INSTRUCTIONS

This record should be completed and maintained in accordance with FAA Federal Aviation Regulations:
91.411 Altimeter system and altitude reporting equipment tests and inspections,
91.413 ATC transponder tests and inspections,

and

43.9, 43.11 and 91.215, and/or other prevailing government regulations.

NOTE: Record required tests in the back of this record
Record Service Letters and Airworthiness Directives in the back of this record as well as the
Airframe Maintenance Record.

Copyright © 1996

MAINTENANCE RECORD

<table>
<thead>
<tr>
<th>DATE</th>
<th>TOTAL TIME IN SERVICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>19</td>
<td>HOURS 10ths</td>
</tr>
</tbody>
</table>

Log Book Entry

N698SA  S/N 17288598
T.T. 1631.2  H.M. 2167.3
Removed attitude gyro P/N IU149-015-9 S/N T73449P.
Installed overhauled exchange same P/N, S/N T66707L.
Operational test good.

Date: 1/7/03

I certify that the article described above is airworthy
with respect to the work performed.

W/O#: 321688  Date: 1/7/03
Signature:    

W.O. # 321688

Mercer County Airport
Trenton, NJ 08628

Authorized Signature
Certificate Type & Number
### MAINTENANCE RECORD

**DESCRIPTION OF THE WORK PERFORMED**

- **AeroGenesis I, LLC**
  - Date: 6-14-03
  - S/N: 1203-279
  - Reg#: 2542F
  - Type: C 892A
  - Capital City Airport
  - Model: 172
  - S/N: 172361075
  - Tach: 830.5
  - Hobbs: 1086.5

  Altimeter P/N: S1340-1
  - S/N: 4919510
  - was tested to 20,000 feet, and complies with FAR 91.411 IAW FAR 43, App. E.

  Transponder P/N: KF-76C
  - S/N: 12786
  - was tested and complies with FAR 91.413 IAW FAR 43 App. F.

  Altitude reporting checked and complies with FAR 91.411 IAW FAR 43, App. E.

  Static system tested and complies with FAR 43, App. E.

The aircraft, airframe, engine or appliance identified was repaired and inspected in accordance with current regulations of the FAA and is approved for return to service.

**Name:** [Signature]

**Date:** 6-16-03

For FAA approved repair station ECFR459D

---

**Suburban Aviation, Inc**

- 4383 Section Road
- Ottawa Lake MI 49127
- (734)939-6103
- www.suburbanaviation.com

---

**Work Order:** 07679

**Department:** Repair

**Sold To:** American Wings
- 3775 W Bristol Rd
- Flint, MI 48507

---

**Aircraft Number:** N3432F

**Type:** Cessna 172 R

**S/N:** 12261075

**Eng#** | **Time** | **Prop Type** | **Prop S/N** | **Prop Time**
---|---|---|---|---
1 | 1,079.3 | 0.0 | | 2/45

---

**Discrepancy:**

**Problem:**

- Completed the 100 hr Annual Inspection law the 172 service manual. ADs were checked per 2004-03. Installed a new induction paper air filter per A094-25-02, due next at 1578.3. Inspected the fuel lines and clamps per MGB 342D and A02002-20-01.将持续完成autopilot computer was modified to P/N 06S-20178-7705 and 333 with exchanged for one per SB03-34-01 and Mod 7. G/PS S/N 4210 was modified with GB KNL4-5W3. Removed the wheel fairings. Replaced the beacon lamp and pedestal lamp, all others tested good. ELT inspections per FAR 91-207f, battery due 4/2005. Reconnected the defroster hose that came loose. CW SB03-27-02 flap control bracket bolt change. Removed the lower windscreen strip. Installed the windshield and cleaned the break window. Replaced the flap handle placard due to stops worn off. Resealed the window strip. Tightened the door handles and adjusted the linkage. Checked the engines and lubricated the aircraft. Cleared the aircraft and checked for placards.

**I CERTIFY THIS AIRCRAFT WAS INSPECTED IN ACCORDANCE WITH A 100hr INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.**

**Signature:** [Signature]

**Date:** 2-11-2004
SERVICEABLE

CUSTOMER: SUBURBAN
AIRCRAFT NO. N3542F

WORK ORDER NO. 9851
MFG. B/K
PART NO. 065-00176-7703

DESCRIPTION OF PART: KC140
SERIAL NO. M5338

REMARKS:
INSTALLED S.B. # KC140-M1
FUNCTION TESTED SERV.

INSPECTED BY: [Signature]
DATE: 2/17/04

---

SERVICEABLE

CUSTOMER: SUBURBAN
AIRCRAFT NO. N3542F

WORK ORDER NO. 9851
MFG. B/K
PART NO. 065-01034-010

DESCRIPTION OF PART: KLN 94
SERIAL NO. 4210

REMARKS:
INSTALLED S.B. # KLN94-SW1
FUNCTION TESTED SERV.

INSPECTED BY: [Signature]
DATE: 2/17/04
MAINTENANCE RELEASE

THE ACCESSORY, UNIT AND/OR COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT INSTRUCTIONS CONTAINED IN, B/K S.8.6 K164-56/3 AND THE MAINTENANCE RULES OF THE FEDERAL AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY UNDER

WORK ORDER NO: 9851

DATE 2/17/04  SIGNED

(Sign of Authorized Individual)
### MAINTENANCE RECORD

<table>
<thead>
<tr>
<th>DATE</th>
<th>TOTAL TIME IN SERVICE</th>
<th>DESCRIPTION OF THE WORK PERFORMED</th>
<th>AUTHORIZED SIGNATURE, CERTIFICATE TYPE &amp; NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>6-17-2004</td>
<td>119 hrs 3 mins</td>
<td>Cessna 172R 17281075 2613.7 tach hrs May 21, 2007 Adjusted encoder output and functionally tested system Mode C output functioned at all times with no problems. Repaired transponder KT076C s/n 12786. Complied with Part 43 Appendix E para. c Final test O.K. CRS # RO2142L</td>
<td></td>
</tr>
</tbody>
</table>

### MAINTENANCE RECORD

<table>
<thead>
<tr>
<th>DATE</th>
<th>TOTAL TIME IN SERVICE</th>
<th>DESCRIPTION OF THE WORK PERFORMED</th>
<th>AUTHORIZED SIGNATURE, CERTIFICATE TYPE &amp; NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>12-19-07</td>
<td>2868.3 hrs</td>
<td>Removed GPS/NAV Annunciation Control Unit (switch box) s/n: D21385. Discarded aircraft.</td>
<td></td>
</tr>
<tr>
<td>1-7-08</td>
<td>2882.4 hrs</td>
<td>Reinstalled GPS/NAV Annunciation Control Unit (switch box) s/n: D21385 after repair by Mid Continent Instruments. Discard removed</td>
<td></td>
</tr>
</tbody>
</table>
**User/Installer Responsibilities**

<table>
<thead>
<tr>
<th>Dec 27/2007</th>
<th>RANDAL FERGUSON</th>
</tr>
</thead>
<tbody>
<tr>
<td>23. Date (mm/dd):</td>
<td></td>
</tr>
<tr>
<td>22. Name (Type or Printed):</td>
<td></td>
</tr>
<tr>
<td>21. Approval/Certificate No.:</td>
<td></td>
</tr>
<tr>
<td>20. Authorized Signature:</td>
<td></td>
</tr>
</tbody>
</table>

**FAA CRS & OERG No.:** 201

**14. Other regulations specified in Block 13.**
- [ ] 14 CFR 43.9 Return to Service
- [x] Other regulations specified in Block 13

**Approved design data and airworthiness**
- [x] Approved design data and airworthiness
- [ ] Non-approved design data specified in Block 13.

**13. Remarks:** All work was performed Ref. Manual # DP MDA. Series 6/0107

**FAA Form 8130-3, Airworthiness Approval Tag**

<table>
<thead>
<tr>
<th>Item</th>
<th>7. Description:</th>
</tr>
</thead>
<tbody>
<tr>
<td>8. Part Number:</td>
<td></td>
</tr>
<tr>
<td>9. Eligibility:</td>
<td></td>
</tr>
<tr>
<td>10. Quantity:</td>
<td></td>
</tr>
<tr>
<td>11. Serial/Batch Number:</td>
<td></td>
</tr>
<tr>
<td>12. Status:</td>
<td></td>
</tr>
</tbody>
</table>

**WRK1014004**

**WRK1014004**

**5. Work Order Number:**

**WRK1014004**

**9. Part Number:**

**WRK1014004**

**10. Quantity:**

**WRK1014004**

**4. Organization Name and Address:**

**FAA Form 8130-3, Airworthiness Approval Tag**

**Authorities & States**

**FAA**

**approval National Aviation**

**8130-3, Airworthiness Approval**

**Certificat**
Final Work Order

<table>
<thead>
<tr>
<th>Nomenclature</th>
<th>Serial No</th>
<th>Location</th>
<th>RMA #</th>
<th>AR #</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACU</td>
<td>D21385</td>
<td>KS</td>
<td>RMA000000133973</td>
<td>12091</td>
</tr>
<tr>
<td>Manufacturer's Part No.</td>
<td>MD41-231</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Manufacturer</td>
<td>MCI</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Customer</td>
<td>UNIVERSITY OF DUBUQUE</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Reason For Removal

THE GPS/NAV INDICATIONS DON'T LIGHT UP WHEN SWITCHING BACK AND FORTH. THE UNIT DOES STILL SWITCH THE SIGNAL BETWEEN THE GPS AND THE NAV UNITS. PLEASE ENSURE AIRWORTHINESS OF THE ENTIRE UNIT AND INCLUDE ANY UPDATES/MODIFICATIONS AS REQUIRED. CALL OR EMAIL JAMES JENKINS WITH REPAIR COSTS PLUS SHIPPING.

Work 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

Preliminary Inspector: NEHAL SYED

Failure Analysis

NAV INOP.

Previous Service Bulletins Installed: N/A

Work Accomplished

REPAIRED AS NECESSARY, TESTED TO MFG. SPEC. REPAIRED THE PARTS LISTED. CLEANED.

I.A.W Manual #: DP MD41 SERIES 6/01/07

Outgoing Service Bulletins: N/A

Technician: NEHAL SYED

In-Process Inspector: BRUCE GRAMMON

Final Inspector: RANDALL FERGUSON

<table>
<thead>
<tr>
<th>Parts Used</th>
<th>Part Number</th>
<th>Part Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>6011779</td>
<td>LAMP, 28V</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>7016355</td>
<td>FILTER, BLUE</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>7016553</td>
<td>OVERLAY, HORIZ.</td>
<td>1</td>
</tr>
</tbody>
</table>

Date: December 24, 2007

Date: December 26, 2007

Date: December 27, 2007
<table>
<thead>
<tr>
<th>DATE</th>
<th>TOTAL TIME IN SERVICE</th>
<th>DESCRIPTION OF THE WORK PERFORMED</th>
</tr>
</thead>
<tbody>
<tr>
<td>19</td>
<td>10ths</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Cessna 172R</td>
</tr>
<tr>
<td></td>
<td></td>
<td>17281075</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3198.7hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Aug 18, 2008</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Replaced pitch servo KS-270 with serviceable unit s/n 5347.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Tested system operation.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Final test O.K.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CRS# RO2R142L</td>
</tr>
<tr>
<td>11-26-05</td>
<td>3672.4</td>
<td>Installed serviceable comm panel KMA-26</td>
</tr>
<tr>
<td>11-30-05</td>
<td>3680.0</td>
<td>Replaced KMA-26 audio panel with s/n: A02837</td>
</tr>
<tr>
<td>11-14-02</td>
<td>4517.1</td>
<td>Replaced comm 1 with serviceable part.</td>
</tr>
<tr>
<td>11-27-02</td>
<td>4824.1</td>
<td>Re-installed original comm 2 after repair by Wisconsin Aviation.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Comm 2 repaired by Wisconsin Aviation.</td>
</tr>
</tbody>
</table>
Maintenance Release - The appliance identified above was repaired, maintained or altered, and inspected in accordance with current maintenance rules of the Federal Aviation Regulations under 14 CFR 43.9, and is approved for return to service.

Technician: [Signature] FAA Cert #: 2786461

Check here if unit was condemned, or not RTS as airworthy, note reason above:
PSE Document 002-901-0400, Rev. 02, 2/2006

1. UNITED STATES
   2. FAA FORM 8130-3
      AIRWORTHINESS APPROVAL TAG
      US Department of Transportation
      Federal Aviation Administration

4. ORGANIZATION
   CFE # DBKR124D
   Whiskey Aviation-Proud Lake, Inc., 1350 Center St., Madison, WI 53704
   Phone: (608) 168-0599

5. ITEM/F. DESCRIPTION
   3. PART NO.
   9. ELIGIBILITY/ maternity
   10. QTY.
   11. SERIAL NO.
   12. STATUS/WORK

81. KX-155A 069-01032-0101 TBD 01 14076 Repaired

17. EMARKS
   Performed mod 8, 9 and 12 on unit. Tested unit and found to meet M.P.

Limited life parts must normally be accounted of by maintenance history including total operational cycles/ flights since new.

15. Route is Service in accordance with 14 CFR 43.9

Estimated that the work specified in block 12 (or attached) above was carried out in accordance with FAA airworthiness regulations and in respect to the work performed the aircraft is tentatively approved for return to service.

19. Signature: [Signature]
   21. Certificate # DBKR124D
   23. Date: 04/02/2014

It is important to understand that the existence of the Document alone does not automatically confer authority to work on the portion specified.

When the work specified is performed in accordance with the regulations of an Airworthiness Authority different from the Airworthiness Authority of the country specified in block 1 it is essential that the work specified in block 17 and 19 be properly certified. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the applicable technical data.