

ALT	ERROR	ALT	ERROR
-1000	0	10000	+15
0	+15	12000	+20
500	+15	14000	+25
1000	+20	16000	+30
1500	+25	18000	+35
2000	+30	20000	+40
3000	+30	22000	+
4000	+35	25000	+
6000	+40	30000	+
8000	+25	35000	+

ALTIMETER TEST CRS # R02R142L

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
7-25-07	1724	.9	Reinstalled Annunciation Control Unit SN: 323514 after repairs by Mid Continent Instruments	James S Joubert AP3015266
<p>N167UD - Replaced left navigation light bulb 08-02-2007 Jesse Thémont TACH 1741.9 Commercial 2741492</p>				
8-21-07	1755	.5	REPLACED ALTImETER Light BAR.	James S Joubert AP5015266


MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
DATE <u>9-14-07</u> TACH <u>18042</u> AT <u>1804.2</u> I CERTIFY THIS Aircraft HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>100hr</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION SEE AD LIST IN <u>File</u> FOR COMPLIANCE. WORK ORDER # <u>73489</u> SIGNED <u>[Signature]</u> FOR: <u>DAVID FLYING SERVICE, INC.</u> 10800 AIRPORT ROAD DUBUQUE, IOWA 52008 CRS #D2FR184J			Vacuum Regulator Filter Replaced Lm Cowl Shock Mounts Replaced Secured Mixture Cables Replaced Pedestal Light Bulb Replaced Nose Sissors Bushings LH Brake Disc Replaced LH & RH Fuel Placards Replaced LH Bottom Cowl Mount Bracket Repaired ELT Tested per FAR 91.207(d)	

1. Approving National Aviation Authority/Country: FAA/UNITED STATES

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

3. Form Tracking Number: WRK0104470

4. Organization Name and Address:

 MID-CONTINENT INSTRUMENT CO., INC
 9400 E 34th ST. NORTH
 WICHITA, KS 67226

5. Work Order/Contract/Invoice Number: WRK0104470

6. Item:	7. Description:	8. Part Number:	9. Eligibility:	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1	ACU	MD41-231 MD41	N/A	1	B23514	REPAIRED

13. Remarks:
THE WORK ORDER REFERENCED DESCRIBES THE ACTUAL WORK PERFORMED.
ALL WORK WAS PERFORMED REF. MANUAL # DP MD41 SERIES 3/5/04

The work specified in block 12/13 except as otherwise specified was carried out in accordance with EASA Part 145 and in respect to that work the aircraft component is considered ready for release to service under EASA Approval Certificate Number EASA.145.4675.

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

Approved design data and are in condition for safe operation.

Non-approved design data specified in Block 13.

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

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

15. Authorized Signature:

16. Approval/Authorization No.:

17. Name (Typed or Printed):

18. Date (m/d/y):

20. Authorized Signature

22. Name (Typed or Printed): RANDALL FERGUSON

21. Approval/Certificate No.: FAA CRS OL2R061L

23. Date (m/d/y): Jul/19/2007

User/Installer Responsibilities

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

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

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



July 17, 2007

Page: 1

Final Work Order

Nomenclature ACU	Serial No B23514	Location KS	RMA # RMA000000123641	AR # 12091
Manufacturer's Part No. MD41-231	Model No. MD41		Quantity 1	
Manufacturer MCI	Customer Item Number		Service Period	
Customer UNIVERSITY OF DUBUQUE	Customer PO No. VBL JAMES		Customer Reference No.	

Reason For Removal

THE GPS/NAV INDICATIONS DO NOT LIGHT UP WHEN SWITCHING BACK AND FORTH. THE UNIT DOES STILL SWITCH THE SIGNAL BETWEEN THE GPS AND THE NAV UNIT. ENSURE AIRWORTHINESS OF THE ENTIRE UNIT AND INCLUDE ANY UPDATES/MODIFICATIONS AS REQUIRED. CALL JAMES S JENKINS FOR QUOTE APPROVAL

Work Instructions

Special Instructions

Warranty Repair _____ Overhaul _____ Return As Is _____
 Functional Test _____ Repair Modified _____

Preliminary Inspection

Seals Broken No Cover Damaged No Hidden Damage Inspection Required No
 Nameplate Damaged No Finding

Preliminary Inspector BOBBY PHILLIPS

Date July 17, 2007

Failure Analysis

Customer Complaint Verified

GPS LIGHT IS INOP, OVERLAY IS BAD.

Previous Service Bulletins Installed: N/A

Work Accomplished

REPAIRED AS NECESSARY, TESTED TO MFG. SPEC.
 DISASSEMBLED, REPLACED ALL PARTS LISTED, AND ASSEMBLED.

I.A.W Manual # DP MD41 SERIES 3/5/04

Outgoing Service Bulletins N/A

Technician SUBIRA MABUBA Date July 19, 2007

In-Process Inspector ED CLITHERO Date July 19, 2007

FINAL INSPECTOR RANDALL FERGUSON  Date July 19, 2007

Parts Used

Part Number	Part Description	Quantity
6011779	LAMP, 28V	4
7018039	OVERLAY, MD-41	1

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
DATE 10-23-07			Cabin Floor Inspection Panel Repaired Lear Cowl Shock Mounts Replaced Vacuum Regulator Filter Replaced Front & Rear Floor Mats Velcro Glued LH Flap Rub Button Replaced Replaced Fine Ext. SAFETY Seal Alternator Nipples Secured LH Bottom Cowl Mount Repaired Tail Tie Down Bolt Replaced LH & RH Main Tires Replaced	
			Repaint LH & RH Steering BOP LH Elevator Ground Strap Replaced Replaced LH Elevator Tip Rivet Fuel Strainer 'D' Ring Replaced ELT Checked per FAR 91-207(b)	

TACH 1903.1 TT 1903.1
 I CERTIFY THIS Aircraft HAS BEEN INSPECTED IN ACCORDANCE WITH A Annual INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION SEE AD LIST IN File FOR COMPLIANCE.
 WORK ORDER # 73590
 SIGNED [Signature]
 FOR: DAVID FLYING SERVICE, INC.
 10800 AIRPORT ROAD
 DUBUQUE, IOWA 52003
 CRS #D2FR184J

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
DATE 12-15-07			3 Lear Cowl Shock Mounts Replaced Nose Wheel Bearings Replaced Tail Beacon Bolt Replaced RH Flap Rub Buttons Replaced LH & RH Flap Chatter Tape applied RH Door Handle Adjusted LH Door Bottom Hinge Pin Replaced Cleaned & lubed Cabin Heat Control Vacuum Regulator & Central Filter Replaced Nose Tire Replaced RH & LH Brake lining Replaced ELT Checked per FAR 91-207(b) ELT Replaced w/ new SIN 557	

TACH 2003.0 TT 2003.0
 I CERTIFY THIS Aircraft HAS BEEN INSPECTED IN ACCORDANCE WITH A 100hr INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION SEE AD LIST IN File FOR COMPLIANCE.
 WORK ORDER # 733243
 SIGNED [Signature]
 FOR: DAVID FLYING SERVICE, INC.
 10800 AIRPORT ROAD
 DUBUQUE, IOWA 52003
 CRS #D2FR184J

1-8-08 2003.1
 (1) Repair minor crack in right elevator fiberglass tip
 (2) Repair minor cracks in right horizontal stabilizer plastic tip James [Signature] AP 3015266

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
1-16-08	2009.6		Replaced lower left door post vent valve	James Spahn AP 215266
1-22-08	2010	7	AD 2007-5-10 (Seat Back Lock Kit) Dated 4-11-07 1) Removed steel Lock Rod previously installed per Part (E)(1), & per Cessna S.B 04-25-02 Rev 2 Dated 10-17-05 2) Installed Modification Kit MK 178-25-10c per Cessna S.B 04-25-01 Rev 4 Dated 12-26-06	D. J. Dan AP 2147232
2-3-08	2053.1		Changed oil and filter. checked filter for contamination. ENTERED IN ERROR	James Spahn
3-20-08	2079.4		Replaced Taxi light switch	James Spahn AP 2015266

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
4-3-08	2102.8	TT 2102.8	Vacuum Regulation Replaced 3 in Coult shock mounts Replaced Secured Rear Elevation Trim Cable Block Pilots Door Bottom Hinge Screws Tightened Replaced Pilots & Copilots Door Stop Spring Elevation Ground Stop Screw Replaced Tightened Tow Bolt Replaced Pilots Door Lower Hinge Pin ELT checked per FAR 91.207(d) AD08-03-02 C Fuel Return Line c/w par (E)(1), (2) & (3) & Cessna S/B 07-28-01 No defects noted	James Spahn AP 2015266
4-25-08	2128.7		Replaced left front seat belt assembly	James Spahn AP 2015266

DATE 4-3-08 TACH 2102.8 TT 2102.8
 I CERTIFY THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A Annual INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. SEE AD LIST IN File FOR COMPLIANCE.
 WORK ORDER # 73974
 SIGNED: D. J. Dan

FOR: DAVID FLYING SERVICE, INC.
 10800 AIRPORT ROAD
 DUBUQUE, IOWA 52003
 CRS #D2FR184J

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

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

3. Form Tracking Number: 07-0015400

4. Organization Name and Address: Am-Safe, Inc.
 1043 North 47th Avenue
 Phoenix, Arizona 85043

5. Work order/Contract/Invoice Number: S113696 - 1
 PAGES ATTACHED

Cert. No. 16AR839J

6. Item:	7. Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1	REST SYS-5BAR	504516-401-8087	N/A	1	1607000	OVERHAUL

13. Remarks: Drawing: 504516
 Rev: M
 TSO: TSO-C114
 TSO: TSO-C114
 TSO: TSO-C114

Inspected By: REPAIRMAN # 2694259

Overhauled By: ROSAMERIA MOLINA

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

Approved design data and are in a condition for safe operation
 Non-approved design data specified in Block 13.

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

15. Authorized Signature: [Signature]

16. Approval/Authorization No.: 16AR839J

17. Name (typed or printed): CYNTHIA TIJERINA

18. Date (m/d/y): July 07, 2004

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

20. Authorized Signature: [Signature]

21. Authorized/Certificate No.: 16AR839J

22. Names (typed or printed): ROSAMERIA MOLINA, CELIA MORALES, CELIA MORALES

23. Date (m/d/y): July 07, 2004

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

10. User/Installer Responsibilities

CUSTOMER REWORK ORDER TEAR DOWN REPORT

CRO No 94237
DATE: 6/8/06

Repair Station I6AR839J

Customer Name University of Dubuque	Customer P.O. 5484	Rejection No. NA	Am-Safe S.O. 5113696
AM-SAFE Part No. 504516-401-8087	Part Name Restraint system	Quantity 1	Drawing Number 504516
Customer Part No. NA	Date Manufactured A0501	Revision M	

REASON FOR REJECTION (Customer's Statement)

Repair

INVESTIGATION BY:

Date: **6/8/06**
TOP ASSY

CONFIRMED OTHER: **Dinky, frayed, update.**

REPAIRED OVERHAULED WARRANTY EXCHANGED NEWLY OVERHAULED

S/B incorporated this order: **None required**

Freight: Am-Safe CUST.

Responsibility: Am-Safe CUST.

WORK INSTRUCTIONS

Date: **6/8/06**

Disassemble Hardware / Non-Serviceable (red tag) scrap **7/5/06**

Inspect for serviceability **6/8/06**

Discrepancy

Record Hardware lot number or MFG date code. **J15906**

Reweb required **6/8/06**

Relabel to include R in date code or RSI 6AR839J as applicable **6/8/06**

Clean Component / Assy. per print **7/5/06**

Replace Hardware / record p/n / qty / lot (B.O.M.) **7/5/06**

Manufacture First Article per print / S. Bulletins **06/05/06**

Test a record (Form A-108 if required) Pass Fail

Rebuild remaining units per print / S. bulletins **06/05/06**

Final Inspection

FAA return to service tag number **07-0015400**

Print Statement of Conformance

First Article Dimension	Actual
72.00 ± .50	72.00
38.00 ± .50	38.00
3.50 ± .25	3.50
3.00 ± .25	3.00

CAUSE FOR OCCURRENCE: **None required**

CORRECTIVE ACTION: **None required**

Completion Date:

Q.A. Rep.

I certify that the article(s) listed below:

- *Conforms to all applicable drawing dimensions and specifications.
- * (If applicable) Meets the requirements of FAR 25.853 (a) Compartment Interiors.
- * (If applicable) Conforms to British CAA specifications.
- * (If applicable) All parts/materials are certified new, conform to the design data, and are in airworthy condition.
- *Meets all the requirements of TSO-C114.
- *The parts/materials reflected herein were produced under a FAA approved Manufacturing and Quality Assurance system/methods as set in FAR Part 21 Sub-Part O, Para. 21.601.
- *For the latest copy of the CMM/SMM, please log onto www.amsafeaviation.com

CUSTOMER NAME: UNIVERSITY OF DUBUQUE **SALES ORDER NO.** S113696

Line	Purchase Order No.	Am-safe Part No.	Rev.	Lot No.	Customer Part No.	Dated Code	Quantity
1	5484	504516-401-8087	M	220704	NONE	7.0704	1

This document is the property of the customer and should remain with the articles listed above.
PLEASE DELIVER TO THE QUALITY ASSURANCE DEPARTMENT

REMARKS:

REPAIR STATION # I6AR839J

AMSAFE INC
1043 NORTH 47th. AVENUE
PHOENIX, ARIZONA 85043 USA
PHONE: (602) 850-2850 FAX:(602) 850-2812

Christina Trujillo
QUALITY ASSURANCE REPRESENTATIVE DATE

CUSTOMER

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
6-17-08	2184	8	Replaced attitude indicator with overhaul/exchange from Mid-Continent Instruments	James Jenkins
DATE <u>6-25-2008</u> TACH <u>2202.1</u> TT <u>2202.1</u> I CERTIFY THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>120hr</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION SEE AD LIST IN <u>Folder</u> FOR COMPLIANCE. WORK ORDER # <u>74182</u> SIGNED <u>S. W. Lee</u> FOR: <u>DAVID FLYING SERVICE, INC.</u> 10800 AIRPORT ROAD DUBUQUE, IOWA 52003 CRS #D2FR184J			① Inspected Aircraft Per FAR 43 Appendix D ② Replaced Nose Scissor Links center Bushings ③ Replaced Shimmy Damper Bolts ④ Repainted Tow Limits ⑤ adjusted Pilots Door lock latch ⑥ Replaced Vacuum Regulator filter ⑦ Replaced Fuel Strainer O-Ring ⑧ charged up Battery ⑨ CW AD 84-26-02 Replaced Induction Air filter ⑩ Painted Prop. face ⑪ ELT check Per FAR 91.207(d)	
8-26-08	2256	5	Replaced stall horn	James Jenkins AT 3015246

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
9-12-08	2301	4	① INSPECTED AIRCRAFT PER FAR PART 43 APPENDIX D CHECKLISTS ② REPAIRED LEFT LOWER FIREWALL BRACKETS ③ REPLACED 4 COWLING RUBBER SHOCK MOUNTS ④ REPLACED 4 RECEPTICALS ON TOP FWD COWLING ⑤ Vacuum Regulation Filter Replaced ⑥ Tow bolt Tightened ⑦ Tightened RH Fuel Steps ⑧ RH Flap Chatter Tape Installed ⑨ Replaced Pilots window Latch Spring ⑩ Pilots Door Lower Hinge Screws Secured ⑪ Replaced 4en Cowl Shock Mounts ⑫ 4en Top Cowl Recepticles Replaced ⑬ Nose Scissor Links Re-bushed ⑭ ELT checked per FAR 91.207(d)	
DATE <u>9-12-08</u> TACH <u>2301.4</u> TT <u>2301.4</u> I CERTIFY THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>120 HOUR</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION SEE AD LIST IN <u>FOLDER</u> FOR COMPLIANCE. WORK ORDER # <u>74294</u> SIGNED <u>S. W. Lee</u> FOR: <u>DAVID FLYING SERVICE, INC.</u> 10800 AIRPORT ROAD DUBUQUE, IOWA 52003 CRS #D2FR184J				

1. Approving National Aviation Authority/Country: FAA/UNITED STATES

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

3. Form Tracking Number: WRRK0123515

4. Organization Name and Address:  MID-CONTINENT INSTRUMENT CO., INC
 9400 E 34th ST. NORTH
 WICHITA, KS 67226-2615

5. Work Order/Contract/Invoice Number: WRRK0123515

FAA CRS OL2R061L

6. Item:	7. Description:	8. Part Number:	9. Eligibility:	10. Quantity:	11. Serial/ Batch Number:	12. Status/Work:
1	ATTITUDE GYRO	1U149-015-9 5000B-67/S3326-1	N/A	1	<i>Fastell N16740</i> 6-13-08 T62677K 21848	OVERHAULED

13. Remarks: **THE WORK ORDER REFERENCED DESCRIBES THE ACTUAL WORK PERFORMED.**
ALL WORK WAS PERFORMED REF. MANUAL # 86M024 12/1/78

The work specified in block 12/1/3 except as otherwise specified was carried out in accordance with EASA Part 145 and in respect to that work the aircraft component is considered ready for release to service under EASA Approval Certificate Number EASA.145.4675.

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

Approved design data and are in condition for safe operation.

Non-approved design data specified in Block 13.

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

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

15. Authorized Signature:

16. Approval/Authorization No.:

17. Name (Typed or Printed):

18. Date (m/d/y):

19. Authorized Signature: *Nicholas Howe*

20. Name (Typed or Printed): NICHOLAS HOWE

21. Approval/Certificate No.: FAA CRS OL2R061L

22. Date (m/d/y): Jun/3/2008

User/Installer Responsibilities

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

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

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



May 28, 2008

Page: 1

Final Work Order

Nomenclature ATTITUDE GYRO	Serial No T62677K	Location KS	RMA #
Manufacturer's Part No. 1U149-015-9	Model No. 5000B-67/S3326-1	Quantity 1	
Manufacturer SIGMA-TEK			Service Period

Reason For Removal
OVERHAUL.

Work Instructions Panel Tilt: 0° Input: AIR LTG: YES
 Warranty Repair _____ Overhaul Return As Is _____
 Functional Test _____ Repair _____ Modified _____

Preliminary Inspection
 Seals Broken No Cover Damaged No Hidden Damage Inspection Required No
 Nameplate Damaged No Finding

Preliminary Inspector **KELLEY ROSEBAUGH**

Date **May 28, 2008**

Failure Analysis Filter Contaminated
 BEARINGS STIFF, ROTOR IS ROUGH.

Previous Service Bulletins Installed: N/A

Work Accomplished
 DISASSEMBLED, CLEANED, INSPECTED, REPAIRED AS NECESSARY USING PARTS LISTED, REASSEMBLED AND INSPECTED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS. UNIT IS OVERHAULED.

I.A.W Manual # 86M024 12/1/78
 Outgoing Service Bulletins N/A

Technician **OATHER STRAWDERMAN** Date **June 2, 2008**

In-Process Inspector **THU TUYET VU** Date **May 30, 2008**

FINAL INSPECTOR **NICHOLAS HOWE**  Date **June 3, 2008**

Parts Used

Part Number	Part Description	Quantity
1V285-991	ROTOR EDO HG	1
1V362-001	FILTER	1
58A127-002	WEIGHT	1
58A127-004	WEIGHT	1
60B076-002	BOTTOM PLATE	1
73B011-001	GASKET	1
3010709	O-RING, 0.114ID	3
S30004-001N	BEARING	2



MID-CONTINENT INSTRUMENTS CO., INC.
 9400 E 34TH ST. NORTH
 WICHITA, KS 67226-2615
 FAA CRS OL2R061L

WRK0123515



May 28, 2008


Page: 2

Final Work Order

Nomenclature ATTITUDE GYRO	Serial No T62677K	Location KS	RMA #
Manufacturer's Part No. 1U149-015-9	Model No. 5000B-67/S3326-1		Quantity 1
Manufacturer SIGMA-TEK			Service Period

SSR4ZZMCRA7P24	BEARING, BALL	1
SSRI6632ZA0205	BEARING	2
S30007-03-N1	NYLON BALL	1
RI-1438ZZSD	BEARING	1
S46007-6S4C12	SCREW, SET	1
73B088-001	GASKET, BEZEL	1
6015317	SCREW 0-80X5/32	1
S46018-01C03BBB	SCREW	1

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE	DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS 10THS		
<p>Date: 9/24/2008; Aircraft: N167UD; Type: C-172R; S/N: 17281188; Hobbs: 2895.80; Tach: 2323.30; Total Time: 2323.30; Engine - Type: IO-360-L2A, S/N: L-31103-51A **** Airframe Log Entry **** Log ID <u>4497</u> Replaced ring terminal on ground wire and condenser wire. Installed Aerotech of Louisville overhauled Alternator PN DOFF10300B, SN 122593., ref to WO#91986. Run up and ops checked good. All work accomplished in accordance with current technical instructions. Clifford Sugden A&P26599941A</p>			
<input checked="" type="checkbox"/> Wisconsin Aviation - Madison 3606 Corben Court Madison, WI 53704 608-268-5003			<input type="checkbox"/> Wisconsin Aviation - Watertown 1741 River Drive Watertown, WI 53094 920-261-4567

MODEL	CESSNA 172R	NORTH STAR AVIATION	DATE	10/9/2008
SERIAL #	172-81188	3030 AIRPORT RD.	W/O	2435 P
REG #	167 UD	MANKATO, MN 56001	TACH	2355.5
		FAA REPAIR STATION #NUTR521L	HOBBS	2935.4

- CHANGED RT. MAIN TIRE AND TUBE, (SUPPLIED BY OPERATOR)
 DATE 10/9/2008 SIGNED Dan Bloemke
 DAN BLOEMKE

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE	DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
10-28-08	Tach 2401 AFTT 2401	Completed 100 hr inspection at this time. Checked cables, pulleys and bellcranks. Checked cable tensions. Checked wing, tail and gear attach points. Checked wheels, tires and brakes. Replaced left tire with new 6.00-6 6 ply Goodyear Flight Special II tire and balanced. Checked nose gear and shimmy dampner condition. Checked interior and exterior lighting. Serviced aircraft battery. Checked ELT condition and operation per Part 91.207d and found OK. ELT battery due June 2009. Checked seats, belts and upholstery condition. Checked cabin doors and windows. Checked area under panel for clearance of controls. C/W AD 08-14-07 (8-14-07) by inspecting fuel injector lines and clamps- see eng log.	
I CERTIFY THAT THIS AIRCRAFT/ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH ANNUAL/100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.			
TACH HOURS <u>2401 + AFTT</u> DATE <u>10-28-08</u> W/O NO. <u>12184</u> BY <u>Brian DeWitt</u> MONTICELLO AVIATION, INC. REGIONAL AIRPORT, MONTICELLO, IA FAA CERTIFIED REPAIR STATION #K02R959K			

1. Approving National Aviation Authority/Country: FAA/UNITED STATES

AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number: INV #:

4. Organization Name and Address: **Aerotech of Louisville, Inc. 2209 Watterson Trail Louisville, KY 40299**

5. Work Order, Contract, or Invoice Number: **W/O: 91986**

6. Item:	7. Description:	8. Part Number:	9. Eligibility:	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1	FORD ALTERNATOR	DOFF10300B	N/A	1	S/N C122593	OVERHAULED

13. Remarks: *W/O 7 W/O*
 This item was overhauled by Aerotech of Louisville, Inc. on W/O # 91986 Dated 07/08/2008
 FAA Approved repair station number PU4R453M.
 Overhauled unit per overhaul manual TW5000

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

Approved design data and are in a condition for safe operation

Non-approved design data specified in Block 13

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

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

15. Authorized Signature:	16. Approval/Authorization No:	20. Authorized Signature:	21. Approval/Certificate No:
17. Name (Typed or Printed):	18. Date(m/d/y):	22. Name (Typed or Printed):	23. Date:
		John C. Evans	PU4R453M
User/Installer Responsibilities			
			07/08/2008

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

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

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

Aerotech of Louisville Inc.

2209 Watterson Trail

Louisville, KY 40299

FAA Certified Repair Station # PU4R453M

Ford OE-A2 Alternator Maintenance Release

Model <u>28V 60A</u>	Part No. <u>D0FF10300B</u>	Serial No. <u>C122593</u>
Work Order No. <u>91986</u>	Technician <u>Mike Fajardo</u>	Date <u>07/08/08</u>

This unit was disassembled, cleaned, inspected, reassembled, and tested in accordance with current manufacturer's overhaul manual specifications and in accordance with current F.A.A. regulations concerning this unit.

The Following Parts Have Been (All Other Parts Are								
Qty.	Part#	Desc.	Qty.	Part#	Desc.	Qty.	Part#	Desc.
1	ES4104	BEARING						
1	ES4130	BEARING						
1	ES4118	BRUSH KIT						
1	121080 ..	RECTIFIER						
3	ES4242	RETAINERS						
1	ES4102	FAN/PULLEY						

MAJOR OVERHAUL

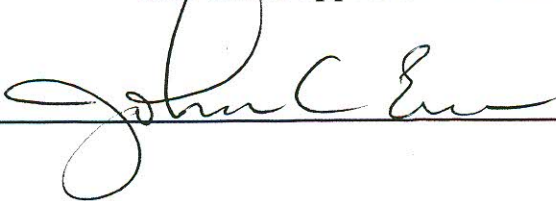
In some instances F.A.A. approved P.M.A. parts are used other than the original manufacturer's

AD Notes

AD No.	Int.	Method of Compliance	AD No.	Int.	Method of Compliance

Service Bulletins Complied With

This unit is approved for return to service

Signature  Date 07-08-08

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
11-25-08 Tach	2008 2450.6		① Repaired Positive Wire at Alternator	WORK ORDER NO. 74596 SIGNED <u>Et W Jen</u> FOR DAVID FLYING SERVICE, INC. F.A.A. APPROVED CRS# D2FR184J
12/12/08	2462.2	2	MINOR Plastic Repair Left Elevator Tip	AP2774600 <u>M. K.</u>
12/22/08	2462.2	2	Re-installed Pilot Right seat Defrost vent Knobs.	AP2774600 <u>M. K.</u>
01/06/09	2464.4	4	① Replaced ② static wicks ON Right Elevator. ② Replaced Attitude indicator Light BAR.	AP2774600 <u>M. K.</u>
<p>N167UD 1-9-2009 tach: 2465.2 Complied with AD 2008-26-10 (Alt. static air source) dated 1-5-2009 by inspection as per para (e) (2) (i). Identification placard is not obstructing port. James S. Jenkins AP3015266 <u>James S Jenkins</u></p>				

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
01/16/08	2465.2	2	Replaced Right Brake Pads.	AP2774600 <u>M. K.</u>
<p>DATE 2-4-09 TACH 2500.8 TT 2500.8 I CERTIFY THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION SEE AD LIST IN FOLDER FOR COMPLIANCE. WORK ORDER # 74735 SIGNED <u>Paul M. Kowal</u> AP479885177 BLUE SKIES OVER DURHAM INC W/O 74735</p>				
			① INSPECTED AIRCRAFT PER FAR PART 43 APPENDIX D CHECKLIST ② REPLACED LEFT BRAKE LININGS ③ REPLACED STOP SPRING ON LEFT CABIN DOOR ④ SECURED MLG STRUT/BOX ATTACH SCREWS ⑤ SECURED FUELING ASSIST STEP ATTACH BOLTS ⑥ SECURED LEFT NAV LIGHT LENS	
			⑦ REPLACED VACUUM SYSTEM INLET AND FOAM FILTERS ⑧ REPLACED IEA. COWLING RUBBER SHOCK MOUNT ⑨ SECURED FLAP MOTOR ATTACH BOLT ⑩ CHARGED UP BATTERY ⑪ w/FAR 91.207 (d) Insp. ELT RADIO	
2-6-09	2504.9	9	Resoldered orange wire on left trim switch on yoke	<u>James S Jenkins</u> AP 3015266

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
DATE 4-9-09	TACH 2600.4	TT 2600.4	① INSPECTED AIRCRAFT PER FAR PART 43 APPENDIX D CHECK LIST	43 Appendix
I CERTIFY THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AIR-WORTHY CONDITION. SEE AD LIST IN FOLDER FOR COMPLIANCE. WORK ORDER # 74893			② REPLACED 3 RUBBER COWLING SHOCK MOUNTS	
SIGNED Paul M. Kourne BLUE SKIES OVER DUBUQUE, INC. FAA REPAIR STATION #YQYR349B			③ REPLACED BOTH STEERING BOOTS	BOLTS
			④ SECURED LOOSE NOSE SCISSOR LINK BOLTS	
			⑤ SECURED LOOSE LEFT CABIN DOOR HANDLE	
			⑥ REPLACED LEFT CABIN DOOR HINGE PINS	
			⑦ SECURED TOW BAR ATTACH BOLT	
			⑧ REPLACED O-RING ON FUEL STRAINER BOWL	
			⑨ REPLACED FOAM VACUUM FILTER	
			⑩ CHARGED UP BATTERY	
			⑪ C/W FAR 91.207(d) Insp. ELT RADIO	
<p>N167WJ - Replaced landing light bulb - Replaced Beacon 6/2/09 Mike Brown Commercial 2783296 Tach 2652.5</p>				

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
6/25/09	2661.	7	Reinstalled GPS AFTER REPAIRS.	AP2774600 M. K.
6/25/09	2661.	7	Replaced ELT BATTERY, Complied with 91.207(d). NEXT Replacement Due JUNE 2011	AP 2774600 M. K.

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

2. Form Tracking Number: AV-1139

4. Organization Name and Address: Eastern Iowa Avionics Inc
3411 Beech Way SW
Cedar Rapids IA 52404

5. Work Order/Contract/Invoice Number: AV-1139

6. Item:	7. Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1	KLN-94	069-01034-0102	Various	1	20414	Repaired

13. Remarks:
Installed new internal memory battery. Bench tested and found unit meets or exceeds MFG specs per M/M

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

Approved design data and are in a condition for safe operation.

Non-approved design data specified in Block 13.

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


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

15. Authorized Signature:

16. Approval/Authorization No.: ZSER281T

17. Name (Typed or Printed): Ryan Paulson

18. Date (m/d/y): JUN 22, 2009

20. Authorized Signature: 

21. Approval/Certificate No.:

22. Name (Typed or Printed): Ryan Paulson

23. Date (m/d/y): JUN 22, 2009

User/Installer Responsibilities

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

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


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

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
7-17-09	2678.7	7	① Inspected aircraft per FAR part 43 Appendix D checklist ② Replaced right door spring ③ Replaced screw in muffler shroud ④ Replaced rivnut for right wing lower cowling wing strut ⑤ Replaced right brake disc and repacked wheel bearings ⑥ Replaced ① screw on inspection panel for electric fuel pump I certify this aircraft has been inspected in accordance with 2 100 HOUR inspection and was determined to be in airworthy condition. See AD list in folder/binder for compliance.	James S Jenkins AP3015266
7-17-09	2678.7	7	Complied with AD 84-26-02 (1-29-1985) by installing new filter	James S Jenkins AP3015266

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
			<p align="center"> The following altimeter system and altitude Reporting equipment test and inspections as Required by FAR 91.411 law FAR 43, Appendix "E" have been performed: para (a) Static System <u>7-23-09</u> date para (b) Altimeter(s) <u>7-23-09</u> date Pilot's S/N <u>431557</u> C/P's S/N <u>X</u> Tested to: <u>20,000</u> feet. Para (c) Integrated System Test <u>7-23-09</u> date Signature: W.O. # <u>M 11318</u> <i>Jim O'Leary</i> Monticello Aviation Monticello, IA K02R959K </p>	

Scale Corrections			S-N 431557		
Altimeter Reads	Up	Down	After Effects ○		
			Altimeter Reads	Up	Down
- 1000	- 5				
- 500	0				
0	0		14000	+35	
500	0		16000	+30	
1000	+10		18000	+25	
1500	+5		20000	+40	
2000	+15		22000		
3000	+20		25000		
4000	+30		30000		
6000	+35		35000		
8000	+20		40000		
10000	+25		45000		
12000	+30		50000		
Date: 7-23-09			Tested by: 		

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
			<p>The ATC Transponder Tests and Inspection Required by FAR 91.413 were performed this Date and found to comply with FAR 43 Appendix F.</p> <p>1. Make <u>King</u> Model <u>KT76C</u> S/N <u>16199</u></p> <p>2. Make <u>✓</u> Model <u>✓</u> S/N <u>✓</u></p> <p>Details of this inspection are on file at this Facility under W.O. # <u>m 11318</u></p> <p>Date <u>7-23-09</u> Signed <u>B. O'Connell</u></p> <p>Monticello Aviation Monticello, IA CRS K02R959K</p>	

N167UD

- Replaced taxi light bulb

8-23-09

TACH 2721.7

Kevin Bradford
Commercial 3087589

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
9/8/09	2746.8		Removed, INSPECTED NOSE Wheel And INNER TOBE. Greased NOSE Wheel Bearings.	<i>James S Jenkins</i> AP 2774600
9-15-09	2764.7		Replaced landing light bulb	<i>James S Jenkins</i> AP 3015264
1-11-2010	2862.1		Replaced anticollision/strobe beacon lamp	<i>James S Jenkins</i> AP 3015264

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
DATE 9-25-09	TACH 2777.9	TT 2777.9	① INSPECTED AIRCRAFT PER FAR PART 43 Appendix D checklist ② REPLACED LH DOOR STOP SPRING ③ READJUSTED LH+RH CABIN DOOR INTERNAL LATCH ROD ④ REPAIRED GROUND TERMINAL WIRE ON ALTERNATOR ⑤ REPLACED 3 COWL SHOCK MOUNTS ⑥ REPLACED RUDDER CABLE AFT ATTACH BOLTS ⑦ SECURED TRIM TAB ACTUATOR ATTACH BOLT ⑧ REPLACED RH ELEVATOR OUTBOARD HINGE BOLT, Bushing + BEARING ⑨ REPLACED MISSING SCREW IN LANDING LIGHT LENS ⑩ CHARGED UP BATTERY ⑪ REPLACED VACUUM REGULATOR FOAM FILTER ⑫ REPLACED FUEL BOWL O-RING ⑬ REPAIRED TOP RH FIREWALL CRACK WITH STAINLESS STEEL PATCH, PER SB98-53-08 INSTRUCTIONS ⑭ SECURED LOOSE SHIMMY DAMPNER WITH NEW BOLTS + BUSHING	Appendix D checklist
I CERTIFY THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIR-WORTHY CONDITION. SEE AD LIST IN FOLDER FOR COMPLIANCE. WORK ORDER # 75355				
SIGNED: Paul M. Kaune BLUE SKIES OVER DUBUQUE, INC. FAA REPAIR STATION #YQYR343B				
N1670D - Replaced Tail Beacon 1-30-2010 Tach 2875.7 3233209 Commercial				

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
DATE 2/3/10	TACH 2877.7	TT 2877.7	① Inspected Aircraft as per FAR Part 43 Appendix D checklist. ② Charged battery and serviced with water. ③ ELT inspected as per FAR 91.207(d). ④ Replaced forward and rear rod ends on left aileron. ⑤ Replaced both main tires with retreads From Aero Wheel and Bra Wo# 115888 right, Wo# 115904 left. ⑥ Replaced left brake disc. ⑦ Installed new brake pads both sides ⑧ Tightened tach cable at instrument. ⑨ Installed new bolts on front seats for inertia reels. ⑩ Secured throttle control rod end. ⑪ Secured pilots door interior panel. ⑫ Replaced springs fuel str ⑬ Replaced vacuum regulator filter.	
I CERTIFY THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 hour INSPECTION AND WAS DETERMINED TO BE IN AIR-WORTHY CONDITION. SEE AD LIST IN Folder FOR COMPLIANCE. WORK ORDER # 75635				
SIGNED: Paul M. Kaune BLUE SKIES OVER DUBUQUE, INC. FAA REPAIR STATION #YQYR343B				
3-16-2010	2903	0	Replaced rudder lower static wick	James S. Jewell AP 3015246

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
6/9/2010	2977.2	2977.2	① Inspected aircraft as per FAR 43 Appendix D checklist. ② Replaced 2 cow l shock mounts and 1 fastener. ③ Replaced central vacuum filter and vac relief valve filter. ④ Replaced fastener on air filter retainer. ⑤ Replaced #2 exhaust riser, Aero space # 68759 ⑥ Installed new bonding strap on left elevator. ⑦ Installed 3 nut plates in top left flap insp panel. ⑧ Replaced mixture control rod end, check travel ⑨ Repacked all wheel bearings.	AP2774600 Paul M. Kourne
7/22/2010	2980	9	Replaced Baggage Door Latch.	AP2774600 Paul M. Kourne
9-15-2010	3014	4	Replaced tail nav light bulbs	James S Jenkins AP3015264
9-27-10	3021	4	Replaced nose tire valve stem core and balanced tire	James S Jenkins AP3015264

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
10-1-2010	3026	1	① Replaced nose tire and balance nose wheel assembly ② Repacked nose wheel bearings ③ Serviced nose strut with hydraulic fluid and nitrogen	James S Jenkins AP3015264

Date: 1/7/2011
 Tach/Hobbs: 3076.8
 Total Time: 3076.8



Repair Station # YQYR343B
 10800 Airport Road
 Dubuque, IA 52003
 563-582-1293

1. Inspected Aircraft Per FAR 43 Appendix D Checklist
2. Repaired Lower Cowl Support Brace Bracket
3. Replaced Both Cabin Door Stop Springs
4. Replaced Both Cabin Door Lower Hinge Pins
5. Adjusted LH Flap Travel
6. Replaced RH Fuel Cap Gasket
7. Repositioned RH Rudder Cable Attach Bolt
8. Replaced Pedestal Light Bulb
9. Replaced Fuel Bowl O-Ring
10. Replaced Vacuum Relief Filter
11. C/W FAR 91.207 (d) Insp. Elt Operation

I certify this aircraft has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition. See AD List in Folder for compliance.

Work Order # 76425

Name: Eric Seier

Signed: [Signature]

Certified Repair Station # YQYR343B

10800 Airport Road
 Dubuque, Iowa 52003
 FAA Repair Station YQYR343B

Altimeter Make UNITED
 Model 5934 PD-3
 S/N 431567

Test Altitude in Feet	Reading	Tolerance +/(feet)	HYSTERESIS/TEST TOLERANCES		
			Reading	Tolerance (feet)	
-1000	+5	20			
0	+5	20	Case Leak Test	-15	100
500	+5	20	Hysteresis Test	+30	75
1000	+5	20	First TP .50% of Max		
1500	+5	25	Hysteresis Test	+15	75
2000	+10	30	First TP .40% of Max		
3000	+10	30	After Effect	+15	30
4000	+10	36			
6000	+15	40	Kollsman Window Calibration		
8000	+45	60	Pressure		Altitude
10000	+50	80	Setting in	Reading	Difference
12000	+80	90	in./Hg.		(feet)
14000	+100	100	28.10	+2	-1727
16000	+100	110	28.50	+2	-1340
18000	+120	120	29.00	-2	-863
20000	+130	130	29.50	+2	-392
22000		140	29.92	0 (ref)	0
25000		155	30.50	+4	531
30000		180	30.90	-3	893
35000		205	30.99	+11	974
40000		230	W/O No. <u>76826</u>	Date <u>7-20-2011</u>	

Date: 11/14/2011
 Tach/Hobbs: 3176.4
 Total Time: 3176.4



Repair Station # YQYR343B
 10800 Airport Road
 Dubuque, IA 52003
 563-582-1293

ED SIGNATURE,
 ICATE TYPE
 NUMBER

DATE	TOTA
	IN SE HOURS

1. Inspected aircraft per FAR 43 Appendix D checklist. 2. Greased all wheel bearings. Balanced nose wheel assembly. 3. Replaced 1ea shimmy dapner bolt. Secured tow bolt. 4. Replaced 4ea Co-pilots seat roll pins. 5. Secured Right wing fuel tank screws. 6. Replaced 5ea cowl shock mounts. Replaced 1ea rivet on lower cowl support bracket. Replaced 2ea cowl receptacle and 4ea cowl fasteners on nose cowl. 7. Replaced vacuum relief filter. 8. Replaced fuel bowl o-ring. 9. C/W AD84-26-02 (Induction Air Filter) Replacing filter with new. 10. C/W FAR 91.207(d) Inspected ELT for operation. 11. Preformed alternator over voltage test.

I certify this aircraft has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition. See AD List in Folder for compliance.
 Work Order # 77130
 Name: Eric W. Seier

Signed: EW
 Certified Repair Station # YQYR343B

11-16-11	3186.9	Replaced landing light.	Tiffany Borne AP3527990
11-19-11	3184.9	Replaced Right vacuum pump w/ O/H/E I723308.	Tiffany Borne AP3527990
11-21-11	3184.9	Replaced static wick Right elevator.	Tiffany Borne AP3527990
1-24-2012	3214.4	Replaced LEFT vacuum pump with overhaul exchange SN: 148359 (upper) (215cc)	James Jenkins AP3015266

THIS AIRCRAFT (AIRFRAME) LOGBOOK CLOSED 1-24-2012
 TACH & TOTAL TIME 3214.4

SERVICE BULLETIN COMPLIANCE RECORD

S.B. NUMBER	DATE OF COMPLIANCE	TOTAL TIME IN SERVICE		TYPE S.B. (X)		NEXT COMPLIANCE DUE-DATE/ HOURS/OTHER	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER	REMARKS
		AIRFRAME	COMPONENT	ONE-TIME	RECURRING			

Service Publication Compliance Record

Aircraft Model: 172R

Serial Number: 17281188

Registration: N167UD

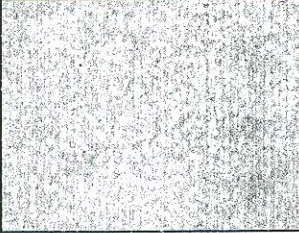
Service Information Number	Description	Complied With Date/Time	Method of Compliance or Applicability Status	Once or Recur	Next Due Date/Time
Lycoming S/B 480D	Oil Filter Change/Content Inspection	Pre A/W Tach: 2.6	Oil filter was cut open and paper element inspected. Nothing abnormal noted. New filter installed and engine ground run for leak check.	Recur	Tach: 27.6
SB00-73-01 REV 1	Fuel Injector Clamp Inspection	Pre-AW	First visual inspection complied with per Lycoming Service Bulletin 342C prior to receiving airworthiness certification.	Recur	Tach: 100.0 or 100 hr inspection
Lycoming SB 557	Fuel servo inspection	Pre-AW	N/A per S/N	Once	
Compliance verified at time of delivery. Authorized Inspector Signature and Stamp: <u>SE 197R796N 16</u> 11-Sep-03 C.R.S. 197R796N					

SB04-24-01 ACU N/A by SERIAL #

SB 03-37-01 VACUUM MANIFOLD INSP N/A by S/N

SB 04-28-01 RUBBER FUEL HOSE N/A by S/N

Paul M. Kamm
 02 APR 18 4 J

1. Approving National Aviation Authority / Country: FAA / UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: AA 17233-0000	
4. Organization / Name and Address: Aero Accessories, Inc. 1240 Springwood Avenue, Gibsonville, NC				5. Work Order / Contract / Invoice Number: 17233-0000	
6. Item	7. Description	8. Part Number	9. Eligibility	10. Quantity	11. Serial / Batch Number
1	Dry Air Pump	216CW	N/A	1	1723308
12. Status / Work OVERHAUL					
13. Remarks OVERHAULED IAW ONE OF THE FOLLOWING FAA APPROVED PROCESSES: 203-6-1009, 203-6-1010, 203-6-1011, 203-6-1012 CERTIFIES THAT THE WORK SPECIFIED IN BLOCKS 12+13 WAS CARRIED OUT IAW FAR 145 AND IN RESPECT TO THAT WORK THE COMPONENT IS CONSIDERED READY FOR RELEASE TO SERVICE FOR WORK PERFORMED UNDER EASA ACCEPTANCE CERTIFICATE NUMBER EASA 145.5682					
		19. <input checked="" type="checkbox"/> 14 CFR 43.9 Return To Service <input checked="" type="checkbox"/> Other Regulation Specified in Block 13 Certifies that unless otherwise specified in block 13, the work identified in block 12 and described in block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
		20. Authorized Signature <i>Mitchell Murphy</i>		21. Approval/Certificate No: YV4R688M	
		22. Name (Typed or Printed) Mitch Murphy		23. Date (M / D / Y) 09/13/2011	
User / Installer Responsibilities					
It is important to understand that the existence of this document alone does not automatically constitute authority to install the part / component/ assembly. Where the user / installer work in accordance with the national regulations of an Airworthiness Authority different than the Airworthiness Authority of the country specified in Block 1. It is essential that the user/installer ensures that his/her Airworthiness Authority accepts parts / components/ assemblies from the Airworthiness Authority of the country specified in block 1. Statements in block 14 and 19 do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user / installer before the aircraft may be flown.					

1. Approving National Aviation Authority/Country:
 Authority/Country:
 FAA/UNITED STATES

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

3. Form Tracking Number:
 148359

4. Organization Name and Address

Rapco, Inc., 445 Cardinal Lane, Hartland, WI 53029 (NIE5R064N)

5. WorkOrder/Contract/Invoice Number:
 148359

NI67UD
1-24-2012
3214.4
LEFT (upper)

6. Item:	7. Description:	8. Part Number	9. Eligibility:*	10. Quantity	11. Serial/ Batch-Number:	12. Status/Work:
1	Vacuum Pump	215CC	N/A	1	148359	OVERHAULED

13. Remarks:
 The above item has been overhauled in accordance with FAA approved process specification #203-6-1009 Revision 7 Dated March 27th, 2009.
 This certifies that the work specified in block 12 and 13 was carried out in accordance with EASA part 145 and with respect to that work, the Component is considered ready for return to service under EASA part 145 approval number "EASA.145.4802"

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

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

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

15. Authorized Signature:	16. Approval/Authorization No.:	20. Authorized Signature:	21. Approval/Certificate No.:
17. Name (Typed or printed):	18. Date (m/d/y):	22. Name (Typed or Printed):	23. Date (m/d/y):
		JENNIFER L. DRGAS	December 19, 2011

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.
 Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different that the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures the his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.
 FAA Form 8130-3 (6-01) *Installer must cross-check eligibility with applicable technical data. NSN:0052-00-012-9005

