 - 03/27/98; SMOH: 422.0; Prop 2 RH: Hartzell
 Model: HC-A2VF-2B; S/N: Y2371; Time: 3790.0; Last MOH: 3367.90 - 03/27/98; SMOH: 422.0.

Shop Work Order: H100118

I certify that this aircraft has been inspected in accordance with Airframe and Powerplant 100 Hours inspection form for Aero Commander 500A Model, produced by Gulfstream Aerospace Technologies, and as per FAR43 (D) and was determined to be in airworthy conditions.

See AD List.

Hugo O. Terrosa AP#2652567

I certify that this aircraft has been inspected in accordance with annual inspection as per FAR43 (D) and with reference to Aero Commander 500A Service Manual and was determined to be in airworthy conditions.

Dean Markis IA #2388479

Total Avionix- 2633 Lantana Road Hangar #312, Lake Worth FL 33463 - KLNA
 +1 (561)855-8911 -www.totalavionix.com

BROUGHT FORWARD

TOTAL TO DATE

KCM (10-74)

AIRCRAFT FLIGHT LOG

DATE	FROM	TO	TIME OF FLIGHT	REPAIRS - ADJUSTMENTS REMARKS	SIGNATURE	LICENSE NUMBER
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Date: 01/20/2019; Aircraft: Aero Commander 500A; N500TU; S/N: 500A-1259-83; Total Time: 3790.0

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 S/N: Y2370; Time: 3790.0; Last MOH: 3367.90 - 03/27/98; SMOH: 422.0; Prop 2 RH: Hartzell
 Model: HC-A2VF-2B; S/N: Y2371; Time: 3790.0; Last MOH: 3367.90 - 03/27/98; SMOH: 422.0.

Shop Work Order: H100118

I certify that this aircraft has been inspected in accordance with Airframe and Powerplant 100 Hours inspection form for Aero Commander 500A Model, produced by Gulfstream Aerospace Technologies, and as per FAR43 (D) and was determined to be in airworthy conditions.
 See AD List.

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Dean Markis IA #2388479

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+1 (561)855-8911 -www.totalavionix.com

BROUGHT FORWARD

TOTAL TO DATE

KCM (10-74)

AIRCRAFT FLIGHT LOG

DATE	FROM	TO	TIME OF FLIGHT		REPAIRS - ADJUSTMENTS REMARKS	SIGNATURE	LICENSE NUMBER
			HRS.	MINS.			

Date: 01/20/2019; Aircraft: Aero Commander 500A; N500TU; S/N: 500A-1259-83; Total Time: 3790.0

Work Performed on Engine #1 LH: Model: TCM IO-470M S/N: 94328-4-M-R; Time: 3790.0
 Last MOH: 3239.5-12/23/1994; SMOH 550.50; Engine #2 RH: Model: TCM IO-470M S/N: 94554-70-MR
 Time: 3790.0 Last MOH: 3239.5-12/23/1994; SMOH 550.50; Prop 1 LH: Hartzell Model: HC-A2VF-2B;
 S/N: Y2370; Time: 3790.0; Last MOH: 3367.90 - 03/27/98; SMOH: 422.0; Prop 2 RH: Hartzell
 Model: HC-A2VF-2B; S/N: Y2371; Time: 3790.0; Last MOH: 3367.90 - 03/27/98; SMOH: 422.0.

Shop Work Order: H100118

I certify that this aircraft has been inspected in accordance with Airframe and Powerplant 100 Hours inspection form for Aero Commander 500A Model, produced by Gulfstream Aerospace Technologies, and as per FAR43 (D) and was determined to be in airworthy conditions.
 See AD List.

Hugo O. Terrosa AP#2652567

I certify that this aircraft has been inspected in accordance with annual inspection as per FAR43 (D) and with reference to Aero Commander 500A Service Manual and was determined to be in airworthy conditions.

Dean Markis IA #2388479

Total Avionix- 2633 Lantana Road Hangar #312, Lake Worth FL 33463 - KLNA

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BROUGHT FORWARD

TOTAL TO DATE

MAKE: COMMANDER
MODEL: 500-A
SN: 500A-1259-83
TAIL: N500TU
HOBBS: 3790.0



Sarasota Avionics East
2633 Lantana Rd.
Hangar 1301/Box 1
Lantana, FL 33462
941-360-6877

Altimeter EFD1000C3 (SN: 26742), standby altimeter 101435-11213 (SN: 23259), 671BK-010 (SN: AF-43-152924) has been tested to an altitude of 20,000 feet and was found to comply with App E of 14 CFR 43. Altitude reporting system SAE5-35 (SN: 14499) was tested and found to comply with App E of 14 CFR 43, and calibration is in compliance with 14CFR91.217. The ATC transponder NGT9000 (SN: LXE13022) was tested, inspected and found to comply with App F of 14 CFR 43 and 14CFR 91.413. The static pressure system was tested and inspected in accordance with 14CFR 91.411. This Aircraft and/or component identified above was repaired and inspected with respect to the work performed in accordance with current regulations of the Federal Aviation Administration and was found airworthy for return to service. Weight and balance has not changed.-END

SIGNED: _____

Garret Pisz for CRS # 1SER284B

DATE: _____

Details on file under work order #52298WA, dated 4/23/19

ics East
tana Rd.
1/Box 1
L 33462
60-6877

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d 4/23/19

Date: 7/12/2021 **Aircraft Make:** AeroCommander **N Number:** N500TU **Tach Time:**
Model: 500A **S/N:** 500A-1259-83 **ACTT:** 3874
Engine R Continental Model: 10470M **S/N:** 94554-70-M-R **TSMOH:** 634.5 **TT:** 3874
Engine L Continental Model: 10470M **S/N:** 94328-4-M-R **TSMOH:** 634.5 **TT:** 3874
Prop R: Hartzell **Model:** HC-A2MVF-2 **HUB S/N:** Y1587 **TSMOH:** 0.0 **TT:** 0.00
Prop L: Hartzell **Model:** HC-A2MVF-2 **HUB S/N:** Y994 **TSMOH:** 0.0 **TT:** 0.00
WO#: H070121

Removed main wheels- clean and inspected brakes. Replaced main bearings on both wheels using Timken FAA LM29710 - LM29749-7204-7100. Greased with Aeroshell 22. Balanced and rotated tires- reinstalled. Removed front wheel- cleaned and replaced bearings with Timken 13889-13830. Greased with Aeroshell 22. Assembled, balanced and reinstalled wheel. All inspection plates removed- inspected and lubricated all pulleys and cables. Serviced Rudder Trim sender and gauge. Replaced all 4 bungies at main gears. All work performed IAW Commander service manual. Refilled Nitrogen bottle. Aircraft lifted and wheel retraction test performed 3 times. Performed emergency deployment test 2 times. All tests satisfactory. Static/Pitot leak test performed- passed within parameters. All controls surfaces lubricated and operational check performed. Performed emergency window exit check - operational- all hinge points lubricated. Inspected ELT- passed- ELT to be replaced by 11/30/2021. I certify that this aircraft has been IAW with Aero Commander 500A Service manual and as per FAR43 (D) and was determined to be in airworthy conditions regarding the work performed.

Hugo O. Terrosa AP#2652567

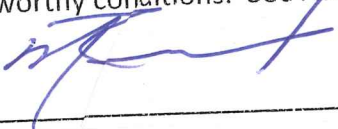
BROUGHT FORWARD

TOTAL TO DATE

KCM (10-74)

Date:	7/12/2021	Aircraft Make:	AeroCommander	N Number:	N500TU	Tach Time:	
		Model:	500A	S/N:	500A-1259-83	ACTT:	3874
Engine R Continental	Model:	10470M	S/N:	94554-70-M-R	TSMOH: 634.5	TT: 3874	
Engine L Continental	Model:	10470M	S/N:	94328-4-M-R	TSMOH: 634.5	TT: 3874	
Prop R: Hartzell	Model:	HC-A2MVF-2	HUB S/N:	Y1587	TSMOH: 0.0	TT: 0.00	
Prop L: Hartzell	Model:	HC-A2MVF-2	HUB S/N:	Y994	TSMOH: 0.0	TT: 0.00	
					WO#:	H070121	

I certify that this aircraft has been inspected in accordance with annual inspection as per FAR43 (D) and with reference to Aero Commander 500A Service Manual and Airframe and Powerplant inspection form for 500A Model, produced by Gulfstream Aerospace technologies, and was determined to be in airworthy conditions. See AD List.

Michael Reed IA #3197430 

AIRCRAFT FLIGHT LOG

Time:

3874

TT: 3874

TT: 3874

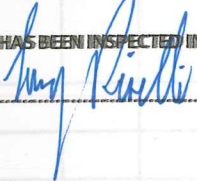
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121

FAR43 (D)

lant inspection

DATE	FROM	TO	TIME OF FLIGHT		REPAIRS — ADJUSTMENTS REMARKS	SIGNATURE	LICENSE NUMBER
			HRS.	MIN.			
05/09/22	N500TU	AERO COMMANDER 500A			S/N.500A-1259-83		
AIRCRAFT LOGBOOK							
AIRCRAFT TACH. TIME			AIRCRAFT TOTAL TIME 3884.1 ENGINE/L CONTINENTAL IO-470M				
COMPLETED 100 HOUR / ANNUAL INSPECTION IN ACCORDANCE WITH AERO COMMANDER 500A SERVICE MANUAL AND FAR.43 APX (D).							
OPEN ALL INSPECTION PANELS. INSPECT AND LUBRICATE FLIGHT CONTROL CABLES, PULLEYS, AND HINGES. PERFORM OPERATIONAL							
CHECK OF FLIGHT CONTROLS AND FREEDOM OF MOVEMENT. INSPECT AND OPERATIONAL CHECK ELEVATOR AND RUDDER TRIM . CHECK							
ELEVATOR TRIM UP AND DOWN TRAVEL. INSPECT LEFT / RIGHT WING SPAR FOR CORROSION. REPLACE LEFT WING FUEL LINE GROMMETS.							
REPLACE L/R LANDING GEAR BUNGEE'S P/N. . REPLACE RIGHT MAIN LANDING GEAR STRUT SEALS AND O-RINGS P/N.							
PERFORM GEAR RETRACTION AND EXTENSION. PERFORM EMERGENCY GEAR EXTENSION. ALL GEAR OPERATIONS NORMAL. REPACK							
LEFT/RIGHT/NOSE WHEEL BEARINGS USING AEROSHELL NO.5 GREASE. SERVICE L/R BRAKES. REPLACE LEFT BRAKE PISTON O-RINGS ,CLEAN							
AND REBUILD BRAKE CALLIPER. INSPECT AND OPERATIONAL CHECK EMERGENCY WINDOW EXIT..SERVICE HYDRAULIC RESERVOIR WITH							
MIL .5606 MINERAL BASE HYDRAULIC FLUID..REFILL LANDING GEAR EMERGENCY BOTTLE WITH NITROGEN/ 300/PSI. OPERATIONAL CHECK							
ELT PER FAR 91 .207(D). ELT BATTERY EXPIRES. . ALL ADS HAVE BEEN COMPLIED WITH. SEE AD COMPLIANCE REPORT.							
I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IAW A 100 HR/ ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY							
CONDITION AT THIS TIME.							
PATRICK COULTON AP 3818460 							
I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN							
AIRWORTHY CONDITION.							
TONY RISELLI AP 19170591A 							

PAGE TOTAL

BROUGHT FORWARD

TOTAL TO DATE

KCM (10-74)

**** FAA/PMA APPROVED PART - PQ2056CE ****

ITEM: WINDSHIELD-RH (SC15 GRAY)

PART NUMBER: **SC-W/G-2053-RH**

AIRCRAFT MAKE AND MODEL: ROCKWELL COMMANDER 500, 500-A, 500-B, 500-U, 500-S
520, 540, 560-A, 560-E, 560-F, 680, 680E, 680F

SERIAL NUMBERS: ALL (NON-PRESSURIZED)

REPL PN: 5360001-220, 360001-220

MANUFACTURE DATE: 10-30-2010 MANUFACTURE CODE: 1246807
FOR CONTINUED AIRWORTHINESS SEE AIRCRAFT P.O.N. OR SERVICE MANUAL

APPROVED

PLEASE KEEP THIS TAG FOR YOUR LOG BOOK.

915 Kearsley Park Blvd
Flint, MI 48503

Great Lakes Aero

(810)-235-1402

www.glapinc.com

MAIN BEARINGS

TIMKEN 07100 BEAR. } SMALL.
07204 RACE }

TIMKEN LM.29749 BEAR. } BIG ONE.
LM 29710 RACE }

TIMKEN 07100^{20.00} (2) BEAR.

TIMKEN 07204^{13.32} (2) RACE

TIMKEN LM 29749^{20.86} (2) BEAR.

1. LM.29710^{12.91} (2) RACE

800 432 6413