

Nächste Kontrolle: ~~2004~~ 506
Nächste Jahresabschlussprüfung: April 2004

EXTRA LBA-S-0020

D-666V

Luftfahrzeug-Bordbuch

N 13EP

7-12-17

Hobbs 244.8

A/C.T. 1031.2

Eng T.T. 464.2

Prop T.T. 940.9

SOUTHEAST AERO SERVICES, INC. [REDACTED]

EXTRA FLUGZEUGBAU EA-400 S/N 610 N13EP

Datu

October 9, 2014

Hobbs Time: 95.7 Hrs. Total Time: 882.1 Hrs

Landu

- 1.) Completed an Annual Inspection in accordance with the Ea-400 Service Manual P/N EA-05702 chapter 05-20-00 100hr. Inspection checklist Fgs. 1-27.
- 2.) Opened all Inspection panels, cowlings and fairings.
- 3.) Inspected all structures, plumbing, wiring, and control systems for Continuity, Security, Proper Attachment, and Proper Operation thru Specified Range Limitations.
- 4.) Performed Complete Electrical Systems Checks, no defects found.
- 5.) Removed, inspected and replaced aircraft battery. Concord RG24-11M S/N: 40654674.
- 6.) Inspected Elt Per Far 91.207 As Follows. Proper Installation: Battery Corrosion; Operation of the Controls and Crash Sensor; and the Presence of a Sufficient Signal Radiated From Its Antenna. Op's Checked Normal. Elt Battery Exp Date: 05/2021. {Artex ME-406 P/N: 455-6605 S/N: 242-00937}
- 7.) Placed aircraft on jacks, Inspected Landing Gear to Include Wheels, Brakes, Plumbing, and Fixtures. Performed retract tests, no defects found. Serviced fluid level.
- 8.) Inspected All Fuel System Plumbing, Fittings, and Attachments. Checked For Leaks, Proper Quantity Indication, Fuel Drain Operation, and Fuel Selector Operation. No Defects Found.
- 9.) Installed new luminescent back light strips on the middle Circuit Breaker panel, the lower panel at the Cabin Vent controls.
- 10.) Installed new Sceet Hose for the A/C from the rear right side of the fuselage to the right forward of the fuselage.

Gesan

Continued on the Next Page [REDACTED]

9	10	11	12
Datum	Techn. Störungen, Unfälle, techn. Mängel	Datum	Wartungsarbeiten, Teilüberholungen 100-Std.-Nachprüfungen, angeordnete Nachprüfungen

SOUTHEAST AERO SERVICES, INC. [REDACTED]
EXTRA FLUGZEUGBAU EA-400 S/N 010 N13EP

October 9, 2014 **Hobbs Time: 95.7 Hrs. Total Time: 882.1 Hrs**

- 11.) Installed new front Tire P/N: TR505C66-5 and Inner Tube P/N: TB092-308-0. Inflated to desired PSI with nitrogen.
- 12.) Installed new Carpet in Cabin area, please see certificate of conformance fro OmnAvia Interiors which is proof of conformance to FAR 25.853(a)(1)(ii) – 12 second vertical burn.
- 13.) The Yaw Dampener has been rewired as per Factory instruction for down position as off and the up position as Auto/Yaw. The panel has been placarded as necessary.
- 14.) Removed the Park Brake master cylinder and installed all new seals as per Cleveland schematic, reassembled system and bled brakes to capacity. Function check normal.
- 15.) Replaced On/Off switch on upper left dome light, function test normal.
- 16.) Rewired 24 volt outlet on lower center consol from circuit breaker.
- 17.) Complied With Ad Summary thru Revision Date: 2014-20. No AD's apply at this time.
- 18.) Closed all inspection panels, cowls and fairings.

I Certify This Aircraft Has Been Inspected In Accordance with An Annual Inspection And Was Determined To Be In AIRWORTHY Condition At This Time.

Warren M Cilliers A&P [REDACTED] EA [REDACTED]

Gesamtbetriebszeit des Luftfahrzeugs (seit der Herstellung)			Stunden
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Datur



Date 4/23/2015

Airframe Logbook Entry

W/O# 14230

CRS

AIRCRAFT: N 13EP

S/N: 10

Landur

Tach / Hobbs 36.4 / 39.2

DRAINED LEFT WING FUEL TANK, REMOVED UPPER TANK ACCESS PANELS. CLEANED AND PREPPED UPPER FUEL ACCESS PANELS AND WING FLANGES. REMOVED FUEL PRESSURE VALVE, CLEANED AND REPLACED O-RING, AND REINSTALLED VALVE. CLEANED SEALANT FROM FITTINGS AT OUTBOARD AND AFT SIDE OF TANK AND RE-SEALED FITTINGS INSIDE OF LEFT FUEL TANK. INSTALLED AND SEALED UPPER LEFT WING FUEL TANK ACCESS PANELS. FUELED AND LEAK CHECKED LEFT TANK AND NOTED UPPER ACCESS PANELS LEAK CHECK GOOD.

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency:

Signed:



Shawn Matthies

Precision Static Testing Livermore, CA
FAA Certified Repair Station #
PHONE: FAX:

I certify that the altimeter(s) and static system(s) tests required by 14 CFR § 91.411 and transponder tests, including data correspondence, required by § 91.413, have been performed and found to comply with 14 CFR Part 43, Appendix E and F.

Tested to 304 feet. Time: 171.3
W/O# 11613 N 13EP
Inspected by Date 4/1/16

Gesamtbetriebszeit bei der letzten Grundüberholung des Luftfahrzeugs	Stunden	übertragen		
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9	10	11	12
Datum	Techn. Störungen, Unfälle,		Wartungsarbeiten, Teilüberholungen
Airframe Logbook Entry - April 02, 2016 Extra EA-400, S/N 10, Reg, N13EP TTAF 945.7 Hobbs 159.3			
Performed the following inspections:			
Inspected Aircraft in Accordance with an Annual Inspection using FAR Part 43 Appendix D Checklist Guidelines.			
Opened all inspection panels, cowlings and fairings. No defects noted. Closed all inspection covers and cowlings.			
Jacked aircraft, performed 3 normal retraction/extension cycles and 1 emergency gear extension. No defects noted.			
Performed the following maintenance actions:			
Disassembled, cleaned and inspected Air Distribution Valve P/N EA-65432. Re-assembled Valve and operationally checked for leaks. None noted.			
Pressure control CB has been pulled and collared, and Pressurization controller placarded inoperative. Aircraft is approved for non-pressurized flight only at this time.			
Lubricated aircraft per MM.			
Serviced landing gear reservoir with MIL-H-5606 hydraulic fluid.			
Airworthiness Directives checked on www.faa.gov April 02, 2016. No outstanding AD's.			
All maintenance was performed in accordance with current manufacturer's maintenance manuals and all systems interrupted have been operationally and/or leak checked. I certify that this Aircraft has been inspected in accordance with an annual inspection and has been found to be in an airworthy condition. This Aircraft is approved for return to service.			
Signed  Steven M. Magnuson		Certificate # IA 	
Gesamtbetriebszeit des Luftfahrzeugs (seit der Herstellung)			Stunden

9	10	11	12
Datum	Techn. Störungen, Unfälle, techn. Mängel	Datum	Wartungsarbeiten, Teilüberholungen 100-Std.-Nachprüfungen, angeordnete Nachprüfungen
MAY 8 2017	TAHN 3252 HOURS 176.2	Annual Insp. Log Book & ELECTRICAL SYSTEM LOG CONTROLS	FOR OPERATION, AIRCRAFT IS FITTING FOR WORK. GEAR WHEELS, LANDING GEAR TIRE & BRAKES GOOD SOUND ON. PRESSURIZATION COMPONENTS REMOVED & SENT OUT FOR REPAIR TEST/REPAIR. I CERTIFY THIS AIRCRAFT IS INSPECTED IN ACCORDANCE WITH ANNUAL WSO & APPROVED ONLY FOR NON PRESSURIZED LOADS
			[Redacted Signature] J.A. [Redacted]

Gesamtbetriebszeit des Luftfahrzeugs (seit der Herstellung) Stunden

9	10	11	12
Datum	Techn. Störungen, Unfälle, techn. Mängel	Datum	Wartungsarbeiten, Teilüberholungen 100-Std.-Nachprüfungen, angeordnete Nachprüfungen



Straight Flight
A SUBSIDIARY OF SIERRA NEVADA CORPORATION

LOG ENTRY

REPAIR STATION #: [REDACTED]
E.A.S.A. 145.5994
[REDACTED]
ENGLEWOOD, CO 80112
[REDACTED]

25 May 2017 Hobbs: 202.2

(N13EP) Straight Flight Inc has performed the following: 1) Secured engine pressurization hose clamp. 2) Performed minor welded repair to engine air/oil separator return line. 3) Repaired #4 cylinder bottom ignition lead. Ground run and leak check satisfactory.

Release Statement:

Straight Flight Inc hereby certifies that all the above modifications, repairs and/or maintenance have been accomplished in accordance with Straight Flight Inc Inspection Procedure Manual, and 14 CFR's governing the operation of this equipment and referencing the standard practices in AC43.13-1B (current revision), all required drawings, and the EXTRA FLUGZEUGBAU GMBH EA-400 Maintenance Manual. Information on these repairs, maintenance and/or modifications are on file under project# 9049.

Harry M. Grinton, Inspector, Straight Flight Inc, FAA CRS # [REDACTED]

	Gesamtbetriebszeit des Luftfahrzeugs (seit der Herstellung)		Stunden

1	2	3	4	5	6	7	8
Datum	Name und Unterschrift des verantw. Lfz.-Führers	Anzahl Besatzgs.- Mitglieder	Anzahl Fluggäste	Flug von nach	Zeit (GMT) <u>Start</u> <u>Ldg.</u>	Anzahl Landungen	Betriebszeit Std. Min.

Landungen, Betriebszeit seit der letzten Grundüberholung des Luftfahrzeugs

Übertrag

MAKE: Extra
MODEL: 400
S/N: 10
REG. NO: N13EP
WORK ORDER: 1228



Aero Tech Services

Addison, TX 75001

DATE: 8/26/2017
A/C TSN:
HOBBS: 211.3

Airframe Entries

Troubleshoot Air Conditioner does not blow cold Air... Found System Low on Freon. Serviced with one can R134A Freon. Found Cockpit only having one Outlet on Co-Pilot side. De-ice Light Wire's pulled from Terminals in Socket Plug... Installed 2ea. New Terminals as needed. Route Co-Pilot A/C Ducting to Pilot side thru Vent Panel Fans... Swapped Polarity of Co-Pilot Panel Fan. Routed Re-Circulation Hose on Co-Pilot side to Pilot side with Adapters and Seat Hose as needed. Removed all Co-Pilot Instruments and Panel to Perform Maintenance. Artificial Horizon loose in Panel... Installed Correct length Screws as needed. Re-Route & Ty-Wrap wires behind Co-Pilot Panel... Re-Routed and Ty-Wrapped Wires behind Co-Pilot Panel as needed. Upon Pressurization Testing Aero Tech Services introduced FOD from Pressure Machine and... Broke Fan Blade on Pilot side Panel Fan. Removed Broken Fan Blade and Installed New Fan Blade as needed. Re-Troubleshoot A/C Pulls High Amperage in Flight... Found System not tripping Circuit Breaker and Functioning Properly at this Time. Provide Customer LH Nav Lens and Retainer... Provided Customer with Retainer and Nav Lens. Check Hydraulic Fluid Level... Serviced Hydraulic Reservoir with 14 oz. 5606 Hydraulic Fluid. Removed Belly Panel and Cleaned Fluid residue from leakage of Fittings at Sump Tank. Tightened B-Nuts as needed. Operational and Leak Check Satisfactory. Log Books need Organized to Compute Tach Time, Total Time, TSMOH, Hobbs and Locate Prop Information... Performed as needed. Re-attach Cockpit Door Release Placard... Re-attached Cabin Door Release placard using 3M emblem Adhesive as needed. Repair POH Binder & Organize... Performed as needed. Put Registration in POH... Removed old Registration & Installed New as Required. Organize Container Manuals... Performed as needed. Organize Logbooks... Performed as needed. Install Drink Cup Holders... Removed Ash Tray from center Console, Fabricated blank plate and installed in opening. Installed 2ea. New Customer Supplied Cup Holders as requested. LH Nav Lens broken... Removed faulty LH Wing Tip Nav Light Lens and Installed New Lens as needed. #5 CHT In-Op... Troubleshoot #5 CHT not working by Checking Connections at Probe Wire. Checked Satisfactory. Cleaned Spark Plug Contact Surface, Gasket Probe and Cylinder Contact Surface. Troubleshoot Fuel Pressure goes to Zero at Full Power... Troubleshoot Fuel Pressure goes to Zero at Full Power by Checking Electrical Connector at Pressure Sensor and Re-Seating. Troubleshoot Manifold Pressure Low... Performed initial Engine Run and Adjusted Waste Gate Controller as needed. Could not make specified Manifold Pressure. Applied Mouse Milk to Waste Gate and Performed 2nd Engine Run. No change in Manifold Pressure. Uncowled Engine and Inspected Turbo Impeller and Exhaust. No discrepancies found. Removed Waste Gate Controller See Item #51 for Corrective Action. Troubleshoot Pilots Annunciator Panel In-Op... Troubleshoot Pilots Annunciator Panel out and Found loose Connector. Re-Seated and Tightened Connector as needed. Operational Check Satisfactory. Aircraft Battery weak... Removed weak Battery and

Gesamtbe

9	10	11	12
Datum	Techn. Störungen, Unfälle, techn. Mängel	Datum	Wartungsarbeiten, Teilüberholungen 100-Std.-Nachprüfungen, angeordnete Nachprüfungen

MAKE: Extra
MODEL: 400
S/N: 10
REG. NO: N13EP
WORK ORDER: 1268



Aero Tech Services
Addison, TX 75001

DATE: 8/26/2017
A/C TSN:
HOBBS: 211.3

Airframe Entries


Install New Foam Door Seal.... Removed faulty Seal and Installed New Foam Seal on upper and lower Doors as needed.- Seal Aft Control Cable Fair Leads.... Sealed and Lubed as needed.- Re-Troubleshoot Cabin Pressurization In-Op.... Troubleshoot Cabin Pressurization In-Op by testing Pressurization Switch and Dump Switch. Found both Switches working properly. Performed Function Check of System with Squat Switch enabled and suspect Pressurization Relay not functioning properly.- Troubleshoot Pressurization In-Op.... Removed suspect Relay P/N M220D4N and Installed New Relay P/N Y-D4N-300M. Pressurization System still fails to Pressurize Cabin. Troubleshoot further and found Out-Flow Valve not operating properly. Checked wiring from Controller to Out-Flow Valve and found no faults in wiring. Found power to controller and to Out-Flow Valve. Checked Voltage at Pins 5, 6, 7 and Pin 9. Voltages check within parameters specified by Dukes Tech Support.- Confirm Power output readings at Out-Flow Valve.... Reconfirmed Power reading at Out-Flow Valve Connector as per Dukes Tech Representative Instructions. Voltages have no change when Cabin Altitude or Rate Knobs are manipulated.- Remove Pressurization Controller for Bench Check.... Removed Pressurization Controller P/N 5111-00-3 S/N 0002 for Inspection/ Repair by Duke's Aerospace under WO#R13185. Re-Installed same unit after repair by Outside Vendor.- Remove Out-Flow Valve for Bench Check.... Removed Outflow Valve P/N 5112-00-3 S/N 0006 for Inspection/ Repair by Duke's Aerospace under WO#R13186. Re-Installed same unit after repair by Outside Vendor.- Found 2" Tube from Inner-cooler to Pressurization/ Ram Air Box collapsed.... Found 2" Pressurization Tube with Inner material collapsed, positioned from Inner-cooler connect T to Pressurization/ Ram Air Valve Tube. Removed Tube, removed insulation and Installed on New Tube. Installed New Tube as needed.- Troubleshoot Manifold Pressure Low.... Performed initial Engine Run and Adjusted Waste Gate Controller as needed. Could not make specified Manifold Pressure. Applied Mouse Milk to Waste Gate and Performed 2nd Engine Run. No change in Manifold Pressure. Uncowled Engine and Inspected Turbo Impeller and Exhaust. No discrepancies found. Removed Waste Gate Controller See Item #51 for Corrective Action.

The work described above was performed and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details are on file at this facility under Work Order No. 1268.

DATE: 8/26/2017

SIGN:  AP 

Work Order: 1268

Pat Pennington, A&P: 

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Gesamtbetriebszeit des Luftfahrzeugs (seit der Herstellung)

Stunden

Unterschrift des verantw. Lfz.-Führers	Anzahl Besatzgs.- Mitglieder	Anzahl Fluggäste	5	6	7	8	
Landungen, Betriebszeit seit der letzten Grundüberholung des Luftfahrzeugs				Flug <u>von</u> <u>nach</u>	Zeit <u>Start</u> (GMT) Ldg.	Anzahl Landungen	Betriebszeit Std.
				Übertrag			

MAKE: Extra
MODEL: EA 400
SN: 010
REG. NO: N13EP
WORK ORDER:
0994-10-2017

Tubreaux Aviation Maintenance, LLC.
Shreveport, LA 71101
Phone: [REDACTED]

DATE: 10/6/2017
AVC TSN: 1091.5
HOBBS: 305.1

Airframe Entries

(1) Removed cowling, upper wing panels, aft bulkhead panel and aft fuselage panels. Inspected all bulkhead penetrations for sufficient sealant. Found to be minimal, resealed right and left firewall fittings and aft fuselage fittings. Found wing fittings were ok. Closed all removed panels and reinstalled cowling.

Maintenance Release

The aircraft and/or component(s) on N13EP was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at [REDACTED] facility under Work Order No. 0994-10-2017, Dated 10/6/2017.

DATE: 10/6/2017

SIGNED: [REDACTED]
Claude Bonner, IA, AP [REDACTED] A

Work Order: 0994-10-2017

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Gesamtbetriebszeit bei der letzten Grundüberholung des Luftfahrzeugs

Stunden übertragen

9 Datum	10 Techn. Störungen, Unfälle, techn. Mängel	11 Datum	12 Wartungsarbeiten, Teilüberholungen 100-Std.-Nachprüfungen, angeordnete Nachprüfungen
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MAKE: Extra
 MODEL: EA 400
 S/N: 010
 REG. NO: N13EP
 WORK ORDER:
 1038-11-2017

Tubreux Aviation Maintenance, LLC.
 [Redacted]
 Shreveport, LA 71107
 Phone: [Redacted]

DATE: 12/5/2017
 A/C TSN: 1107.7
 HOBBS: 321.3

Airframe Entries

(4) Jacked aircraft. Removed and installed customer furnished right main tire/tube assembly. Pressurized to max psi and leak checked with no defects found.... (6) Installed Lopresti Speed Merchants Boom Beam Landing Light System In accordance with STC SA02279AT and the Instruction Manual LSM-500-113 Rev. IR. Incorporated the ICAW Document from Page 10 of the manual into the aircrafts Maintenance Manual. Revised the aircrafts Equipment list to reflect this installation. No change to the current weight and balance.

Maintenance Release

The aircraft and/or component(s) on N13EP was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at this facility under Work Order No. 1038-11-2017, Dated 12/5/2017.

DATE: 12/5/2017

SIGNED: [Signature]
 Claude Bonner, IA: AP [Redacted] A

Work Order: 1038-11-2017

Printed by EBis 3 (datcomedia.com)

Gesamtbetriebszeit des Luftfahrzeugs (seit der Herstellung)

Stunden

1	2	3	4	5	6	7	8		
Datum	N13EP	SN: 10	HOBBS 313.0		Zeit (GMT)	Start Ldg.	Anzahl Landungen	Betrieb Std.	
andungen	<p>Removed the rudder for aircraft painting. Verified the rudders moment and reinstalled IAW: Maintenance Manual EA-400 CH 27 Page date September 2000. Rudder removed and balanced, Moment -35.47 in/lbs. Then the rudder was sanded down to the beginning of the gel coat above the composite structure, and painted. Rebalanced, Moment -35.87 in/lbs.</p> <p>Paint Codes: Black PXR-Q, Las Vegas Gold FLNA 5242</p> <p>Additional details on file Reference WO 201713</p> <p>██████████ ██████████</p> <p>██████████ A&P ██████████ 15NOV2017</p>				Übertrag				
Gesamtbetriebszeit bei der letzten Grundüberholung des Luftfahrzeugs					Stunden	übertragen			

10

11

12

Techn. Störungen, Unfälle,

Datum

Wartungsarbeiten, Teilüberholungen

100 Std. - Nachprüfungen, aneordnete Nachprüfungen

ENGINE LOG BOOK ENTRY

LOG# 62

Date:



Aircraft: N13EP

Acft Model: EA-400
Acft S/N: 10

Engine Model: IO-550
Engine S/N:

Prop Model:
Prop S/N:

Discrepancy: Manifold pressure low at decent.

Corrective Action: Inspected induction system. Inspected exhaust system. Lube waste gate. No defects noted. Ran engine, engine makes full power.

P/N ON:

S/N ON:

P/N OFF:

S/N OFF:

HOBBS/HOURS: 375.7

Completed by: Bruce Tamayo

A&P


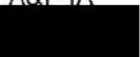
Gesamtbetriebszeit des Luftfahrzeugs (seit der Herstellung)

Stunden

Airframe Logbook Entry

Model:	Aircraft serial:	Registration:
EA 400	0010	N13EP
Date:	Tach:	HOBBS:
07/13/2018	17.9 TSMOH	412.3

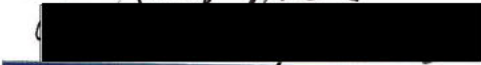
1. Drained engine oil from crankcase, removed engine oil filter P/N# CH48109-1, installed new engine oil filter P/N# CH48109-1, replenished engine crankcase with 10 QTS. Aero shell 100W oil. Ground run, operational check, and leak check performed with no defects found. All work done in accordance with Extra EA-400 Maintenance Manual chapter 12-10-05, revision 4, dated, 12 April 2000.


Delano Watts Jr.
A&P IA


This airframe was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for RETURN TO SERVICE.

Airgraphics

12542



Customer's Order No.	Department	Date				
Name		10/				
Tim Valentine						
Address						
City, State, Zip						
Sold By	Cash	C.O.D.	Charge	On Acct.	Mdse. Retd.	Paid Out

QUAN.	DESCRIPTION	PRICE	AMOUNT
1			
2	Paint Strips		
3			
4	Black met		
5			
6	Las vegas gold		
7			
8	Remove Rudder		
9			
10	And rebalance rudder		
11			
12			
13	1/2 Down \$		
14	CK# 1166		
15			
16			
17			
18			
19			

Received by

Adams DC6808

Keep this Slip for Reference