



OIL REPORT

LAB NUMBER: J58369
 REPORT DATE: 9/5/2017
 CODE: 35/10

UNIT ID: N518BP
 CLIENT ID: 9654
 PAYMENT: CC: Visa (Bulk)

| | | |
|-------------|---|--|
| UNIT | MAKE/MODEL: Continental IO-550-N (TN) | OIL TYPE & GRADE: Phillips XC (A/C) 20W/50 |
| | FUEL TYPE: Gasoline (Leaded) | OIL USE INTERVAL: 40 Hours |
| | ADDITIONAL INFO: Cirrus SR22T, Eng S/N 691339 | |

| | | |
|---------------|-------------------------|---|
| CLIENT | GERALD / SHAWN MATTHIES | PHONE: (800) 442-1333 |
| | WOODLAND AVIATION | FAX: (530) 759-6039 |
| | 25170 AVIATION AVE | ALT PHONE: (530) 297-2656 |
| | YOLO COUNTY AIRPORT | EMAIL: gmccardell@woodlandaviation.com, |
| | DAVIS, CA 95616 | ahawthorne@woodlandaviation.com, |

COMMENTS WOODLAND AVIATION: Silicon made another appearance in this latest sample, and we can't help but wonder if that shows some abrasive dirt is getting in. Cylinder-area metals (aluminum, chrome, iron) are on the high side, and that is a common result of dirt sneaking past air filtration. We aren't talking about cautionary levels of wear, but it's enough to warrant a close inspection of the air filtration system. Make sure the air filter is clean and the intake plumbing is sealed up nice and tight. Check the alt air door, too. No excess fuel, moisture, or insolubles showed up.

| | MI/HR on Oil | 40 | UNIT / LOCATION AVERAGES | 33 | 13 | 20 | 35 | 27 | UNIVERSAL AVERAGES |
|--------------------------------------|-------------------|-----------|---------------------------------|------------|-----------|-----------|-----------|-----------|---------------------------|
| | MI/HR on Unit | 1,579 | | 1,538 | 1,502 | 1,489 | 1,469 | 1,559 | |
| | Sample Date | 7/31/2017 | | 11/10/2016 | 6/23/2016 | 1/28/2016 | 9/30/2015 | 7/30/2015 | |
| ELEMENTS IN PARTS PER MILLION | Make Up Oil Added | | | | | | | | |
| | ALUMINUM | 12 | 8 | 8 | 19 | 15 | 22 | 12 | 7 |
| | CHROMIUM | 17 | 12 | 9 | 17 | 11 | 14 | 9 | 10 |
| | IRON | 70 | 62 | 44 | 92 | 54 | 54 | 46 | 53 |
| | COPPER | 4 | 9 | 5 | 4 | 7 | 5 | 7 | 7 |
| | LEAD | 4156 | 7266 | 3093 | 2498 | 5271 | 2984 | 3226 | 6587 |
| | TIN | 0 | 1 | 1 | 0 | 2 | 1 | 3 | 1 |
| | MOLYBDENUM | 5 | 4 | 3 | 8 | 4 | 7 | 4 | 4 |
| | NICKEL | 15 | 21 | 8 | 15 | 20 | 15 | 15 | 16 |
| | MANGANESE | 0 | 1 | 1 | 1 | 1 | 2 | 1 | 1 |
| | SILVER | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | TITANIUM | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| | POTASSIUM | 0 | 1 | 6 | 3 | 0 | 1 | 2 | 1 |
| | BORON | 0 | 1 | 0 | 1 | 1 | 1 | 2 | 1 |
| | SILICON | 21 | 7 | 19 | 24 | 8 | 31 | 30 | 6 |
| | SODIUM | 0 | 1 | 3 | 2 | 4 | 1 | 0 | 2 |
| | CALCIUM | 16 | 45 | 61 | 9 | 85 | 26 | 20 | 60 |
| | MAGNESIUM | 0 | 1 | 1 | 1 | 6 | 0 | 0 | 1 |
| | PHOSPHORUS | 132 | 525 | 55 | 35 | 155 | 34 | 25 | 355 |
| | ZINC | 0 | 5 | 3 | 2 | 5 | 3 | 3 | 5 |
| BARIUM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |

Values Should Be*

| PROPERTIES | SUS Viscosity @ 210°F | 98.4 | 86-105 | 95.8 | 91.2 | 95.9 | 93.4 | 95.9 |
|-------------------|-----------------------|-------|-----------|-------|-------|-------|-------|-------|
| | cSt Viscosity @ 100°C | 19.98 | 17.0-21.8 | 19.37 | 18.28 | 19.40 | 18.80 | 19.40 |
| | Flashpoint in °F | 465 | >430 | 470 | 505 | 465 | SHORT | 460 |
| | Fuel % | <0.5 | <1.0 | <0.5 | <0.5 | <0.5 | - | <0.5 |
| | Antifreeze % | - | | - | - | - | - | - |
| | Water % | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Insolubles % | 0.2 | <0.6 | 0.3 | 0.4 | 0.4 | 0.2 | 0.4 |
| | TBN | | | | | | | |
| | TAN | | | | | | | |
| | ISO Code | | | | | | | |

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

416 E. PETTIT AVE. FORT WAYNE, IN 46806 (260) 744-2380 www.blackstone-labs.com



25170 Aviation Ave.
Davis, CA 95616

August 29, 2017

Telephone: 800-442-1333

Fax: 530-759-6035



Bill To: Baywater Publishing
120 Constitution Dr.
Menlo Park, CA 94025

Invoice Number: INV17-00871

Account Code: BAYW002

P.O. Number:

Job Number:

Title: N518BP - ANNUAL*

Payment Type: On Account

Payment Terms: COD Upon
completion/delivery

Invoice Date: 08/29/2017

Exchange Rate: 1.000000 USD

INVOICE SUMMARY FOR WORK ORDER NUMBER: P16159

Registration Number: N518BP

| | <u>Time & Materials</u> | <u>Flat Rate</u> | <u>Total</u> |
|------------------|-----------------------------|----------------------|----------------------|
| Labor: | 0.00 USD | 11,493.00 USD | 11,493.00 USD |
| Parts: | 6,706.71 USD | 680.00 USD | 7,386.71 USD |
| Services: | 365.00 USD | 85.00 USD | 450.00 USD |
| Freight: | --- | --- | 572.21 USD |
| Total: | 7,071.71 USD | 12,258.00 USD | 19,901.92 USD |
| Tax: | | | 583.18 USD |
| Subtotal: | | | 20,485.10 USD |
| Total: | | | 20,485.10 USD |



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Note 1. Additional parts, labor, and/or service may be required to complete this discrepancy (squawk).

Payment Terms

Prices estimated are in US dollars. Sales tax as applicable @ 7.25%.

Shipping and handling (including "Priority shipping and handling" for warranty parts / services), and tax are additional and post upon work order closing to invoice.

Cores

If core is beyond economical repair, or if primary components which typically do not require replacement do in fact require replacement then core becomes devalued. Devalued cores charges are responsibility of the customer. Devalued cores invoices typically occur after aircraft maintenance completion and delivery. Upon receipt of a devalued core invoice Woodland Aviation will in-turn generate a sales invoice to the customer for payment.

Deposit Requirements

a. 100% parts & service estimated and ¼ of labor.

or

b. Annual, Phase, or Letter Inspection Flat rate fee prior to start of inspection (additional deposit may be required dependent on inspection findings and elected repairs).

or

c. As determined for specific maintenance/avionics request.

All labor, parts, services, shipping and handling, tax, and fuel provided (including past open invoices) are due upon completion and/or delivery unless prior approval received by VP Woodland Aviation, Inc..

Governing Law

This agreement is construed as having been made in the State of California. Any lawsuit to interpret or enforce this Agreement shall be brought in the State of California and exclusive jurisdiction shall lie with the courts located in the County of Yolo.

I hereby authorize Woodland Aviation, Inc. to complete the above listed work that has been initialed approved, providing the cost does not exceed the estimate by more than 10%. Woodland Aviation, Inc. will notify the owner or agent for the owner of any repair costs necessary in addition to the above items for approval before proceeding with any additional work.



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WO #: P16159

Invoice Number: INV17-00871

Item: 1. INSPECTION

Part/Model #:

Item Serial Number:

Registration Number: N518BP

Aircraft Serial Number: 2683

Discrepancy: 1.1. PERFORM ANNUAL INSPECTION

OIL TYPE AEROSHELL 100W AND CAMGUARD.

AIRWORTHY

Resolution: COMPLIED WITH AN ANNUAL INSPECTION THIS DATE PER FAR 43 APPENDIX D. ALL WORK COMPLETED IN ACCORDANCE WITH APPLICABLE MANUALS.

DRAINED OIL AND REMOVED FILTER. OPENED FILTER AND INSPECTED FOR METAL AND DEBRIS; NO DISCREPANCIES NOTED. OIL SAMPLE RECOVERED AND SENT OUT FOR ANALYSIS. INSTALLED NEW FILTER AND SERVICED ENGINE WITH 7 QUARTS AEROSHELL 100W ENGINE OIL AND 1 PINT OF CAMGUARD.

RUNUP AND LEAK CHECK NORMAL.

| | <u>Time & Materials</u> | <u>Flat Rate</u> | <u>Total</u> |
|-----------------|-----------------------------|---------------------|---------------------|
| Labor: | 0.00 USD | 3,520.00 USD | 3,520.00 USD |
| Parts: | 168.61 USD | --- | 168.61 USD |
| Freight: | 7.50 USD | --- | 7.50 USD |
| Total: | 176.11 USD | 3,520.00 USD | 3,696.11 USD |

Parts:

| <u>Ref. No.</u> | <u>Part number</u> | <u>Description</u> | <u>Quantity</u> | <u>Sell price</u> | <u>Extended</u> |
|-----------------|--------------------|------------------------------------|-----------------|-------------------|-----------------|
| 1.1.7 #1 | OIL SAMPLE KIT | ENG OIL ANALYSIS - BLACKSTONE KITS | 1.00 | 29.50 USD | 37.00 USD |
| | | | Freight: | 7.50 USD | |
| 1.1.7 #2 | AA48108-2 | Tempest Oil Filter | 1.00 | 30.00 USD | 30.00 USD |
| 1.1.7 #3 | OIL011 | AEROSHELL 100W QUARTS (DETERGENT) | 7.00 | 8.67 USD | 60.69 USD |
| 1.1.7 #4 | CAMGUARD-AVIA | CAMGUARD, AVIATION OIL ADDITIVE | 1.00 | 26.75 USD | 26.75 USD |
| 1.1.7 #5 | M-674 | GASKET 18MM COPPER | 12.00 | 0.92 USD | 11.04 USD |
| 1.1.7 #6 | NAS1523-8B | STAT-O-SEAL | 1.00 | 5.33 USD | 5.33 USD |
| 1.1.7 #7 | MS29513-137 | SEAL | 1.00 | 1.22 USD | 1.22 USD |
| 1.1.7 #8 | 51698-001 | TEMPERATURE LABEL (20) | 2.00 | 1.02 USD | 2.04 USD |
| 1.1.7 #9 | 51698-003 | STICKER, TEMPERATURE SENSOR | 2.00 | 1.02 USD | 2.04 USD |



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Discrepancy: 1.2. COMPLY WITH DIFFERENTIAL COMPRESSION CHECK PER CMI STANDARD PRACTICES MAINTENANCE MANUAL.

AIRWORTHY

COMPRESSION TEST RESULTS:
#1- 64/80, #2- 61/80, #3- 72/80
#4- 71/80, #5- 68/80, #6- 70/80.

MASTER ORIFICE: 43/80

Resolution: COMPLIED WITH DIFFERENTIAL COMPRESSION CHECK PER CMI STANDARD PRACTICES MAINTENANCE MANUAL, OR TEXTRON LYCOMING SERVICE INSTRUCTION 1191A.

COMPRESSION TEST RESULTS:
#1- 64/80, #2- 61/80, #3- 72/80
#4- 71/80, #5- 68/80, #6- 70/80.

MASTER ORIFICE: 43/80

Discrepancy: 1.3. COMPLY WITH AIRCRAFT POST-INSPECTION TEST FLIGHT.

LEAK CHECK ENGINE/ENGINES AFTER TEST FLIGHT.

PREVENTIVE MAINTENANCE.

Resolution: COMPLETED TEST FLIGHT PER WOODLAND AVIATION POST-ANNUAL INSPECTION TEST FLIGHT CHECKLIST.

| | <u>Time & Materials</u> | <u>Flat Rate</u> | <u>Total</u> |
|---------------|-----------------------------|-------------------|-------------------|
| Labor: | 0.00 USD | 175.00 USD | 175.00 USD |
| Total: | 0.00 USD | 175.00 USD | 175.00 USD |

Discrepancy: 1.4. COMPLY WITH FAR 91.207 (D) ELT INSPECTION.

BATTERY DUE SEP/2018.

REMOVE ELT. OPEN AND INSPECT FOR CORROSION. REPLACE BATTERY IF NECESSARY. CLOSE ELT AND TEST G-LIMIT SENSOR. REINSTALL ELT AND TEST WITH REMOTE SWITCH AS APPLICABLE.

AIRWORTHY

Resolution: COMPLIED WITH FAR 91.207 (D) BY INSPECTION AND OPERATIONAL TEST OF ELT WITH NO DEFECTS NOTED.

BATTERY DUE SEP/2018.

Discrepancy: 1.5. 12-MONTH INSPECTION AND REWEIGH OF FIRE EXTINGUISHER IS DUE.

COMPLY WITH 12-MONTH VISUAL INSPECTION AND PHYSICAL REWEIGH.

AIRWORTHY

Resolution: COMPLIED WITH 12-MONTH INSPECTION AND REWEIGH OF PORTABLE FIRE EXTINGUISHER. WEIGHT = 504G

Discrepancy: 1.6. VERIFY PROPELLER RPM AND TACHOMETER ACCURACY WITH STROBE TACHOMETER.

COMPLY WITH INSPECTION AS REQUIRED.

PREVENTIVE MAINTENANCE

Resolution: VERIFIED PROPELLER RPM AND TACHOMETER ACCURACY WITH STROBE TACHOMETER. NO DISCREPANCIES NOTED.



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Discrepancy: 1.7. PERFORM POST ANNUAL ENGINE COMPARTMENT RINSE AND 100-HOUR/ANNUAL RECURRING LUBRICATION OF ENGINE CONTROLS.

COMPLY WITH SERVICE BULLETIN AS REQUIRED.

PREVENTIVE MAINTENANCE

Resolution: COMPLIED WITH 100-HOUR/ANNUAL, RECURRING LUBRICATION OF ENGINE CONTROLS AFTER WASHING ENGINE.

Discrepancy: 1.8. COMPLY WITH CIRRUS MANDATORY SB 2X-32-19R3, NOSE LANDING GEAR ASSEMBLY UPPER GUSSET PLATE INSPECTION.

PREVENTIVE MAINTENANCE

Resolution: COMPLIED WITH CIRRUS MANDATORY SB 2X-32-19R3, NOSE LANDING GEAR ASSEMBLY UPPER GUSSET PLATE INSPECTION.

NO DEFECTS NOTED.

Discrepancy: 1.9. VERIFY CORRECT POSITION OF GAMI/TUNED FUEL INJECTION NOZZLES.

COMPLY WITH INSPECTION AS REQUIRED.

PREVENTIVE MAINTENANCE

Resolution: VERIFIED CORRECT POSITION OF GAMI/TUNED FUEL INJECTOR NOZZLES.

Discrepancy: 1.10. COMPLY WITH TAT SYSTEM INSTRUCTIONS FOR CONTINUED AIRWORTHINESS

- INSPECTION INCLUDED WITH ANNUAL.
- INSPECTION FINDING REPAIRS ARE IN ADDITION.
- SEE NOTE 1.

PREVENTIVE MAINTENANCE

Resolution: COMPLIED WITH TAT SYSTEM INSTRUCTIONS FOR CONTINUED AIRWORTHINESS

Discrepancy: 1.11. COMPLY WITH PRECISE FLIGHT O2 SYSTEM INSTRUCTIONS FOR CONTINUED AIRWORTHINESS

- INSPECTION INCLUDED WITH ANNUAL.
- SOME MODEL AIRCRAFT WILL REQUIRE FLIGHT TO ALTITUDE TO CHECK OXYGEN ANNUNCIATOR LIGHT.
- INSPECTION FINDING REPAIRS ARE IN ADDITION.
- SEE NOTE 1.

PREVENTIVE MAINTENANCE

Resolution: COMPLIED WITH PRECISE FLIGHT O2 SYSTEM INSTRUCTIONS FOR CONTINUED AIRWORTHINESS.

AIRCRAFT REQUIRES TEST FLIGHT TO ALTITUDE TO CHECK OXYGEN ANNUNCIATOR LIGHT.

Discrepancy: 1.12. COMPLY WITH GAMIJECTOR INSTRUCTIONS FOR CONTINUED AIRWORTHINESS

PREVENTIVE MAINTENANCE

Resolution: COMPLIED WITH GAMIJECTOR INSTRUCTIONS FOR CONTINUED AIRWORTHINESS.

INJECTORS REMOVED CLEANED AND REINSTALLED UNDER SQUAWK 8.1

Discrepancy: 1.13. COMPLY WITH TAT SI08-05, 100 HOUR INSPECTION AND CLEANING INDUCTION SYSTEM FILTER.

LABOR INCLUDED WITH ANNUAL SERVICING.

PREVENTIVE MAINTENANCE

Resolution: COMPLIED WITH TAT SI08-05, 100 HOUR INSPECTION AND CLEANING OF INDUCTION SYSTEM FILTER.



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Discrepancy: 1.14. COMPLY WITH TAT SB09-01, 50 HOUR INSPECTION OF THE EXHAUST MANIFOLD FLANGE.

- INSPECTION INCLUDED WITH ANNUAL.
- INSPECTION FINDING REPAIRS ARE IN ADDITION.
-- SEE NOTE 1.

PREVENTIVE MAINTENANCE

Resolution: COMPLIED WITH TAT SB09-01, 50 HOUR INSPECTION OF THE EXHAUST MANIFOLD FLANGE. NO DEFECTS NOTED AT THIS TIME.

Discrepancy: 1.15. COMPLY WITH TAT SB11-04, ANNUAL TURBO OIL INLET SCREEN INSPECTION

PREVENTIVE MAINTENANCE

Resolution: COMPLIED WITH TAT SB11-04, ANNUAL TURBO OIL INLET SCREEN INSPECTION. REMOVED, CLEANED AND INSTALLED TURBO INLET SCREENS. OPERATIONAL AND LEAK CHECK NORMAL.

Discrepancy: 1.16. COMPLY WITH TAT SB11-03, ANNUAL TURBO SUPPORT INSPECTION

- INSPECTION INCLUDED WITH ANNUAL.
- INSPECTION FINDING REPAIRS ARE IN ADDITION.
-- SEE NOTE 1.

PREVENTIVE MAINTENANCE

Resolution: COMPLIED WITH TAT SB11-03, ANNUAL TURBO SUPPORT INSPECTION NO DEFECTS NOTED AT THIS TIME.

Discrepancy: 1.17. COMPLY WITH TAT SB12-02, ANNUAL ENGINE DRIVEN FUEL PUMP INSPECTION

- INSPECTION INCLUDED WITH ANNUAL.
- INSPECTION FINDING REPAIRS ARE IN ADDITION.
-- SEE NOTE 1.

PREVENTIVE MAINTENANCE

Resolution: COMPLIED WITH TAT SB12-02, ANNUAL ENGINE DRIVEN FUEL PUMP INSPECTION NO DEFECTS NOTED AT THIS TIME.

Discrepancy: 1.18. COMPLY WITH TAT SB11-01, ANNUAL EXHAUST SYSTEM INSPECTION.

- INSPECTION INCLUDED WITH ANNUAL.
- INSPECTION FINDING REPAIRS ARE IN ADDITION.
-- SEE NOTE 1.

PREVENTIVE MAINTENANCE

Resolution: COMPLIED WITH TAT SB11-01, ANNUAL EXHAUST SYSTEM INSPECTION. NO DEFECTS NOTED AT THIS TIME.

Discrepancy: 1.19. COMPLY WITH TAT SI08-1, 50 HOUR INSPECTION AND CLEANING OF CRANKCASE BREATHER FITTING

PREVENTIVE MAINTENANCE

Resolution: COMPLIED WITH TAT SI08-1, 50 HOUR INSPECTION AND CLEANING OF CRANKCASE BREATHER FITTING



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Discrepancy: 1.20. COMPLY WITH TAT SB10-01, INSPECTION OF HINGE PIN ENDS ON THE ALTERNATE AIR DOOR FOR CRACKS, LOOSE RIVETS AND / OR MISSING RETENTION METHODS.

- INSPECTION INCLUDED WITH ANNUAL.
- INSPECTION FINDING REPAIRS ARE IN ADDITION.
- SEE NOTE 1.

PREVENTIVE MAINTENANCE

Resolution: COMPLIED WITH TAT MANDATORY SB 10-01, BY INSPECTION OF THE HINGE PIN ENDS FOR RETENTION. INSPECTED ALTERNATE AIR DOOR FOR CRACKS, LOOSE RIVETS AND OR MISSING RETENTION METHODS.

NO DEFECTS NOTED.

Discrepancy: 1.21. COMPLY WITH TATURBO SI 08-04 RECOMMENDED ANNUAL EXHAUST HEAT AUGMENTER / TAILPIPE ASSEMBLE FOR SIGNS OF CRACKING.

- INSPECTION INCLUDED WITH ANNUAL.
- INSPECTION FINDING REPAIRS ARE IN ADDITION.
- SEE NOTE 1.

PREVENTIVE MAINTENANCE

Resolution: COMPLIED WITH TATURBO SI 08-04 RECOMMENDED ANNUAL EXHAUST HEAT AUGMENTER / TAILPIPE ASSEMBLY FOR SIGNS OF CRACKING. NO DEFECTS NOTED.

Discrepancy: 1.22. CHECK AIRWORTHINESS CERTIFICATE, VERIFY IT IS IN THE AIRCRAFT, AND HAS THE CURRENT N NUMBER.

CHECK REGISTRATION, VERIFY EXPIRATION DATE AND THAT IT IS ALSO IN THE AIRCRAFT.

Resolution: AIRWORTHINESS CERTIFICATE IS CORRECT AND IN AIRCRAFT

REGISTRATION EXPIRATION MARCH 31, 2019



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Discrepancy: 1.24. 5 YR OXYGEN BOTTLE HYDROSTATIC TESTING DUE 3/31/2017.

REMOVE AND SEND FOR HYDROSTATIC TESTING.

AIRWORTHY

Resolution: REMOVED OXYGEN CYLINDER AND SENT OUT FOR HYDROSTATIC TEST. REINSTALLED AFTER HYDROSTATIC TEST PERFORMED BY C & L AERO, REDDING, CA; CRS# L0JR785Y, WORK ORDER# 00959. SERVICED WITH OXYGEN TO 1850 PSI. NO LEAKS NOTED. NEXT HYDROSTATIC CHECK DUE: 8/2022.

| | <u>Time & Materials</u> | <u>Flat Rate</u> | <u>Total</u> |
|------------------|-----------------------------|-------------------|-------------------|
| Labor: | 0.00 USD | 315.00 USD | 315.00 USD |
| Services: | 150.00 USD | --- | 150.00 USD |
| Freight: | 66.70 USD | --- | 66.70 USD |
| Total: | 216.70 USD | 315.00 USD | 531.70 USD |

Parts:

| <u>Ref. No.</u> | <u>Part number</u> | <u>Description</u> | <u>Quantity</u> | <u>Sell price</u> | <u>Extended</u> |
|-----------------|--------------------|--------------------------|-----------------|-------------------|-----------------|
| 1.24 #1 | HD 07110 | NUT 3/16 STAINLESS STEEL | 1.00 | 0.00 USD | 0.00 USD |
| 1.24 #2 | HD 07110 | NUT 3/16 STAINLESS STEEL | 1.00 | 0.00 USD | 0.00 USD |

Services:

| <u>Ref. No.</u> | <u>Description</u> | <u>Quantity</u> | <u>Sell Price</u> | <u>Extended</u> |
|------------------|---|-----------------|-------------------|-----------------|
| 1.24 #1 | Outside Service/Labor - OXYGEN BOTTLE HYDRO DUE | 1.00 | 65.00 USD | 65.00 USD |
| Part Ref: | 102N0100-1 CIRRUS FIXED OXYGEN SYSTEM, REV. C Serial Number(s) 1270152-3 | | | |
| 1.24 #2 | Outside Service/Part - OXYGEN BOTTLE HYDRO DUE | 1.00 | 85.00 USD | 151.70 USD |
| Part Ref: | 102N0100-1 CIRRUS FIXED OXYGEN SYSTEM, REV. C Serial Number(s) 1270152-3 | | | |

Freight: **66.70 USD**



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Discrepancy: 1.25. COMPLY WITH 10 YEAR MANDATORY REPLACEMENT OF ENGINE COMPARTMENT FLAMMABLE FLUID CARRYING HOSES PER TORNADO ALLEY (TAT) INSTRUCTIONS FOR CONTINUED AIRWORTHINESS.

DUE BY 9/30/2017.

AIRWORTHY.

Resolution: COMPLIED WITH 10 YEAR MANDATORY REPLACEMENT OF ENGINE COMPARTMENT FLEXIBLE FLUID CARRYING HOSES SYSTEM PER CHAPTER 4 AIRWORTHINESS LIMITATIONS SECTION OF TAT TURBO INSTRUCTIONS FOR CONTINUED AIRWORTHINESS. INSTALLED NEW HOSES AS REQUIRED. OPERATIONAL AND LEAK CHECKED NORMAL.

| | <u>Time & Materials</u> | <u>Flat Rate</u> | <u>Total</u> |
|-----------------|-----------------------------|---------------------|---------------------|
| Labor: | 0.00 USD | 1,400.00 USD | 1,400.00 USD |
| Parts: | 2,870.00 USD | --- | 2,870.00 USD |
| Freight: | 92.22 USD | --- | 92.22 USD |
| Total: | 2,962.22 USD | 1,400.00 USD | 4,362.22 USD |

Parts:

| <u>Ref. No.</u> | <u>Part number</u> | <u>Description</u> | <u>Quantity</u> | <u>Sell price</u> | <u>Extended</u> |
|-----------------|--------------------|---|-----------------|-------------------|-----------------|
| 1.25 #1 | 124J002-3CR0140 | HOSE: MED PRESSURE,PTFE, REIN ST,REF: | 1.00 | 220.00 USD | 220.00 USD |
| 1.25 #2 | 124J002-3CR0081 | HOSE: MED PRESSURE,PTFE | 1.00 | 200.00 USD | 200.00 USD |
| 1.25 #3 | 124F001-4CR0070 | HOSE: MED PRESSURE,PTFE, REIN ST,REF: | 1.00 | 90.00 USD | 90.00 USD |
| 1.25 #4 | 124J001-4CR0076 | HOSE: MED PRESSURE,PTFE | 1.00 | 95.00 USD | 95.00 USD |
| 1.25 #5 | 124J001-4CR0100 | HOSE: MED PRESSURE,PTFE, REIN ST,REF: | 1.00 | 110.00 USD | 110.00 USD |
| 1.25 #6 | 124J001-4CR0120 | HOSE: MED PRESSURE,PTFE, REIN ST,REF: | 1.00 | 115.00 USD | 115.00 USD |
| 1.25 #7 | 124F003-4CR0104 | HOSE: MED PRESSURE,PTFE | 1.00 | 135.00 USD | 135.00 USD |
| 1.25 #8 | 124J003-4CR0360 | HOSE: MED PRESSURE,PTFE,ASSEMBLY, REIN ST,REF: E06-1-17 | 1.00 | 215.00 USD | 215.00 USD |
| 1.25 #9 | 124F002-4CR0140 | HOSE: MED PRESSURE, PTFE | 1.00 | 140.00 USD | 140.00 USD |
| 1.25 #10 | 124J002-4CR0227 | HOSE: MED PRESSURE,PTFE, | 1.00 | 180.00 USD | 180.00 USD |
| 1.25 #11 | 124J008B0200C280 | HOSE: MED PRESSURE,PTFE | 1.00 | 205.00 USD | 205.00 USD |
| 1.25 #12 | 124J001-8CR0190 | HOSE: MED PRESSURE,PTFE, REIN ST,REF: | 2.00 | 220.00 USD | 440.00 USD |
| 1.25 #13 | 124J002-8CR0120 | HOSE: MED PRESSURE,PTFE, REIN ST,REF: | 1.00 | 245.00 USD | 245.00 USD |
| 1.25 #14 | 124J012E0207C130 | HOSE: MED PRESSURE,PTFE | 1.00 | 360.00 USD | 452.22 USD |
| | | | Freight: | 92.22 USD | |
| 1.25 #15 | 156F001-6D0080 | HOSE: MED PRESSURE,RUBBER, REIN ST,REF: | 1.00 | 120.00 USD | 120.00 USD |

Services:

| <u>Ref. No.</u> | <u>Description</u> | <u>Quantity</u> | <u>Sell Price</u> | <u>Extended</u> |
|-----------------|--|-----------------|-------------------|-----------------|
| 1.25 #1 | Outside Service/Part - FABRICATE NEW ENG HOSES | 1.00 | 0.00 USD | 0.00 USD |



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Discrepancy: 1.26. COMPLY WITH CIRRUS MANDATORY SB2X-28-12 ELECTRIC FUEL BOOST PUMP INSPECTION.
INSPECT FUEL BOOST PUMP FOR LEAKS AND UPDATE POH WITH TEMPORARY REVISIONS.
PREVENTIVE MAINTENANCE

Resolution: COMPLIED WITH CIRRUS SB2X-28-12 ELECTRIC FUEL BOOST PUMP INSPECTION. NO LEAKS NOTED.

Discrepancy: 1.27. COMPLY WITH CIRRUS MANDATORY SB2X-52-08R2 PASSENGER & CREW DOORS CATCHER/DIVERTER AND INSTALLATION OF NEW METAL ROD ENDS ON GAS STRUTS.

THIS SERVICE BULLETIN INSTALLS REDESIGNED CATCHERS/DIVERTERS TO THE GAS STRUT FORWARD ATTACH BRACKETS TO RETAIN A DISLODGED GAS STRUT AND ELIMINATE THE LIKELIHOOD OF A CONTROL YOU INTERFERENCE. ADDITIONALLY, THIS SERVICE BULLETIN INSTALLS NEW CABIN DOOR GAS STRUT METAL ROD ENDS.

PREVENTIVE MAINTENANCE.

Resolution: COMPLIED WITH CIRRUS MANDATORY SB2X-52-08R2 PASSENGER & CREW DOORS CATCHER/DIVERTER AND GAS STRUT METAL ROD END INSTALLATION.

INSTALLED NEW DIVERTERS AND METAL GAS STRUT ROD ENDS.

| | <u>Time & Materials</u> | <u>Flat Rate</u> | <u>Total</u> |
|-----------------|-----------------------------|-------------------|-------------------|
| Labor: | 0.00 USD | 280.00 USD | 280.00 USD |
| Parts: | 117.71 USD | --- | 117.71 USD |
| Freight: | 19.04 USD | --- | 19.04 USD |
| Total: | 136.75 USD | 280.00 USD | 416.75 USD |

Parts:

| <u>Ref. No.</u> | <u>Part number</u> | <u>Description</u> | <u>Quantity</u> | <u>Sell price</u> | <u>Extended</u> |
|-----------------|--------------------|--|-----------------|-------------------|------------------|
| 1.27 #1 | 70544-001 | SERVICE BULLETIN, KIT, DOOR STRUT AND CATCHER, G2 TYPE 1 | 1.00 | 117.71 USD | 136.75 USD |
| | | | | Freight: | 19.04 USD |

Discrepancy: 1.28. COMPLY WITH CIRRUS MANDATORY SB2X-57-13R2, LOWER LANDING GEAR ATTACH BRACKET TORQUE CHECK.

PREVENTIVE MAINTENANCE

Resolution: COMPLIED WITH CIRRUS MANDATORY SB2X-57-13R2, LOWER LANDING GEAR ATTACH BRACKET TORQUE CHECK. FOUND LANDING GEAR GAP MEASUREMENT BEYOND LIMITS. ADJUSTED GAP MEASUREMENT TO SPEC.

| | <u>Time & Materials</u> | <u>Flat Rate</u> | <u>Total</u> |
|---------------|-----------------------------|-------------------|-------------------|
| Labor: | 0.00 USD | 280.00 USD | 280.00 USD |
| Total: | 0.00 USD | 280.00 USD | 280.00 USD |

Discrepancy: 1.29. 500 HOUR ENGINE MOUNT WELDMENT AND LOWER MOUNT ATTACH FITTING ATTACH BOLT TORQUE CHECK.

LAST ACCOMPLISHED: 3/17/2011 @ 766.0.

PREVENTIVE MAINTENANCE.

Resolution: COMPLIED WITH FIRST 500 HOUR ENGINE MOUNT WELDMENT AND LOWER MOUNT ATTACH FITTING ATTACH BOLT TORQUE CHECK. NO DEFECTS NOTED.

| | <u>Time & Materials</u> | <u>Flat Rate</u> | <u>Total</u> |
|---------------|-----------------------------|------------------|------------------|
| Labor: | 0.00 USD | 91.00 USD | 91.00 USD |
| Total: | 0.00 USD | 91.00 USD | 91.00 USD |



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Item: 2. INTERIOR

Part/Model #:

Item Serial Number:

Registration Number: N518BP

Aircraft Serial Number: 2683

Discrepancy: 2.1. CUSTOMER REPORTS ALTERNATE AIR SWITCH COVER (PILOT SIDE, NEAR THE FUSE PANEL) LOOSE AND REQUIRES TO BE READHERED.

PREVENTIVE MAINTENANCE

Resolution: CLEANED AND PREPPED ALTERNATE AIR TRIM PANEL, REINSTALLED USING 1300L ADHESIVE.

| | Time & Materials | Flat Rate | Total |
|---------------|------------------|------------------|------------------|
| Labor: | 0.00 USD | 42.00 USD | 42.00 USD |
| Total: | 0.00 USD | 42.00 USD | 42.00 USD |

Discrepancy: 2.2. CUSTOMER REPORTS THE PILOT DOOR INTERIOR PLASTIC PANEL IS COMING LOOSE.

READHERE DUAL LOCK VELCRO.
SEE NOTE 1.

PREVENTIVE MAINTENANCE

Resolution: READHERED PILOT SIDE DOOR INTERIOR PANEL USING DUAL LOCK

| | Time & Materials | Flat Rate | Total |
|---------------|------------------|------------------|------------------|
| Labor: | 0.00 USD | 70.00 USD | 70.00 USD |
| Total: | 0.00 USD | 70.00 USD | 70.00 USD |

Discrepancy: 2.3. HOBBS METER DEBONDED FROM MOUNT.

REPLACE FACTORY MOUNTING TAPE

PREVENTIVE MAINTENANCE

Resolution: REMOVED DEBONDED VHB TAPE FROM HOBBS AND FLIGHT METERS. CLEANED, PREPPED AND REINSTALLED USING NEW FACTORY VHB TAPE.

| | Time & Materials | Flat Rate | Total |
|---------------|------------------|------------------|------------------|
| Labor: | 0.00 USD | 35.00 USD | 35.00 USD |
| Total: | 0.00 USD | 35.00 USD | 35.00 USD |

Discrepancy: 2.4. PILOTS YOKE SECONDARY STOP CONTACTING BEFORE PRIMARY WITH ELEVATOR UP INPUT.

ADJUST PILOTS YOKE ELEVATOR UP STOP.

AIRWORTHY

Resolution: ADJUSTED PILOTS YOKE SECONDARY ELEVATOR UP STOP PER THE AMM 27-30. SECURED ATTACHING HARDWARE.

| | Time & Materials | Flat Rate | Total |
|---------------|------------------|------------------|------------------|
| Labor: | 0.00 USD | 70.00 USD | 70.00 USD |
| Total: | 0.00 USD | 70.00 USD | 70.00 USD |



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Discrepancy: 2.5. OXYGEN SERVICE CHARGE AFTER HYDROSTATIC CHECK.

AIRWORTHY

Resolution: SERVICED OXYGEN SYSTEM WITH AVIATORS BREATHING OXYGEN TO 1850 PSI.

| | <u>Time & Materials</u> | <u>Flat Rate</u> | <u>Total</u> |
|---------------|-----------------------------|------------------|------------------|
| Parts: | 70.00 USD | --- | 70.00 USD |
| Total: | 70.00 USD | 0.00 USD | 70.00 USD |

Parts:

| <u>Ref. No.</u> | <u>Part number</u> | <u>Description</u> | <u>Quantity</u> | <u>Sell price</u> | <u>Extended</u> |
|-----------------|--------------------|--------------------|-----------------|-------------------|-----------------|
| 2.5 #1 | OXYGEN REFILL | OXYGEN REFILL | 1.00 | 70.00 USD | 70.00 USD |

Discrepancy: 2.6. POST MAINTENANCE FLIGHT DISCREPANCY; THE HOBBS METER AND FLIGHT HOUR METER RUN AT THE SAME RATE.

INSTALL NEW PRESSURE SWITCH

Resolution: INSTALLED NEW FLIGHT METER PRESSURE SWITCH P/N 14128-001. TORQUED AND SECURED ATTACHING HARDWARE.

Parts:

| <u>Ref. No.</u> | <u>Part number</u> | <u>Description</u> | <u>Quantity</u> | <u>Sell price</u> | <u>Extended</u> |
|-----------------|--------------------|-------------------------------|-----------------|-------------------|-----------------|
| 2.6 #1 | 14128-001 | SWITCH, DIFFERENTIAL PRESSURE | 1.00 | 0.00 USD | 0.00 USD |

Discrepancy: 2.7. POST MAINTENANCE FLIGHT DISCREPANCY; THE PILOT BOSE JACK IS EXTENDED FULLY UP.

ADJUST HEADSET JACK.

Resolution: ADJUSTED PILOT HEADSET JACK TO PROPER POSITION.



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Item: 3. AIRFRAME

Part/Model #:

Item Serial Number:

Registration Number: N518BP

Aircraft Serial Number: 2683

Discrepancy: 3.1. CUSTOMER REPORTS PILOT DOOR UPPER LATCH HAS A BROKEN SPRING.

- REPLACE PILOTS DOOR LATCH WITH BROKEN SPRING.
- RE-CHECK PILOT DOOR CLOSING AND RIG.
- SEE NOTE 1.

PREVENTIVE MAINTENANCE

Resolution: INSTALLED NEW PILOTS DOOR UPPER LATCH PART NUMBER 21861-001. ADJUSTED DOOR LATCH CABLE TENSION PER CIRRUS AMM 52-00. CLOSED DOOR AND NOTED UPPER LATCH WAS HARD TO UNLATCH.

FOUND LOWER LATCH ACTUATOR ARM GAP OUT OF SPEC. REMOVED ACTUATOR ARM, CLEANED AND REINSTALLED WITH LOCTITE PRIMER AND 262. SET GAP PER CIRRUS AMM 52-00 AND SECURED. OPERATIONAL CHECK OF PILOTS DOOR LATCH SYSTEM GOOD.

| | Time & Materials | Flat Rate | Total |
|-----------------|-------------------|-------------------|-------------------|
| Labor: | 0.00 USD | 140.00 USD | 140.00 USD |
| Parts: | 93.63 USD | --- | 93.63 USD |
| Freight: | 10.61 USD | --- | 10.61 USD |
| Total: | 104.24 USD | 140.00 USD | 244.24 USD |

Parts:

| Ref. No. | Part number | Description | Quantity | Sell price | Extended |
|----------|-------------|---|----------|------------|------------------|
| 3.1 #1 | 21861-001 | LATCH, ROTARY STEEL HSG CABIN DOOR, LH | 1.00 | 93.63 USD | 104.24 USD |
| | | | | Freight: | 10.61 USD |

Discrepancy: 3.2. EXTERIOR PLACARDS WORN/FADED AS FOLLOWS:

- 1) LEFT ELEVATOR "NO PUSH".
- 2) LH & RH CABIN DOOR RESCUE.
- 3) DE-ICE DRAIN.
- 4) LH & RH WING "NO STEP".

REPLACE PLACARDS

PREVENTIVE MAINTENANCE

Resolution: INSTALLED NEW 1,2, AND 4 PLACARDS.FROM LIST.
FABRICATED AND INSTALLED DE-ICE DRAIN PLACARD.

| | Time & Materials | Flat Rate | Total |
|---------------|------------------|-------------------|-------------------|
| Labor: | 0.00 USD | 168.00 USD | 168.00 USD |
| Parts: | 12.58 USD | --- | 12.58 USD |
| Total: | 12.58 USD | 168.00 USD | 180.58 USD |

Parts:

| Ref. No. | Part number | Description | Quantity | Sell price | Extended |
|----------|-------------|-----------------------------------|----------|------------|----------|
| 3.2 #1 | 12431-013 | PLACARD, NO PUSH, BLACK TEXT | 1.00 | 4.78 USD | 4.78 USD |
| 3.2 #2 | 12437-007 | GRAPHIC OVERLAY, RESCUE, WHITE | 2.00 | 2.00 USD | 4.00 USD |
| 3.2 #3 | 12433-001 | NO STEP PLACARD | 2.00 | 1.90 USD | 3.80 USD |



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Item: 4. FUSELAGE AND TAIL

Part/Model #:

Item Serial Number:

Registration Number: N518BP

Aircraft Serial Number: 2683

Discrepancy: 4.1. LH AND RH BELLY HEAT SHIELDS DEBONDED.

REPLACE FACTORY MOUNTING TAPE.

PREVENTIVE MAINTENANCE

Resolution: REMOVED DEBONDED SECTIONS OF MOUNTING TAPE FROM LEFT AND RIGHT BELLY HEAT SHIELD. INSTALLED NEW MOUNTING TAPE AS NECESSARY.

| | <u>Time & Materials</u> | <u>Flat Rate</u> | <u>Total</u> |
|---------------|-----------------------------|-------------------|-------------------|
| Labor: | 0.00 USD | 280.00 USD | 280.00 USD |
| Total: | 0.00 USD | 280.00 USD | 280.00 USD |

Discrepancy: 4.4. BOTH DOOR STRUTS WEAK INSTALL NEW DOOR STRUTS.

LABOR ESTIMATE TAKES INTO CONSIDERATION REPLACEMENT IN CONJUNCTION WITH SQUAWK 1.27. FOR DOOR CATCHER/DIVERTERS.

PREVENTIVE MAINTENANCE

Resolution: INSTALLED NEW LEFT AND RIGHT DOOR STRUTS P/N 18200-004

| | <u>Time & Materials</u> | <u>Flat Rate</u> | <u>Total</u> |
|-----------------|-----------------------------|------------------|------------------|
| Parts: | 50.00 USD | --- | 50.00 USD |
| Freight: | 12.78 USD | --- | 12.78 USD |
| Total: | 62.78 USD | 0.00 USD | 62.78 USD |

Parts:

| <u>Ref. No.</u> | <u>Part number</u> | <u>Description</u> | <u>Quantity</u> | <u>Sell price</u> | <u>Extended</u> |
|-----------------|--------------------|--------------------|-----------------|-------------------|------------------|
| 4.4 #1 | 18200-004 | GAS STRUT | 2.00 | 25.00 USD | 62.78 USD |
| | | | | Freight: | 12.78 USD |

Discrepancy: 4.5. UPPER ANTENNAS SEALS ARE DRIED OR MISSING.

REMOVE REMAINING AERODYNAMIC SEALANT AROUND UPPER ANTENNAS. MASK AND RESEAL.

PREVENTIVE MAINTENANCE

Resolution: REMOVED REMAINING AERODYNAMIC SEALANT FROM AROUND UPPER ANTENNAS. MASKED AND RESEALED ANTENNAS WITH 950A SEALANT.

| | <u>Time & Materials</u> | <u>Flat Rate</u> | <u>Total</u> |
|---------------|-----------------------------|-------------------|-------------------|
| Labor: | 0.00 USD | 112.00 USD | 112.00 USD |
| Total: | 0.00 USD | 112.00 USD | 112.00 USD |



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Discrepancy: 4.6. PILOT'S DOOR WINDOW DEBONDED AT LOWER FORWARD CORNER.

CLEAN AND RE-SEAL AFFECTED AREA OF WINDOW.
SEE NOTE 1.

PREVENTIVE MAINTENANCE

Resolution: CLEANED PRC FROM PILOTS DOOR WINDOW FORWARD LOWER CORNER. PRIMED AND RESEALED WITH PRC1425.

| | <u>Time & Materials</u> | <u>Flat Rate</u> | <u>Total</u> |
|-----------------|-----------------------------|-------------------|-------------------|
| Labor: | 0.00 USD | 420.00 USD | 420.00 USD |
| Parts: | 41.78 USD | --- | 41.78 USD |
| Freight: | 18.36 USD | --- | 18.36 USD |
| Total: | 60.14 USD | 420.00 USD | 480.14 USD |

Parts:

| <u>Ref. No.</u> | <u>Part number</u> | <u>Description</u> | <u>Quantity</u> | <u>Sell price</u> | <u>Extended</u> |
|-----------------|--------------------|----------------------|-----------------|-------------------|-----------------|
| 4.6 #2 | PR1425B1-2-5 | SEALANT B1/2 2.5 OZ, | 1.00 | 41.78 USD | 60.14 USD |
| | | | Freight: | 18.36 USD | |



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Item: 5. WINGS

Part/Model #:

Item Serial Number:

Registration Number: N518BP

Aircraft Serial Number: 2683

Discrepancy: 5.1. 14390-003LH & RH AILERON GAP SEALS LOOSE.

REMOVE EXISTING GAP SEALS, FOAM TAPE, AND ADHESIVE. INSTALL NEW GAP SEALS WITH FACTORY MOUNTING TAPE.

PREVENTIVE MAINTENANCE

Resolution: REMOVED LEFT AND RIGHT AILERON GAP SEALS AND ADHESIVE. INSTALLED NEW GAP SEALS P/N 14390-003 WITH FACTORY MOUNTING TAPE P/N 51042-005U.

| | <u>Time & Materials</u> | <u>Flat Rate</u> | <u>Total</u> |
|-----------------|-----------------------------|-------------------|-------------------|
| Labor: | 0.00 USD | 210.00 USD | 210.00 USD |
| Parts: | 46.72 USD | --- | 46.72 USD |
| Freight: | 5.00 USD | --- | 5.00 USD |
| Total: | 51.72 USD | 210.00 USD | 261.72 USD |

Parts:

| <u>Ref. No.</u> | <u>Part number</u> | <u>Description</u> | <u>Quantity</u> | <u>Sell price</u> | <u>Extended</u> |
|-----------------|--------------------|--|-----------------|-------------------|-----------------|
| 5.1 #1 | 14390-003 | AILERON GAP SEAL | 2.00 | 20.00 USD | 45.00 USD |
| | | | Freight: | 5.00 USD | |
| 5.1 #2 | 51042-005U | TAPE VHB 2 SIDED TRANSFER ADH .005 THK 60 YARDS PER ROLL | 8.00 | 0.84 USD | 6.72 USD |

Discrepancy: 5.2. RH FLAP CHAFFING IN FLAP WELL.

CLEAN AND APPLY CHAFE TAPE WHERE NECESSARY.

PREVENTIVE MAINTENANCE

Resolution: CLEANED AND APPLIED CHAFE TAPE TO RIGHT FLAP WELL AS NECESSARY.

| | <u>Time & Materials</u> | <u>Flat Rate</u> | <u>Total</u> |
|---------------|-----------------------------|------------------|------------------|
| Labor: | 0.00 USD | 28.00 USD | 28.00 USD |
| Total: | 0.00 USD | 28.00 USD | 28.00 USD |



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Discrepancy: 5.3. RH WING ROOT FAIRING DEBONDED ENTIRELY FROM LOWER PORTION OF WING.
REPLACE FACTORY MOUNTING TAPE.

PREVENTIVE MAINTENANCE

Resolution: REMOVED LOWER PORTION OF RIGHT WING ROOT FAIRING MOUNTING TAPE AND RESDUE. INSTALLED NEW FACTORY MOUNTING TAPE.

| | Time & Materials | Flat Rate | Total |
|---------------|------------------|-------------------|-------------------|
| Labor: | 0.00 USD | 105.00 USD | 105.00 USD |
| Total: | 0.00 USD | 105.00 USD | 105.00 USD |

Parts:

| Ref. No. | Part number | Description | Quantity | Sell price | Extended |
|----------|-------------|---|----------|------------|----------|
| 5.3 #1 | 76675A68 | double sided tape white foam .045 x 1/2" | 13.00 | 0.00 USD | 0.00 USD |

Discrepancy: 5.6. LH & RH FUEL FILLER HOUSINGS EXCEED BONDING LIMITATION.
RETORQUE FUEL FILLER RING SCREWS AND RE-CHECK.
SEE NOTE 1.

AIRWORTHY

Resolution: PERFORMED FUEL FILLER CAP GROUND CHECK AND FOUND TO BE WITHIN LIMITS. NO FURTHER ACTION TAKEN.

Discrepancy: 5.7. LH & RH UPPER STRUT FAIRINGS CHAFFING
LOWER WING PAINT.
CLEAN AND APPLY CHAFE TAPE TO LOWER WING
WHERE STRUT FAIRINGS MATE.

PREVENTIVE MAINTENANCE

Resolution: CLEANED LEFT AND RIGHT LOWER WING SKINS AT UPPER STRUT FAIRINGS AND APPLIED CHAFE TAPE AS NEEDED.

| | Time & Materials | Flat Rate | Total |
|---------------|------------------|-------------------|-------------------|
| Labor: | 0.00 USD | 112.00 USD | 112.00 USD |
| Total: | 0.00 USD | 112.00 USD | 112.00 USD |

Discrepancy: 5.8. LEFT LOWER WING. PAINT, PRIMER, AND BODY FILLER CHAFFED THRU TO EMM IN 2 AREAS JUST OUTBOARD OF STRUT TO WING FAIRING.
APPLY BODY FILLER, PRIMER, AND WHITE PAINT.
THIS WILL BE A RATTLE CAN PAINT (NOT PAINTER SERVICE).

PREVENTIVE MAINTENANCE

Resolution: PERFORMED BODY FILLER REPAIR ON LOWER LEFT WING JUST OUTBOARD OF MAIN GEAR. CLEANED, PAINTED AREA WITH PRIMER, AND THEN FINISHED WITH A WHITE PAINT.

| | Time & Materials | Flat Rate | Total |
|---------------|------------------|-------------------|-------------------|
| Labor: | 0.00 USD | 140.00 USD | 140.00 USD |
| Total: | 0.00 USD | 140.00 USD | 140.00 USD |



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Item: 6. LANDING GEAR AND BRAKES

Part/Model #:

Item Serial Number:

Registration Number: N518BP

Aircraft Serial Number: 2683

Discrepancy: 6.2. RIGHT MLG TIRE TREAD WORN BELOW MINIMUMS.

REPLACE TIRE AND TUBE.

AIRWORTHY

Resolution: INSTALLED NEW RIGHT TIRE P/N 070-449-0 S/N 6231S00140 AND TUBE P/N 097-500-0. TORQUED HARDWARE TO SPEC. SERVICED TIRE PRESSURE TO SPEC PER THE AIRCRAFT POH PERFORMED. STATIC BALANCED WHEEL WITH NO WEIGHTS INSTALLED. INSTALLED WHEEL AND SAFETIED.

| | <u>Time & Materials</u> | <u>Flat Rate</u> | <u>Total</u> |
|-----------------|-----------------------------|-------------------|-------------------|
| Labor: | 0.00 USD | 210.00 USD | 210.00 USD |
| Parts: | 262.95 USD | --- | 262.95 USD |
| Freight: | 16.85 USD | --- | 16.85 USD |
| Total: | 279.80 USD | 210.00 USD | 489.80 USD |

Parts:

| <u>Ref. No.</u> | <u>Part number</u> | <u>Description</u> | <u>Quantity</u> | <u>Sell price</u> | <u>Extended</u> |
|-----------------|--------------------|--|-----------------|-------------------|-----------------|
| 6.2 #1 | 070-449-0 | TIRE, 15X6.00-6 MICHELIN AIR: TT Serial Number(s) 6231S00140 | 1.00 | 180.00 USD | 196.85 USD |
| | | | Freight: | 16.85 USD | |
| 6.2 #2 | 097-500-0 | 15/600-6 MICHELIN (TR-20 STRAIGHT) | 1.00 | 82.95 USD | 82.95 USD |

Discrepancy: 6.4. RH BRAKE DISC IS WORN AND CRACKED.

INSTALL NEW BRAKE DISC AND LININGS IN CONJUNCTION WITH RH TIRE REPLACEMENT UNDER SQUAWK 6.2.

AIRWORTHY

Resolution: INSTALLED NEW RIGHT MAIN BRAKE DISC P/N RA164-02504. INSTALLED NEW BRAKE LININGS P/N 066-06200.

| | <u>Time & Materials</u> | <u>Flat Rate</u> | <u>Total</u> |
|-----------------|-----------------------------|------------------|-------------------|
| Parts: | 223.00 USD | --- | 223.00 USD |
| Freight: | 17.04 USD | --- | 17.04 USD |
| Total: | 240.04 USD | 0.00 USD | 240.04 USD |

Parts:

| <u>Ref. No.</u> | <u>Part number</u> | <u>Description</u> | <u>Quantity</u> | <u>Sell price</u> | <u>Extended</u> |
|-----------------|--------------------|--------------------|-----------------|-------------------|-----------------|
| 6.4 #1 | RA164-02504 | BRAKE DISC | 1.00 | 115.00 USD | 132.04 USD |
| | | | Freight: | 17.04 USD | |
| 6.4 #2 | 066-06200 | LINING | 4.00 | 27.00 USD | 108.00 USD |



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Discrepancy: 6.5. RH BRAKE TUBE AND MOUNTING BRACKET DEBONDED.

CLEAN AND REGLUE TUBE AND BRACKET INTO POSITION.

Resolution: CLEANED OLD GLUE FROM RIGHT LANDING GEAR. POSITIONED AND SECURED RIGHT BRAKE LINE AND MOUNTING BRACKET WITH 5 MINUTE EPOXY AS NECESSARY.



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Item: 8. ENGINE / PROP

Part/Model #:

Item Serial Number:

Registration Number: N518BP

Aircraft Serial Number: 2683

Discrepancy: 8.1. CYL 3 AND 6 INJECTORS ARE SWAPPED.

RECOMMEND CLEANING ALL INJECTORS IN THIS INSTANCE. RE-INSTALL INJECTORS IN CORRECT LOCATIONS.

AIRWORTHY FOR #3 AND #6.

Resolution: REMOVED ALL 6 FUEL INJECTORS, CLEANED AND REINSTALLED USING NEW O-RINGS. TORQUED TO SPEC. LEAK CHECK PERFORMED WITH NO LEAKS NOTED.

| | <u>Time & Materials</u> | <u>Flat Rate</u> | <u>Total</u> |
|---------------|-----------------------------|-------------------|-------------------|
| Labor: | 0.00 USD | 280.00 USD | 280.00 USD |
| Parts: | 19.20 USD | --- | 19.20 USD |
| Total: | 19.20 USD | 280.00 USD | 299.20 USD |

Parts:

| <u>Ref. No.</u> | <u>Part number</u> | <u>Description</u> | <u>Quantity</u> | <u>Sell price</u> | <u>Extended</u> |
|-----------------|--------------------|--------------------|-----------------|-------------------|-----------------|
| 8.1 #1 | X1473 | WASHER | 6.00 | 1.36 USD | 8.16 USD |
| 8.1 #2 | 640612 | WASHER | 6.00 | 0.75 USD | 4.50 USD |
| 8.1 #3 | AS3578-010 | ORING | 6.00 | 1.09 USD | 6.54 USD |
| 8.1 #4 | 630979-9 | O-RING | 6.00 | 0.00 USD | 0.00 USD |

Discrepancy: 8.2. GAPS IN CYLINDER BAFFLING.

SEAL BAFFLING FOR IMPROVED CYLINDER COOLING.

PREVENTIVE MAINTENANCE

Resolution: SEALED GAPS IN CYLINDER BAFFLING WITH HIGH TEMP RTV FOR IMPROVED CYLINDER COOLING.

| | <u>Time & Materials</u> | <u>Flat Rate</u> | <u>Total</u> |
|---------------|-----------------------------|-------------------|-------------------|
| Labor: | 0.00 USD | 119.00 USD | 119.00 USD |
| Total: | 0.00 USD | 119.00 USD | 119.00 USD |

Discrepancy: 8.3. UPPER AND LOWER ENGINE COWLING TRAILING EDGE SEAL LOOSE / DEBONDING IN SECTIONS.

REPLACE UPPER AND LOWER COWL SEALS.

PREVENTIVE MAINTENANCE

Resolution: REMOVED UPPER AND LOWER COWL SEALS. CLEANED AREA AND INSTALLED NEW COWL SEALS.

| | <u>Time & Materials</u> | <u>Flat Rate</u> | <u>Total</u> |
|---------------|-----------------------------|-------------------|-------------------|
| Labor: | 0.00 USD | 126.00 USD | 126.00 USD |
| Total: | 0.00 USD | 126.00 USD | 126.00 USD |

Parts:

| <u>Ref. No.</u> | <u>Part number</u> | <u>Description</u> | <u>Quantity</u> | <u>Sell price</u> | <u>Extended</u> |
|-----------------|--------------------|---------------------------|-----------------|-------------------|-----------------|
| 8.3 #2 | 53722-063U | cowl seal tape 13 ft roll | 12.00 | 0.00 USD | 0.00 USD |



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Discrepancy: 8.4. COWLING OIL FILLER DOOR HINGE BROKEN.

REPLACE HINGE.

PREVENTIVE MAINTENANCE

Resolution: REMOVED PAINT AND BODY FILLER FROM COWLING OIL FILLER DOOR TO ACCESS HINGE RIVETS. REMOVED HINGE AND INSTALLED NEW HINGE P/N 20246-001. PERFORMED BODY FILLER REPAIR AND TOUCHED UP PAINT.

| | <u>Time & Materials</u> | <u>Flat Rate</u> | <u>Total</u> |
|-----------------|-----------------------------|-------------------|-------------------|
| Labor: | 0.00 USD | 140.00 USD | 140.00 USD |
| Parts: | 162.63 USD | --- | 162.63 USD |
| Freight: | 13.88 USD | --- | 13.88 USD |
| Total: | 176.51 USD | 140.00 USD | 316.51 USD |

Parts:

| <u>Ref. No.</u> | <u>Part number</u> | <u>Description</u> | <u>Quantity</u> | <u>Sell price</u> | <u>Extended</u> |
|-----------------|--------------------|--------------------|-----------------|-------------------|-----------------|
| 8.4 #1 | 20246-001 | HINGE, OIL DOOR | 1.00 | 162.63 USD | 176.51 USD |
| | | | Freight: | 13.88 USD | |

Discrepancy: 8.5. LANDING LIGHT LENS IS CRACKED IN SEVERAL PLACES.

REPLACE LENS

PREVENTIVE MAINTENANCE

Resolution: REPLACED LANDING LIGHT LENS WITH NEW P/N 17298-001

| | <u>Time & Materials</u> | <u>Flat Rate</u> | <u>Total</u> |
|-----------------|-----------------------------|------------------|------------------|
| Labor: | 0.00 USD | 35.00 USD | 35.00 USD |
| Parts: | 16.50 USD | --- | 16.50 USD |
| Freight: | 4.62 USD | --- | 4.62 USD |
| Total: | 21.12 USD | 35.00 USD | 56.12 USD |

Parts:

| <u>Ref. No.</u> | <u>Part number</u> | <u>Description</u> | <u>Quantity</u> | <u>Sell price</u> | <u>Extended</u> |
|-----------------|--------------------|-----------------------------------|-----------------|-------------------|-----------------|
| 8.5 #1 | 17298-001 | LANDING LIGHT LENS (see comments) | 1.00 | 16.50 USD | 21.12 USD |
| | | | Freight: | 4.62 USD | |



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Discrepancy: 8.6. #1, 3, AND 5 EXHAUST RISERS CHAFFED.

REMOVE AND SEND OUT FOR WELD REPAIR.
SEE NOTE 1.

AIRWORTHY

Resolution: REINSTALLED RIGHT EXHAUST RISER P/N 22-6150019 AFTER REPAIR BY DAWLEY AVIATION CRS# NJ5R069N UNDER W.O. 116129. REINSTALLED WASTEGATE WITH NEW GASKET P/N FG0120830 AND NEW WASTEGATE SUPPORT BOLT P/N MS21250-05020. INSTALLED TURBO WITH NEW GASKET P/N 652458. ADJUSTED WASTEGATE CONTROL CABLE RIGGING TO SPEC. TRIMMED HEAT SHIELDS FOR PROPER CLEARANCE. ALL HARDWARE TORQUED TO SPECS. OPERATIONAL CHECK NORMAL

| | <u>Time & Materials</u> | <u>Flat Rate</u> | <u>Total</u> |
|------------------|-----------------------------|-------------------|-------------------|
| Labor: | 0.00 USD | 490.00 USD | 490.00 USD |
| Parts: | 105.50 USD | --- | 105.50 USD |
| Services: | 215.00 USD | --- | 215.00 USD |
| Freight: | 128.76 USD | --- | 128.76 USD |
| Total: | 449.26 USD | 490.00 USD | 939.26 USD |

Parts:

| <u>Ref. No.</u> | <u>Part number</u> | <u>Description</u> | <u>Quantity</u> | <u>Sell price</u> | <u>Extended</u> |
|-----------------|--------------------|-------------------------|-----------------|-------------------|-----------------|
| 8.6 #1 | 652458 | GASKET EXHUST FLA | 3.00 | 11.40 USD | 34.20 USD |
| 8.6 #2 | 652456 | GASKET | 1.00 | 19.30 USD | 19.30 USD |
| 8.6 #3 | 636465 | GASKET | 1.00 | 13.58 USD | 13.58 USD |
| 8.6 #4 | FG0120830 | GASKET, TURBO WASTEGATE | 1.00 | 27.10 USD | 27.10 USD |
| 8.6 #5 | MS21250-05020 | BOLTS (1/5) | 1.00 | 11.32 USD | 11.32 USD |

Services:

| <u>Ref. No.</u> | <u>Description</u> | <u>Quantity</u> | <u>Sell Price</u> | <u>Extended</u> |
|-----------------|--|-----------------|-------------------|-----------------|
| 8.6 #1 | Outside Service/Labor - Dawley Aviation, weld repair | 1.00 | 215.00 USD | 343.76 USD |
| | | Freight: | 128.76 USD | |

Discrepancy: 8.7. LH & RH CYLINDER DRAIN MANIFOLDS CHAFED BEYOND 30% TUBE THICKNESS.

REPLACE MANIFOLDS.

AIRWORTHY

Resolution: INSTALLED NEW LEFT & RIGHT CYLINDER DRAIN MANIFOLDS P/N 643584. LEAK CHECK NORMAL.

| | <u>Time & Materials</u> | <u>Flat Rate</u> | <u>Total</u> |
|-----------------|-----------------------------|-------------------|-------------------|
| Labor: | 0.00 USD | 210.00 USD | 210.00 USD |
| Parts: | 606.90 USD | --- | 606.90 USD |
| Freight: | 65.93 USD | --- | 65.93 USD |
| Total: | 672.83 USD | 210.00 USD | 882.83 USD |

Parts:

| <u>Ref. No.</u> | <u>Part number</u> | <u>Description</u> | <u>Quantity</u> | <u>Sell price</u> | <u>Extended</u> |
|-----------------|--------------------|--------------------|-----------------|-------------------|-----------------|
| 8.7 #1 | 643584 | TUBE | 2.00 | 303.45 USD | 672.83 USD |
| | | Freight: | | 65.93 USD | |



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Discrepancy: 8.8. #3 LOWER IGNITION LEAD SHIELDING FRAYED.

RE-TERMINATE LEAD.

PREVENTIVE MAINTENANCE

Resolution: INSPECTED AND FOUND CYLINDER #1, #3, AND #5 LOWER SPARKPLUG LEAD SHIELDING NOT CONTACTING B-NUTS INTERNALLY.

DISASSEMBLED, TRIMMED BACK LEAD, RE-TERMINATED SHIELDING UNDER FARRELL. CRIMPED NEW SPRING PINS FOR LOWER SPARK PLUG LEADS ON CYLINDERS 1, 3, AND 5. OPERATIONAL CHECK GOOD.

| | <u>Time & Materials</u> | <u>Flat Rate</u> | <u>Total</u> |
|---------------|-----------------------------|------------------|------------------|
| Parts: | 15.00 USD | --- | 15.00 USD |
| Total: | 15.00 USD | 0.00 USD | 15.00 USD |

Parts:

| <u>Ref. No.</u> | <u>Part number</u> | <u>Description</u> | <u>Quantity</u> | <u>Sell price</u> | <u>Extended</u> |
|-----------------|--------------------|--------------------|-----------------|-------------------|-----------------|
| 8.8 #1 | 10-320467 | TERMINAL | 3.00 | 5.00 USD | 15.00 USD |

Discrepancy: 8.9. LH & RH TURBO SUPPORT ROD SLEEVES WORN.

REPLACE SLEEVES.

PREVENTIVE MAINTENANCE

Resolution: REMOVED LEFT & RIGHT TURBO SUPPORT RODS AND WEAR SLEEVES. INSTALLED NEW WEAR SLEEVES P/N 22-6200048. TIGHTENED AND SAFETIED HARDWARE.

Parts:

| <u>Ref. No.</u> | <u>Part number</u> | <u>Description</u> | <u>Quantity</u> | <u>Sell price</u> | <u>Extended</u> |
|-----------------|--------------------|---------------------|-----------------|-------------------|-----------------|
| 8.9 #1 | 22-6200048 | SUPPORT WEAR SLEEVE | 2.00 | 0.00 USD | 0.00 USD |

Discrepancy: 8.10. RIGHT (SLAVE) WASTEGATE CONTROL ARM CLEVIS PINS WORN.

INSTALL NEW CLEVIS PINS.

PREVENTIVE MAINTENANCE

Resolution: INSTALLED NEW SLAVE WASTEGATE CONTROL ARM CLEVIS PINS.

Parts:

| <u>Ref. No.</u> | <u>Part number</u> | <u>Description</u> | <u>Quantity</u> | <u>Sell price</u> | <u>Extended</u> |
|-----------------|--------------------|-----------------------------------|-----------------|-------------------|-----------------|
| 8.10 #2 | MS20392-1C13 | PIN, STRAIGHT HEAD, DRILLED SHANK | 1.00 | 0.00 USD | 0.00 USD |
| 8.10 #3 | MS20392-1C15 | PIN, STRAIGHT HEAD, DRILLED SHANK | 1.00 | 0.00 USD | 0.00 USD |

Discrepancy: 8.11. SHEARED RIVETS IN #1 ALT BAFFLE HOLE AND IN AFT BAFFLE BEHIND RH MAG.

REPLACE RIVETS

PREVENTIVE MAINTENANCE

Resolution: INSTALLED 2 NEW RIVETS AT #1 ALT HOLE BAFFLE AND 1 AT RIGHT AFT BAFFLE NEAR THE MAGNETO.

| | <u>Time & Materials</u> | <u>Flat Rate</u> | <u>Total</u> |
|---------------|-----------------------------|-------------------|-------------------|
| Labor: | 0.00 USD | 140.00 USD | 140.00 USD |
| Total: | 0.00 USD | 140.00 USD | 140.00 USD |



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Discrepancy: 8.12. EXPOSED CRANKSHAFT HAS CORROSION.

CORROSION IS CLOSE TO FORWARD CRANKSHAFT SEAL AND WOULD REQUIRE REPLACEMENT TO COMPLETE THIS SERVICE.

REMOVE PROPELLER TO FACILITATE CLEANING, INSPECTING, AND PAINTING IN ACCORDANCE WITH CONTINENTAL MOTORS INC (CMI) STANDARD PRACTICES MANUAL M-0, SECTION 6-4.6, - VISUAL INSPECTION.

SEE NOTE 1.

PREVENTIVE MAINTENANCE

Resolution: REMOVED PROP AND AND CRANKSHAFT SEAL. CLEANED CORROSION FROM CRANKSHAFT. INSPECTED AND INSTALLED NEW CRANKSHAFT SEAL P/N 641250. APPLIED PRIMER TO EXPOSED CRANKSHAFT, INSTALLED NEW PROP O-RING P/N C-3317-228, AND FLANGE NUTS P/N A2044 IN ACCORDANCE WITH CMI STANDARD PRACTICE MANUAL. TORQUED HARDWARE TO SPEC. LEAK CHECK NORMAL.

| | <u>Time & Materials</u> | <u>Flat Rate</u> | <u>Total</u> |
|-----------------|-----------------------------|-------------------|-------------------|
| Labor: | 0.00 USD | 630.00 USD | 630.00 USD |
| Parts: | 124.00 USD | --- | 124.00 USD |
| Freight: | 11.38 USD | --- | 11.38 USD |
| Total: | 135.38 USD | 630.00 USD | 765.38 USD |

Parts:

| <u>Ref. No.</u> | <u>Part number</u> | <u>Description</u> | <u>Quantity</u> | <u>Sell price</u> | <u>Extended</u> |
|-----------------|--------------------|--------------------|-----------------|-------------------|-----------------|
| 8.12 #1 | 641250 | SEAL | 1.00 | 73.10 USD | 84.48 USD |
| | | | Freight: | 11.38 USD | |
| 8.12 #2 | C-3317-228 | PROP O-RING | 1.00 | 5.00 USD | 5.00 USD |
| 8.12 #3 | A2044 | NUT FLANGE | 6.00 | 7.65 USD | 45.90 USD |

Discrepancy: 8.13. MAGNETO TO ENGINE TIMING AS FOLLOWS:
LH MAG @ 22.8; RH MAG @ 22.9.

TAT ICA IS 21.5
ADJUST MAG TIMING TO SPEC.

AIRWORTHY

Resolution: ADJUSTED LEFT AND RIGHT MAGNETO TO ENGINE TIMING TO SPEC PER THE ENGINE DATA PLATE.

| | <u>Time & Materials</u> | <u>Flat Rate</u> | <u>Total</u> |
|---------------|-----------------------------|-------------------|-------------------|
| Labor: | 0.00 USD | 140.00 USD | 140.00 USD |
| Total: | 0.00 USD | 140.00 USD | 140.00 USD |



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Discrepancy: 8.14. ON POST ANNUAL RUN-UP, FOUND ALT 2 NOT OPERATING.

TROUBLE SHOOT ALT 2.
SEE NOTE 1.

Resolution: REMOVED ALT 2 P/N BC410-1 S/N 04076078. INSTALLED NEW ALT 2 P/N BC410-1 S/N 1C70N6L56K WITH NEW GASKET P/N 51052-001. TORQUED HARDWARE TO SPEC. OPERATIONAL CHECK NORMAL.

| | <u>Time & Materials</u> | <u>Flat Rate</u> | <u>Total</u> |
|-----------------|-----------------------------|-------------------|---------------------|
| Labor: | 0.00 USD | 280.00 USD | 280.00 USD |
| Parts: | 1,700.00 USD | --- | 1,700.00 USD |
| Freight: | 81.54 USD | --- | 81.54 USD |
| Total: | 1,781.54 USD | 280.00 USD | 2,061.54 USD |

Parts:

| <u>Ref. No.</u> | <u>Part number</u> | <u>Description</u> | <u>Quantity</u> | <u>Sell price</u> | <u>Extended</u> |
|-----------------|--------------------|-----------------------------|-----------------|-------------------|-----------------|
| 8.14 #1 | 51052-001 | GASKET, ACCESSORY DRIVE | 1.00 | 0.00 USD | 0.00 USD |
| 8.14 #2 | 13565-001 | SECONDARY ALTERNATOR | 1.00 | 1,700.00 USD | 1,781.54 USD |
| | | Serial Number(s) 1C70N6L56K | | | |
| | | | Freight: | 81.54 USD | |

Discrepancy: 8.15. POST MAINTENANCE FLIGHT DISCREPANCY; CRUISE RPM SETTING IS AT 2580RPM.

WHEN RETARDING THE POWER LEVER MORE MAP STARTS TO DROP, THE TAPE IS MARKED AT THE 2580 RPM AREA.

Resolution: ADJUSTED ROD END AT GOVERNOR IN 3 1/2 TURNS.(BR).
FLIGHT CHECK GOOD.



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Item: 9. AVIONICS

Part/Model #:

Item Serial Number:

Registration Number: N518BP

Aircraft Serial Number: 2683

Discrepancy: 9.1. DUAL ALTIMETER, ALTITUDE REPORTING SYSTEM, PITOT/STATIC SYSTEM, AND TRANSPONDER SYSTEM BIENNIAL IFR CERTIFICATION DUE. LAST PERFORMED ON 5/18/2015. DUE BY 5/31/2017.

COMPLIES WITH REQUIREMENTS OF FAR 91.411 AND 91.413. REQUIRED FOR IFR OPERATION.

AIRWORTHY

Resolution: TESTED DUAL ALTIMETER, ALTITUDE REPORTING SYSTEM, PITOT/STATIC SYSTEM, AND TRANSPONDER SYSTEM PER FAR 43, APPENDICES E AND F. THOSE SYSTEMS MET REQUIREMENTS OF FAR 91.411 AND 91.413 FOR NON-PRESSURIZED AIRCRAFT TO 25,000 FEET. (FVG)

| | Time & Materials | Flat Rate | Total |
|---------------|------------------|-------------------|-------------------|
| Labor: | 0.00 USD | 560.00 USD | 560.00 USD |
| Total: | 0.00 USD | 560.00 USD | 560.00 USD |

Discrepancy: 9.2. CUSTOMER REPORTS NOISE ON BOTH RADIOS, ESPECIALLY WHEN RECEIVING TRANSMISSIONS.

SENDING TRANSMISSIONS ALSO WEAK.

TROUBLESHOOT, SEE NOTE 1.

PREVENTIVE MAINTENANCE

Resolution: PERFORMED GROUND TESTS WITH OUT ENGINE RUNNING. FOUND NO NOISE PRESENT. COMS NEED TO BE TESTED WITH ENGINES RUNNING AND IN FLIGHT. REQUEST AVIONICS TECH BE ON FLIGHT TO HELP ISOLATE FAULT.

POST MAINTENANCE FLIGHT; THERE IS IGNITION NOISE (STATIC) IN THE COMMS FROM THE LEFT MAG SYSTEM.

INSPECTED LEFT MAGNETO FOUND NO LOOSE WIRES FOUND. REMOVED LEFT MAGNETO FROM ENGINE. REMOVED CAPACITOR AND INSTALLED NEW CAPACITOR P/N 10-400615. INSTALLED AND TIMED LEFT MAGNETO TO ENGINE. MAG OPERATIONAL CHECK GOOD BUT NOISE STILL PRESENT FROM LEFT MAG.

SWAPPED LH & RH MAGNETO'S AND NOISE STILL PRESENT IN LEFT SIDE IGNITION.

SEE SQUAWK 8.8 FOR COMPELTED SIGN-OFF.

| | Time & Materials | Flat Rate | Total |
|---------------|------------------|-------------------|-------------------|
| Labor: | 0.00 USD | 140.00 USD | 140.00 USD |
| Total: | 0.00 USD | 140.00 USD | 140.00 USD |

Parts:

| Ref. No. | Part number | Description | Quantity | Sell price | Extended |
|----------|-------------|---------------------------|----------|------------|----------|
| 9.2 #1 | 10-400615 | CAPACITOR | 1.00 | 0.00 USD | 0.00 USD |
| 9.2 #2 | 649954 | GASKET (alt pn.10-400613) | 1.00 | 0.00 USD | 0.00 USD |
| 9.2 #3 | 649954 | GASKET (alt pn.10-400613) | 2.00 | 0.00 USD | 0.00 USD |
| 9.2 #4 | 10-357520 | GASKET | 1.00 | 0.00 USD | 0.00 USD |



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Item: 10. ADDITIONAL EXPENSES

Part/Model #:

Item Serial Number:

Registration Number: N518BP

Aircraft Serial Number: 2683

Discrepancy: 10.1. ENVIRONMENTAL FEES

ANNUAL - \$85.00 SINGLE ENGINE.

ADDITIONAL ENVIROMENTAL FEES WHICH MAY BE NECESSARY:

- 1) TIRE DISPOSAL- \$10.00 EACH
- 2) ELT BATTERY DISPOSAL- \$10.00 EACH
- 3) LEAD ACID BATTERY DISPOSAL - \$30.00 EACH
- 4) FREON HANDLING CHARGE - \$15.00

Resolution: ENVIRONMENTAL FEES

| | Time & Materials | Flat Rate | Total |
|------------------|------------------|------------------|------------------|
| Services: | 0.00 USD | 85.00 USD | 85.00 USD |
| Total: | 0.00 USD | 85.00 USD | 85.00 USD |

Discrepancy: 10.2. MISC. SHOP SUPPLIES.

6% OF TOTAL LABOR ON WORK ORDER AT CLOSING.

Resolution: 6% OF \$11,493.00 APPLIED LABOR = \$689.58.
ROUNDED TO \$680.00

| | Time & Materials | Flat Rate | Total |
|---------------|------------------|-------------------|-------------------|
| Parts: | 0.00 USD | 680.00 USD | 680.00 USD |
| Total: | 0.00 USD | 680.00 USD | 680.00 USD |

Parts:

| Ref. No. | Part number | Description | Quantity | Sell price | Extended |
|----------|-------------|---|----------|------------|----------|
| 10.2 #1 | ZEP 40 | NON-STREAKING CLEANER FOR NON-CONDUCTIVE SURFACES (PROD # 0144) | 4.00 | - | 0.00 |

Discrepancy: 10.4. CLEAN AND DETAIL AIRCRAFT (ALSO USED AS APPLIED LABOR TO TOW AND FUEL AIRCRAFT - FUEL COST NOT INCLUDED).

Resolution: PERFORMED EXTERIOR AIRCRAFT WASH, INTERIOR VACUUM, AND WINDOW CLEANING.



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Item: 11. AIRCRAFT ARRIVAL AND DEPARTURE REQUIREMENTS

Part/Model #:

Item Serial Number:

Registration Number: N518BP

Aircraft Serial Number: 2683

Discrepancy: 11.1. COMPLETE WOODLAND AVIATION QUALITY ASSURANCE AIRCRAFT INDUCTION GUIDE REQUIREMENTS:

AIRWORTHINESS CERTIFICATE CHECKED GOOD.
REGISTRATION DATE: MAR-31-2019.

Resolution: COMPLETED WOODLAND AVIATION QUALITY ASSURANCE AIRCRAFT INDUCTION GUIDE REQUIREMENTS.

Discrepancy: 11.2. INITIATE WOODLAND AVIATION QUALITY ASSURANCE AIRCRAFT DEPARTURE GUIDE.

NOTIFY SERVICE MANAGER / LINE SERVICE / DIRECTOR OF MAINTENANCE / AND CUSTOMER SERVICE.

Resolution: COMPLETED WOODLAND AVIATION QUALITY ASSURANCE AIRCRAFT DEPARTURE GUIDE.

MISCELLANEOUS

RECORDS

| | | | | | | | | | | | |
|--|--|--|--|---|--|--|--|--------------------|--|--|--|
| 1. Approving Civil Aviation Authority/Country: FAA/United States | | 2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG | | | 3. Form Tracking Number: 77274-1-HG | | | | | | |
| 4. Organization Name and Address: AMSAFE, INC 1043 NORTH 47 TH AVE PHOENIX, AZ. 85043 | | | | 5. Work Order/Contract/Invoice Number: 77274-1 0 PAGES ATTACHED | | | | | | | |
| 6. Item: | | 7. Description: | | 8. Part Number: | | 9. Quantity: | | 10. Serial Number: | | 11. Status/Work: | |
| 1 | | ELECTRONIC MODULE ASSY | | 508358-421 | | 1 | | RA18APR14-2 | | SEE BLOCK 12 | |
| 12. Remarks: DRAWING: 508358 REV: U EXPIRATION DATE: 0421 ODM: 06JUN07-204 "REBUILT TO ORIGINAL PAH'S SPECIFICATIONS IN ACCORDANCE WITH 14 CFR 43.3(j)" | | | | | | | | | | | |
| 13a. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12. | | | | | | 14a. <input type="checkbox"/> 14 CFR 43.9 Return to Service <input checked="" type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service. | | | | | |
| 13b. Authorized Signature: | | | | 13c. Approval/Authorization No.: | | 14b. Authorized Signature:  | | | | 14c. Approval/Certificate No.: PQ1967NM | |
| 13d. Name (Typed or Printed): | | | | 13e. Date (dd/mmm/yyyy): | | 14d. Name (Typed or Printed): HOPE GONZALEZ | | | | 14e. Date (dd/mmm/yyyy): 18/APR/2014 | |
| User/Installer Responsibilities | | | | | | | | | | | |
| It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown. | | | | | | | | | | | |

337s



US Department
of Transportation
Federal Aviation
Administration

MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No. 2120-0020
11/30/2007

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. §44701). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. §46301(a))

| | | | |
|--------------------|--|--------------------|---|
| 1. Aircraft | Nationality and Registration Mark US, N518BP | Serial No. 2683 | |
| | Make CIRRUS DESIGN CORP | Model SR22 | Series |
| 2. Owner | Name (As shown on registration certificate) BAYWATER PUBLISHING LLC | | Address (As shown on registration certificate) 2200 GENG RD STE 100 |
| | | | City <u>PALO ALTO</u> State <u>CA</u> Zip <u>94303-3322</u> Country <u>USA</u> |

3. For FAA Use Only

| 4. Type | | 5. Unit Identification | | | |
|--------------------------|-------------------------------------|------------------------|--------------|--------------------------------|------------|
| Repair | Alteration | Unit | Make | Model | Serial No. |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | AIRFRAME | _____ | (As described in Item 1 above) | _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | POWERPLANT | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | PROPELLER | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | APPLIANCE | Type | | |
| | | | Manufacturer | | |

6. Conformity Statement

| | | | |
|---|--|---|---------------------------------------|
| A. Agency's Name and Address | | B. Kind of Agency | |
| Name <u>PENINSULA AVIONICS</u> | | <input type="checkbox"/> U. S. Certificated Mechanic | <input type="checkbox"/> Manufacturer |
| Address <u>1901 EMBARCADERO RD, #B1</u> | | <input type="checkbox"/> Foreign Certificated Mechanic | C. Certificate No. |
| City <u>PALO ALTO</u> State <u>CA</u> | | <input checked="" type="checkbox"/> Certificated Repair Station | V9JR020Y |
| Zip <u>94303</u> Country <u>USA</u> | | <input type="checkbox"/> Certificated Maintenance Organization | |

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

| | |
|--|--|
| Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/> | Signature/Date of Authorized Individual Art Vartanian / 9-23-2010 <i>AV</i> |
|--|--|

7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is Approved Rejected

| | | | | | |
|----|------------------------------|-------------------------------------|----------------|--------------------------|--|
| BY | FAA Fit. Standards Inspector | | Manufacturer | Maintenance Organization | Persons Approved by Canadian Department of Transport |
| | FAA Designee | <input checked="" type="checkbox"/> | Repair Station | Inspection Authorization | Other (Specify) |

| | |
|--|--|
| Certificate or Designation No. V9JR020Y | Signature/Date of Authorized Individual Art Vartanian / 9-23-2010 <i>AV</i> |
|--|--|