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# AVIONICS MAINTENANCE RECORD

AIRCRAFT SERIAL AND REGISTRATION T18208696 N11847

**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,

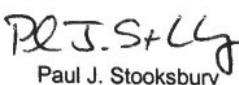
and

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.

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**MAINTENANCE RECORD**

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	1001s		
19				
			<p>Work Performed on Cessna T182T, s/n T18208696, N1184N, Hobbs 135.6, Tach 122.4, on 09-04-2008:</p> <p>Removed and replaced damaged Ethernet 2 cable (P1317-P1312). Cable was previously field repaired/patched in place, but G1000 system was still exhibiting intermittent component and system failures. Installed new Ethernet 2 cable (supplied by mfg/Cesena) between PFD and MFD using original routing path for cable. Also found slight damage to outer insulation of Ethernet 3 cable (P1312-P1533) connecting MFD Ethernet 3 port to GDL 69 Ethernet 1 port. There was no damage to shield or conductors of this cable, so outer insulation damage was repaired with fusion tape. Also improved routing and strain relief for this cable to prevent further damage. Tested and verified proper operation of G1000 system and components. No change to aircraft weight and balance records. This aircraft is approved for return to service with respect to this work performed. AvSpec Work Order #1537.</p>	
			<p>Avionics Specialists, LLC                  CRS # YOXR999X                  Loveland, CO</p>	
			<p>Date: 9/4/2008</p>	
			<p align="right">                       Paul J. Stooksbury                 </p>	

Work Performed on Cessna T182T, s/n T18208696, N1184N, Hobbs 135.6, Tach 122.4, on 09-04-2008:

ORIZED SIGNATURE,  
RTIFICATE TYPE  
& NUMBER

DATE	
19	

The following equipment and components were installed according to instructions in the Installation Manual, P/N 32-2351, Rev. 04, dated Oct 3, 2005, and guidance in FAA Advisory Circular 43.13-1.: Avidyne TAS (Avidyne/Ryan Model 9900BX) System Processor, P/N 70-2420-8 TAS600 with mounting tray conforming to TSO-C147; Transponder Coupler, P/N 70-2040, conforming to TSO-C147, and two L-band antennas conforming to TSO-C74c. The processor was installed in the Mounting Tray Assembly, located behind the aft baggage compartment on a mounting shelf using a hat section adapter plate fabricated from Alcad 2024T3 0.050, located at station 170.5. The Transponder Coupler was installed on existing structure (horizontal rail) immediately forward of the avionics mounting rack located behind the aft baggage compartment at station 123.5. An L-band Antenna was installed on the top of the aircraft fuselage at station 48.0; a second L-band Antenna was installed on the bottom of the aircraft fuselage at station 42.0. A Mute switch (pushbutton type MSPS103C0) was installed on the center instrument panel (standby instrument cluster panel) and labeled TAS MUTE. A second placard was added at the top of the throttle/prop/mixture controls subpanel stating "IF THE TAS IS OPERATED ABOVE 18,500 FT MSL, NO TRAFFIC INFORMATION, INCLUDING TRAFFIC ADVISORIES AND PROXIMITY TRAFFIC, WILL BE ANNOUNCED OR DISPLAYED." TAS 600 interfaced to avionics power bus via Klixon 7277-2 3 amp pull type circuit breaker in the previously empty circuit breaker location factory-labeled TAS. TAS 600 interfaced to Garmin G1000 avionics system IAW Cessna Wiring Diagram Manual p/n 182SWD05 for Model T182, Avidyne Advisory Bulletin 060206 Revision 3 (May 2, 2006) and Avidyne Installation and Configuration Document for the Avidyne Model 9900BX/TAS600 with the Garmin International G1000 Avionics System (Document Number 87-2237-101, 1May2006). An electrical load analysis was performed and found that the continuous load of the alternator does not exceed 80% of capacity. A complete operational test was performed according to the Installation Manual, P/N 32-2351, Rev. 04, dated Oct. 3, 2005. The equipment performed satisfactorily and did not adversely affect existing components or systems in the aircraft as required by 14 CFR 23.1301. An Avidyne TAS Pilot's Handbook, P/N 32-2352, Rev 6, dated 31 Jan 2006 was placed in the aircraft. FAA Approved Flight Manual Supplement for TAS 600 added to aircraft records. Aircraft weight and balance records are amended to reflect all of the above changes, and this aircraft is approved for return to service with respect to this work performed. AvSpec Work Order #1539.

Avionics Specialists, LLC  
CRS # YOXR999X  
Loveland, CO

Date: 9/4/2008

*Paul J. Stooksbury*  
Paul J. Stooksbury

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Standard Altitude	Altimeter Reading	Standard Altitude	Altimeter Reading
1000	-1020	10000	9970
0	-20	12000	11970
500	485	14000	13970
1000	985	16000	15960
1500	1480	18000	17960
2000	1980	20000	19960
3000	2980	22000	21960
4000	3975	24000	23960
6000	5970	26000	29960
8000	7970	28000	34960

Altitude Scale Correction Card  
Altimeter S/N: 20600487 Part Number: 01100882-10  
Date: 6-1-09 Tested By: *SAH*  
N 1184N WOI: A0896 #1 ALT ADC 749

Standard Altitude	Altimeter Reading	Standard Altitude	Altimeter Reading
1000	-990	10000	10000
500	5	12000	12005
1000	495	14000	14010
1500	995	16000	16000
2000	1495	18000	18000
2500	1990	20000	20010
3000	2990	22000	22010
4000	3990	24000	24020
6000	5990	26000	26030
8000	7990	28000	30040

Altitude Scale Correction Card #2 ALT  
Altimeter S/N: 459380 Part Number: 5934P03D  
Date: 6-1-09 Tested By: *SAH*  
N 1184N WOI: A0896 #2 ALT ADC 749

FAR 91.411 TESTS AND INSPECTIONS  
Lincoln Park Aviation, CRS# LKPR101K certifies that the  
Altimeter and Static tests required by FAR 91.411 were performed in  
accordance with and comply to Appendix E of Part 43. Aircraft N# 1184N  
altimeters are certified for a maximum altitude of 35K feet. The aircraft  
is returned to service.  
Altimeter #1 P/N 0110088210 S/N 20600487  
Altimeter #2 P/N 5934P03D S/N 459380  
SAH  
Signature Date 6-1-09 Work Order #

Date: 6-1-09 Tested By: *SAH*  
N 1184N WOI: A0896

### FAR 91.411 & 91.217 TESTS AND INSPECTIONS

Lincoln Park Aviation, CRS# LKPR101K certifies that the ADC and Static tests required by FAR 91.217 & FAR91.411 Were performed in accordance with and comply to Appendix E of Part 43. Aircraft N#1184N.ADC is certified to maximum altitude of 35K feet. The aircraft is returned to service.

ADC P/N 01100882 S/N 20600487

Scott L... 6-1-09 A0896  
Signature Date Work Order #

### FAR 91.413 TESTS AND INSPECTIONS

Lincoln Park Aviation, CRS# LKPR101K certifies that the TRANSPONDER tests required by FAR 91.413 were performed in accordance with and comply to Appendix F of Part 43. The aircraft is returned to service.

Transponder #1 P/N 0110077910 S/N 89103642

Transponder #2 P/N \_\_\_\_\_ S/N \_\_\_\_\_

Scott L... 6-1-09 A0896  
Signature Date Work Order #

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E WORK PERFORMED

MAINTENANCE RECORD

Altimeter Scale Correction Card #1 ALT

Altimeter S/N: 20600487 Part Number 01100882-10

Standard Altitude	Altimeter Reading	Standard Altitude	Altimeter Reading
-1,000	1010	10,000	9990
0	10	12,000	11990
500	490	14,000	13990
1,000	1000	16,000	15990
1,500	1490	18,000	17990
2,000	1990	20,000	19990
3,000	2990	22,000	22000
4,000	3990	25,000	25000
6,000	6000	30,000	30000
8,000	7990	35,000	35020

Date: 7-21-11 Tested By: S. J. L.

N 1184N W.O. #: A1005

Altimeter Scale Correction Card #2 ALT

Altimeter S/N: 459380 Part Number: 5934PAD3D

Standard Altitude	Altimeter Reading	Standard Altitude	Altimeter Reading
-1,000	1010	10,000	10000
0	0	12,000	12000
500	490	14,000	14020
1,000	1000	16,000	16020
1,500	1490	18,000	18040
2,000	2000	20,000	20040
3,000	3000	22,000	22060
4,000	4000	25,000	25060
6,000	6000	30,000	30090
8,000	8000	35,000	76010

Date: 7-21-11 Tested By: S. J. L.

N 1184N W.O. #: A1005

Lincoln Park Aviation CRS# LKPR101K  
LPA Form 16

FAR 91.411 TESTS AND INSPECTIONS

Lincoln Park Aviation, CRS# LKPR101K certifies that the Altimeter and Static tests required by FAR 91.411 were performed in accordance with and comply to Appendix E of Part 43. Aircraft N# 1184N altimeters are certified for a maximum altitude of 35K feet. The aircraft is returned to service.



Altimeter #1 P/N 0110088210 S/N 20600487

Altimeter #2 P/N 5934PAD3D S/N 459380

S. J. L. 7-21-11 A1005  
Signature Date Work Order #



## MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE & NUMBER
	HOURS	10ths		
19			<p style="text-align: center;"><b>Prop Entries</b></p> <p>(3) ANNUAL/PROP -inspected propeller in accordance with 100/annual inspection.</p> <p>The Aircraft, Airframe, Aircraft Engine, Propeller or Appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is Approved for return to service. Pertinent details of the repair are on file at this repair station under work order listed below.</p> <p>DATE: 7/25/2011</p> <p>SIGNED: </p> <p style="text-align: right;">Work Order: 9486</p>	
			<p><b>Prop MODEL:</b></p> <p>PROP SN: _____</p> <p>REG. NO: 1184N</p> <p>WORK ORDER: 9486</p> <div style="text-align: center;">  <p><b>Lincoln Park Aviation</b>                      Repair Station No. LKPR101K                      425 Beaverbrook Road                      Lincoln Park, NJ 07035                      Phone: 973-633-0450</p> </div> <p style="text-align: right;">DATE: 7/25/2011                      A/C TSN: 223.2                      PROP TT: _____                      HOBBS: 250.7</p>	
			<p style="text-align: center;"><i>Placed in Airman's log in entry #2</i></p>	

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**MAINTENANCE RECORD**



DATE 19	TOTAL IN SER HOURS	<p><b>KINGS AVIONICS, INC. 800-939-8412</b></p> <p>THIS IS A PERMANENT LOGBOOK ENTRY - PERFORMED TEST &amp; INSPECTIONS IAW FAR 43, APPENDIX E TO COMPLY WITH 91.411 <input checked="" type="checkbox"/>; APPENDIX F TO COMPLY WITH FAR 91.413 <input checked="" type="checkbox"/> JOB LOCATION: <u>Logan</u></p> <p>STATIC SYS #1 TEST ALT <u>1000 AGL</u> STATIC SYS #2 TEST ALT _____ STATIC SYS #3 TEST ALT _____</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>MANUE</th> <th>MODEL</th> <th>PART #</th> <th>S/N</th> <th>TESTED TO ALT</th> </tr> </thead> <tbody> <tr> <td>ALTIMETER #1</td> <td><u>Garmin</u></td> <td><u>G-1000</u></td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>ADC/ENCODER #1</td> <td><u>Garmin</u></td> <td><u>GDC-74A</u></td> <td><u>011-00882-10</u></td> <td><u>20600487</u></td> <td><u>20,000</u></td> </tr> <tr> <td>ALTIMETER #2</td> <td><u>United</u></td> <td><u>NMN</u></td> <td><u>5934PAD-3D</u></td> <td><u>429380</u></td> <td><u>20,000</u></td> </tr> <tr> <td>ADC/ENCODER #2</td> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>ALTIMETER #3</td> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>TRANSPONDER #1</td> <td><u>Garmin</u></td> <td><u>GTX-33</u></td> <td><u>011-00779-01</u></td> <td><u>89103642</u></td> <td>_____</td> </tr> <tr> <td>TRANSPONDER #2</td> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> </tbody> </table> <p>PERTINENT DETAILS ARE ON FILE AT THIS REPAIR STATION UNDER W/O # <u>36426</u> ACTT <u>449.4</u>          AUTH. SIGNATURE <u>Wailun Luk</u> DATED <u>8/28/2013</u> RECERT DUE DATE <u>8/2015</u> N <u>1184N</u></p> <p>Aviation maintenance release, the above identified aircraft was repaired and inspected in accordance with the current regulations of the FAA and is approved for return to service.</p>		MANUE	MODEL	PART #	S/N	TESTED TO ALT	ALTIMETER #1	<u>Garmin</u>	<u>G-1000</u>	_____	_____	_____	ADC/ENCODER #1	<u>Garmin</u>	<u>GDC-74A</u>	<u>011-00882-10</u>	<u>20600487</u>	<u>20,000</u>	ALTIMETER #2	<u>United</u>	<u>NMN</u>	<u>5934PAD-3D</u>	<u>429380</u>	<u>20,000</u>	ADC/ENCODER #2	_____	_____	_____	_____	_____	ALTIMETER #3	_____	_____	_____	_____	_____	TRANSPONDER #1	<u>Garmin</u>	<u>GTX-33</u>	<u>011-00779-01</u>	<u>89103642</u>	_____	TRANSPONDER #2	_____	_____	_____	_____	_____	AUTHORIZED SIGNATURE CERTIFICATE TYPE NUMBER
	MANUE	MODEL	PART #	S/N	TESTED TO ALT																																														
ALTIMETER #1	<u>Garmin</u>	<u>G-1000</u>	_____	_____	_____																																														
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TRANSPONDER #2	_____	_____	_____	_____	_____																																														
CRS: <input checked="" type="checkbox"/> KD6R661N- KSLC <input type="checkbox"/> KD6D661N- KSGU <input type="checkbox"/> KD62661N- KHND		FORM KA-12																																																	

**MAINTENANCE RECORD**

E	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
			<p>Kings Avionics, Inc. 237 North 2370 West Salt Lake City, UT 84116 KD6R661N                      LOG ID# 4572 29-August-2013 WO# 36426/3 REF# 36426 HOBBS 449.4                      N1184N S/N T18208696 CESSNA T182T</p> <p align="right">Pg 1 / 1</p> <p>THIS IS A PERMANENT LOGBOOK ENTRY.</p> <p>*** ITEM # 36426-3 Remove And Reinstalled Air Data Computer ***</p> <p>Preliminary found air data computer out of tolerance (see task 1). Removed defective Garmin air data computer M/N GDC-74A P/N 011-00882-10 S/N 20600487 for bench repair. Reinstalled same P/N S/N serviceable air data computer (tagged by KAI, see task 2). Performed IFR certification, ground checked good (see task #1).</p> <p>GENERAL AVIATION MAINTENANCE RELEASE: THE AIRCRAFT/APPLIANCE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FAA AND IS APPROVED FOR RETURN TO SERVICE.</p> <p>PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS STATION UNDER WORK ORDER #36426.</p> <p><u>Wailun Luk</u></p> <p>Signed KD6R661N Wailun Luk</p>	



**MAINTENANCE RECORD**

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
19			<p>PROP MODEL PROP S/N REG NO. 1184N WORK ORDER 9866</p>  <p><b>Lincoln Park Aviation</b> Repair Station No. LKPR101K 425 Beaverbrook Road Lincoln Park, NJ 07035 Phone: 973-633-0450</p> <p><b>Prop Entries</b> (3) ANNUAL/PROP - INSPECTED PROPELLER IN ACCORDANCE WITH 100/ANNUAL INSPECTION</p> <p>The Aircraft, Airframe, Aircraft Engine, Propeller or Appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is Approved for return to service. Payment details of the repair are on file at this repair station under work order listed below</p> <p>DATE: 7/16/2012      SIGNED:  <b>Inspector 2</b> Frank R Galella      Work Order: 9866 Certified Repair Station No. LKPR101K      Printed by EBIS 3 (datcomedia.com)</p>	<p>DATE 7/16/2012 A/C TSN 252 PROP TT 252 TACH 252</p>

Aircraft Maintenance Services  
Columbia, SC 29205  
Phone: (803) 708-7191

The following altimeter was installed:  
Make Garmin S/N# 20604477 This altimeter was tested by  
FAR 43, Appendix E on 6-25-15 by Repair Station  
FO7R634N to 25,000 ft.



Frank R Galella WO# 2680

Aircraft Maintenance Services  
Columbia, SC 29205  
Phone: (803) 708-7191



The following altimeter was installed:  
Make VI S/N# 459360 This altimeter was tested by  
FAR 43, Appendix E on 6-25-15 by Repair Station  
FO7R634N to 25,000 ft.



Frank R Galella WO# 2680

Aircraft Maintenance Services  
Camden, SC 29020  
Phone: (803) 713-0200 Fax: (803) 713-0017



I certify that the pitot static system on this aircraft has been tested IACW FAR part 43, and has been found to be satisfactory at this time. N# 1194W  
S/N# T19209696 Aircraft Maintenance services, Inc.  
FAA Repair Station #FO7R634N Frank R Galella  
WO# 2680



Aircraft Maintenance Services  
Camden, SC 29020  
Phone: (803) 713-0200 Fax: (803) 713-0017



The ATC transponder test and inspections required by FAR 91.413 have been performed in accordance with specs of part 43 Appendix F this date 6-25-15 on Make Garmin Model 01K007110 S/N 89103944 by Repair Station FO7R634N Frank R Galella WO# 2680



11 RE

6-1000

**AIRCRAFT MAINTENANCE SERVICES, INC.**  
 2203 Airline Drive • Camden, SC 29020  
 FAA APPROVED REPAIR STATION NO. F07R634N  
 CALIBRATED TO 25,000 FEET

ALTITUDE		SCALE ERROR	FRICITION ERROR	CASE LEAK: 0	HYSTERESIS:
1000	0	0			
500	0	0			
1000	0	0			
1500	0	0			
2000	+10	0		10,000	10,010
3000	+10	0		12,500	12,510
4000	+10	0			
5000	+10	0			
6000	+10	0			
8000	+10	0			
10000	+10	0			
12000	+10	0		28,10	28,10
14000	+10	0		28,50	28,50
15000	+10	0		29,00	29,00
16000	+10	0		29,50	29,50
18000	+10	0		29,92	29,92
20000	+10	0		30,50	30,50
22000	+20	0		30,90	30,90
25000	+20	0		30,99	30,99
30000				ALTIMETER SERIAL NUMBER: 206-00487	
35000				MAKE: N/A MODEL: N/A	
40000				PART NUMBER: 0110088210	
45000				MECHANIC: RS	
50000				INSPECTOR: [Signature]	
A/C REGISTRATION NUMBER N184N		DATED TESTED: 6-25-15			
N/A		WO NUMBER: 2680			



FAA Approved repair station. QCCR389K  
 Allimeter Scale Error  
 Correction Card

CAROLINA AVIONICS GROUP, LLC

N187N

FAA

N187

DOC# E1

TI	PT	-1	E	1	2	3	4	6	8	10	12	14	16	18	20	22	24	26
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TEST	PT(FT)	-1,000	0	500	1,000	1,500	2,000	3,000	4,000	6,000	8,000	10,000	12,000	14,000	16,000	18,000	20,000	22,000	25,000
------	--------	--------	---	-----	-------	-------	-------	-------	-------	-------	-------	--------	--------	--------	--------	--------	--------	--------	--------

Indicator	Reading	at +25c	-1070	-20	480	980	1480	1980	2980	4000	6000	8000	10020	12040	14040	16040	18040	20000	22000	25000
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TEST	Reading	at +25c	30,000	35,000	40,000	45,000	50,000	55,000	60,000	70,000	80,000
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Indicator	Reading	at +25c																		
-----------	---------	---------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Altimeter	Position	Pilot	Copilot

ALT. S/N 429380  
 DATE 9-1-17

DOC# EOC123

DOC# ECC123

ALT. S/N 20600487 DATE 9-1-72

<input type="checkbox"/>	Copilot
<input checked="" type="checkbox"/>	Pilot
	Position
	Allimeter

Indicator Reading at +25c

TEST
30,000
35,000
40,000
45,000
50,000
55,000
60,000
65,000
70,000
80,000

Indicator Reading at +25c
-99c
0
500
1,000
1,500
2,000
3,000
4,000
6,000
8,000
10,000
12,000
14,000
16,000
18,000
20,000
22,000
24,000

TEST PT(Ft)
-1,000
0
500
1,000
1,500
2,000
3,000
4,000
6,000
8,000
10,000
12,000
14,000
16,000
18,000
20,000
22,000
25,000

Allimeter Scale Error Correction Card

FA N