

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.

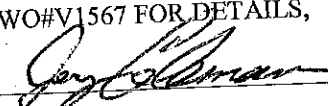
NOTE: Record required tests in the back of this record
 Record Service Letters and Airworthiness Directives in the back of this record as well as the
 Airframe Maintenance Record.

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MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
19			<p>9-21-04 GARMIN N219MC GIA 63 TACH: 53.3 INSPECTION/MODIFICATION</p> <p>COMPLIED WITH SERVICE BULLETIN SB04-23-01 OPS CHECK GOOD ALL WORK DONE IAW G1000 LINE MAINTENANCE MANUAL LEFT PN: 011-00781-00 SN: 46901879 RIGHT PN: 011-00781-00 SN: 46901895 MATTHEW MCCAULEY <i>[Signature]</i> AP#2819491</p>	

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
19			<p>09-15-05 AIRCRAFT LOGBOOK ENTRY DAYTONA AIRCRAFT SERVICES CRS# DYTR262K N219MC REMOVED KS-271C S/N8697, ROLL SERVO INSTALLED KS-271C S/N10829 ROLL SERVO WO#V1567 FOR DETAILS,</p> 	

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		Make:	Cessna	Reg. No.:	N219MC	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER	
	HOURS	10ths						
19			Model:	182T	Date:	2/09/08		
			Serial No.:	18281323	W/O No.:	70441		
			Hobbs:	278.2	Ldgs:			
			 Log Book Entry				Page: 1	Of 1
			Description of Work Accomplished					
			1. Performed Honeywell Installation Bulletin No. 523 by installing the new certification file to alleviate wing walk. Autopilot system ground checked good.					
			Approval for Return to Service					
			The article(s) identified above was repaired and inspected in accordance with current FAA regulations and is approved for return to service. Pertinent details of the repair are on file at this agency under this work order.					
			Authorized Signature,			Steve Ouellette, Avionics Chief Inspector		
			FAA Certificated Repair Station SD4R514M 1635 NW 51st Place Fort Lauderdale, Florida 33309 Phone 954 491 3170 Fax 954 491 6958					

Make: Cessna
Model: 182T
Serial No.: 18281323
Hobbs: 381.8 Ldgs:



Reg. No.: N219MC
Date: 7/10/06
W/O No.: 70971
Page: 1 Of 1

Log Book Entry

Description of Work Accomplished

1. Performed Cessna SB 06-22-01 by removing roll servo KS-271C P/N 065-00179-0100 and installing exchange S/N 9145 and removing pitch servo KS-270C P/N 065-00178-2200 and installing exchange S/N 7906. Autopilot system ground checked good.

Approval for Return to Service

The article(s) identified above was repaired and inspected in accordance with current FAA regulations and is approved for return to service. Pertinent details of the repair are on file at this agency under this work order.

Authorized Signature

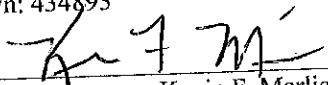
Steve Ouellette, Avionics Chief Inspector

FAA Certificated Repair Station SD4R514M

1635 NW 51st Place Fort Lauderdale, Florida 33309

Phone 954 491 3170 Fax 954 491 6958

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
			SOUTHEAST AERO SERVICES, INC. St. Augustine, Florida 32095 FAA Cert. Repair Station UV4R584M	
			Aircraft: N219MC Date: 10/3/2006 Work Order #: 12367 Removed GDC-74A Airdata Computer s/n: 47801323 and replaced with s/n: 47801367 The altimeter(s) and static pressure system The ATC transponder tests and inspections required by FAR 91.413 have been performed and found to comply with FAR part 43 appendix E. The altimeter(s) and altitude encoder have been tested to 20,000'. have been performed and found to comply with FAR part 43 appendix F.	
			#1 Altimeter p/n: GDC-74A s/n: 47801367 Transponder model: GTX-33 Encoder p/n: GDC-74A s/n: 47801367 s/n: 84700194 #2 Altimeter p/n: 5934PAD-3D s/n: 434893	
			 Inspector - Kevin F. Merlie	

MAINTENANCE RECORD

Make: Cessna
 Model: 182
 S/N: 18281323
 Reg: N219MC
 Work Order:
 A8206001



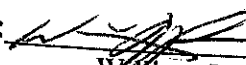
AVIONICS
 FAA CRS #UYNR952Y
UNIVERSITY AIR CENTER
 4701 NE 40TH TERRACE - GAINESVILLE, FL 32609
 PHONE (352) 373-2426 / 373-0740 / FAX (352) 338-0593

Date: 07-24-08
 Tach: 626.2
 Hobbs: 713.5

SIGNATURE,
 TYPE
 ER

I certify that the altimeter, static system, transponder and altitude reporter tests required by FAR's 91.411 & 91.413 have been performed and found within the limits of FAR 43 appendices E & F.

Tested to 20,000 Feet on July 24, 2008
 Transponder: Mfg: Garmin Model: GTX-33 S/N: 84700194.
 ADC:
 Mfg: Garmin Model: GDC-74 S/N: 47801367.
 Altimeter:
 Mfg: United Model: 5934P-1 S/N: 434893.



Signed: 
 William J. Pritchett - Inspector

Altimeter/Air Data System Test and Inspection



Ref: FAR Appendix E

Serial No. 8281323		A/C Registration No. 1V219MC		Date (Mo.-Day-Yr) 07-24-08		Aircraft Hours 626.2		Air Data Computer Serial No. 47801367		LH Altimeter Serial No. 434893		RH Altimeter Serial No. N/A	
Hysteresis and After Effects Test Hysteresis Tolerance +/- 75 ft													
						50% Point				40% Point			
Altitude	Pressure	Tolerance	LT Altimeter Error	RT Altimeter Error	Encoder ERROR +/- 125	Maximum Certified Altitude	Altitude	LH Error	RH Error	Altitude	LH Error	RH Error	
FT	inHg	FT											
-1000	31.018	20	20	20		20000	10000	0	40	8000	0	40	
0	29.921	20	0	0		25000	12500			10000			
500	29.385	20	-20	0		30000	15000			12000			
1000	28.856	20	-20	0		35000	17500			14000			
1500	28.335	25	-10	0		41000	20500			16400			
2000	27.821	30	-20	+10		43000	21500			17200			
3000	26.817	30	-20	+10		45000	22500			18000			
4000	25.842	35	-20	-10		51000	25500			20000			
6000	23.978	40	-15	-20		After Effects Test Reading +/- 30Ft. LH 0 RH 20							
8000	22.225	60	-20	-20		Friction Test							
10000	20.577	80	-30	-40		Altitude	TOLERANCE	LH Error	RH Error	Barometric Scale Error Test			
12000	19.029	90	-20	-20		1000	70	0	-40	Pressure	Difference	LH	RH
14000	17.577	100	-20	-20		2000	70	0	10	inHg	Altitude	Altimeter	Altimeter
16000	16.216	110	-40	0		3000	70	0	+20	28.10	-1727	N/A	-30
18000	14.942	120	-20	-20		5000	70	0	10	28.50	-1340	N/A	-10
20000	13.75	130	-20	-20		10000	80	0	-20	29.00	-863	0	-20
22000	12.636	140				15000	90	0	-40	29.50	-392	0	0
26000	11.104	155				20000	100	0	-40	29.92	0	0	0
30000	8.885	180				25000	120			30.50	531	0	20
35000	7.041	205				30000	140			30.90	893	0	5
40000	5.538	230				35000	160			30.99	974	0	20
45000	4.335	255				40000	180			I certify that this: <input checked="" type="checkbox"/> LH Altimeter <input checked="" type="checkbox"/> RH Altimeter			
50000	3.425	280				50000	250			<input checked="" type="checkbox"/> Air Data Computer <input checked="" type="checkbox"/> Static System			
51000	3.264	285				meets the requirements of FAR Part 91.411 and FAR Part 43 Appendix E.							
												Date: 07-24-08	
												Tested By: <i>[Signature]</i>	
												Inspector: <i>[Signature]</i>	

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
19			<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="border: 1px solid black; padding: 5px; width: 20%;"> Make: Cessna Model: 182T S/N: 18281323 Reg: N219MC Work Order: A8253001 </div> <div style="text-align: center; width: 30%;">  <p>AVIONICS FAA CRS #UYNR952Y UNIVERSITY AIR CENTER 4701 NE 40TH TERRACE - GAINESVILLE, FL 32609 PHONE (352) 373-2426 / 373-0740 / FAX (352) 338-0593</p> </div> <div style="border: 1px solid black; padding: 5px; width: 20%;"> Date: Sept 9, 2008 Tach: 635.4 Hobbs: 724.1 </div> </div> <p>Removed GDU-1040 sn: 86500349 and GDU-1040 sn: 86500461 Installed GDU-1040 sn: 86502755 and GDU-1040 sn: 86503197</p> <p>I have reviewed the file on this aircraft the accompanying discrepancy forms. The aircraft or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this Certified Repair Station CRS UYNR952Y.</p> <p>Signed: </p>	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
19			<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="border: 1px solid black; padding: 5px; width: 20%;"> Make: Cessna Model: 182T S/N: 18281323 Reg: N219MC Work Order: A9203002 </div> <div style="text-align: center; width: 30%;">  <p>AVIONICS FAA CRS #UYNR952Y UNIVERSITY AIR CENTER 4701 NE 40TH TERRACE - GAINESVILLE, FL 32609 PHONE (352) 373-2426 / 373-0740 / FAX (352) 338-0593</p> </div> <div style="border: 1px solid black; padding: 5px; width: 20%;"> Date: July 22, 2009 Tach: 734.1 Hobbs: 835.8 </div> </div> <p>Installed G1000 software version 563.14 IAW Cessna SB09-34-06.</p> <p>I have reviewed the file on this aircraft the accompanying discrepancy forms. The aircraft or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this Certified Repair Station CRS UYNR952Y.</p> <p>Signed: </p>	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>

Altimeter/Air Data System Test and Inspection

Ref: FAR Appendix E

A/C Serial No. 31323	A/C Registration No. 219ML	Date (Mo.-Day-Yr) 07/21/10	Aircraft Hours 4055 1042.1 <i>Tach 9175</i>	Air Data Computer Serial No.	LH Altimeter Serial No.	RH Altimeter Serial No.
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						Hysteresis and After Effects Test Hysteresis Tolerance +- 75 ft						
Altitude FT	Pressure inHg	Tolerance FT	LT Altimeter Error	RT Altimeter Error	Encoder ERROR +/- 125	Maximum Certified Altitude	Altitude	50% Point LH Error	RH Error	Altitude	40% Point LH Error	RH Error
-1000	31.018	20	-1020	-1005		20000	10000	0	+20	8000	0	+20
0	29.921	20	-15	-5	0	25000	12500	X	X	10000	X	X
500	29.365	20	480	520		30000	15000			12000		
1000	28.856	20	985	1000	0	35000	17500			14000		
1500	28.335	25	1480	1500	0	41000	20500			16400		
2000	27.821	30	1980	2000	0	43000	21500			17200		
3000	26.817	30	2980	2995	0	45000	22500			18000		
4000	25.842	35	3970	3990	0	51000	25500			20000		
6000	23.978	40	5980	5990	0	After Effects Test Reading +- 30Ft. LH <u>0</u> RH <u>+10</u>						
8000	22.225	60	7975	7980								
10000	20.577	80	9970	9980	0							
12000	19.029	90	11955	11960								
14000	17.577	100	13955	13970	0							
16000	16.216	110	15960	16000								
18000	14.942	120	17970	18040	0							
20000	13.75	130	19940	20070								
22000	12.636	140										
25000	11.104	155										
30000	8.885	180										
35000	7.041	205										
40000	5.538	230										
45000	4.335	255										
50000	3.425	280										
51000	3.264	285										

Friction Test				
Altitude	TOLERANCE	LH Error	RH Error	
1000	70		5	
2000	70		10	
3000	70		10	
5000	70		25	
10000	80		30	
15000	90		35	
20000	100		30	
25000	120			
30000	140			
35000	160			
40000	180			
50000	250			

Barometric Scale Error Test			
Pressure inHg	Difference Altitude	LH Altimeter	RH Altimeter
28.10	-1727	-1740	-1700
28.50	-1340	-1350	-1320
29.00	-863	-870	-840
29.50	-392	-405	-370
29.92	0	-15	+5
30.50	531	520	550
30.90	893	880	900
30.99	974	965	980

I certify that this: L/H Altimeter R/H Altimeter
Air Data Computer Static System
meets the requirements of FAR Part 91.411 and FAR Part 43 Appendix E.
Date: 07/21/10
Tested By: B. G. + J. Roberts
Inspector: [Signature]

MAINTENANCE RECORD

TOTAL TIME
IN SERVICE

MAINTENANCE RECORD

AUTHORIZED SIGNATURE,
CERTIFICATE TYPE
& NUMBER

JRE,

TIME

Make: Cessna
Model: 182
S/N: 18281323
Reg: N219MC
Work Order:
A0201001



AVIONICS
FAA CRS #UYNR952Y
UNIVERSITY AIR CENTER
4701 NE 40TH TERRACE - GAINESVILLE, FL 32609
PHONE (352) 373-2426 / 373-0740 / FAX (352) 338-0593

Date: 07-22-10
Tach: 917.5
Hobbs: 1042.1
TT: 917.5

I certify that the altimeter, static system, transponder and altitude reporter tests required by FAR's 91.411 & 91.413 have been performed and found within the limits of FAR 43 appendices E & F.

Tested to 20,000 Feet on July 22, 2010

Transponder: Mfg: Garmin Model: GTX-33 S/N: 84700194.

ADC:

Mfg: Garmin Model: GDC-74 S/N: 47801367.

Altimeter:

Mfg: United Model: 5934P-1 S/N: 434893.

Signed:

[Signature]
William J. Pritchett - Inspector

MAINTENANCE RECORD

DATE	TOT IN S
19	HOUF

Make: Cessna
Model: 182
S/N: 18281323
Reg: N219MC
Work Order:
A2213001



AVIONICS
FAA CRS #UYNR952Y
UNIVERSITY AIR CENTER
4701 NE 40TH TERRACE - GAINESVILLE, FL 32609
PHONE (352) 373-2426 / 373-0740 / FAX (352) 338-0593

Date: August 2, 2012
Tach: 1211.0
Hobbs: 1371.2
TT: 1211.0

ED SIGNATURE,
ICATE TYPE
UMBER



I certify that the altimeter, static system, transponder and altitude reporter tests required by FAR's 91.411 & 91.413 have been performed and found within the limits of FAR 43 appendices E & F.

Tested to 20,000 Feet on August 2, 2012


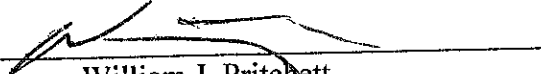
Transponder: Mfg: Garmin Model: GTX-33 S/N: 84700194.

ADC:

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE	DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
19	HO	<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="border: 1px solid black; padding: 5px; width: 20%;"> Make: Cessna Model: 182T S/N: 18281323 Reg: N219MC Work Order: A2306002 </div> <div style="text-align: center; width: 30%;">  <p>AVIONICS FAA CRS #UYNR952Y UNIVERSITY AIR CENTER 4701 NE 40TH TERRACE - GAINESVILLE, FL 32609 PHONE (352) 373-2426 / 373-0740 / FAX (352) 338-0583</p> </div> <div style="border: 1px solid black; padding: 5px; width: 20%;"> Date: Nov 2, 2012 Tach: 1234.1 Hobbs: 1396.8 </div> </div> <p>Removed #1 GRS77 AHRS, sn 47402196. Installed GRS77 AHRS, sn 42007907.</p> <p>I have reviewed the file on this aircraft the accompanying discrepancy forms. The aircraft or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this Certified Repair Station CRS UYNR952Y.</p> <p>Signed: </p>	



DATE	TOTAL TIME IN SERVICE	DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
19		<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="border: 1px solid black; padding: 5px; width: 20%;"> Make: Cessna Model: 182T S/N: 18281323 Reg: N219MC Work Order: A4049001 </div> <div style="text-align: center; width: 30%;">  <p>AVIONICS FAA CRS #UYNR952Y UNIVERSITY AIR CENTER 4701 NE 40TH TERRACE - GAINESVILLE, FL 32609 PHONE (352) 373-2426 / 373-0740 / FAX (352) 338-0583</p> </div> <div style="border: 1px solid black; padding: 5px; width: 20%;"> Date: 02-18-14 Tach: 1388.5 Hobbs: 1568.0 TT: 1388.5 </div> </div> <p>Removed #2 GIA63, sn 46902279. Installed Newly Overhauled exchanged GIA63, sn 46905836.</p> <p>I have reviewed the file on this aircraft the accompanying discrepancy forms. The aircraft or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this Certified Repair Station CRS UYNR952Y.</p> <p>Signed:  William J. Pritchett</p>	