



# AVIONICS MAINTENANCE RECORDS

(including transponder biennial checks)

Lug No. \_\_\_\_\_

Aircraft Registration No. N 1486M  
Aircraft Manufacturer CESSNA  
Model 182 P  
Serial No. 18264349

## EQUIPMENT LISTING

List all installed avionics, autopilot and flight director equipment.

	Mfg.	Model	Serial No.
1.	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____
4.	_____	_____	_____
5.	_____	_____	_____
6.	_____	_____	_____
7.	_____	_____	_____
8.	_____	_____	_____
9.	_____	_____	_____
10.	_____	_____	_____
11.	_____	_____	_____
12.	_____	_____	_____
13.	_____	_____	_____
14.	_____	_____	_____
15.	_____	_____	_____
16.	_____	_____	_____
17.	_____	_____	_____
18.	_____	_____	_____
19.	_____	_____	_____
20.	_____	_____	_____



### AEROTECH PUBLICATIONS INC.


P.O. Box 1359 / Southold, NY 11971-0965  
(631) 765-9375  
1 800 225 8111

DATE	AIRFRAME TIME IN SERVICE	AVIONICS TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
4/2/10			ELT BATTERY DUE FEB 2011
			PERFORMED STATIC PRESSURE SYSTEM, ALTIMETER INSTRUMENT, ATC TRANSPONDER AND AUTOMATIC PRESSURE ALTITUDE REPORTING SYSTEMS TEST AND INSPECTION U/A/W FAR 43 APPENDIX E AND F. ALL TEST MEET REQUIREMENTS OF FAR 91.411 AND FAR 91.413. ON FILE UNDER W. O. #: <u>3296</u> A/C Registration: <u>N1486M</u> DATE: <u>4/2/10</u> #1 TRANSPONDER MAKE: <u>UACCO</u> MODEL: <u>AT150</u> S/N: <u>29155</u> POWER: <u>200</u> WATTS #2 TRANSPONDER MAKE: <u>N/A</u> MODEL: <u>N/A</u> S/N: <u>N/A</u> POWER: <u>N/A</u> WATTS #1 ALTIMETER S/N: <u>436695</u> #1 ALTIMETER P/N: <u>5934P-3A83</u> #2 ALTIMETER S/N: <u>N/A</u> #2 ALTIMETER P/N: <u>N/A</u>

ALTITUDE FT	SCALE ERROR	FRICTION ERROR	CASE LEAK: <u>OK</u>
-1000	+10		HYSTERESIS
0	0		
500	0		
1000	0	10	
1500	+10		
2000	+15	10	50% OK OK
3000	+10	10	40% OK OK
4000	+20		
5000	+20	10	AFTER EFFECT
6000	+20		BARO. SCALE ERROR
8000	+40		28.10 OK
10000	+10	20	28.50 }
12000	0		29.00 }
14000	+20		29.50 }
15000	+40	20	29.92 0
16000	+60		30.50 }
18000	+60		30.90 }
20000	+80	20	30.99 OK
22000			ALTIMETER S/N: <u>436695</u>
25000			ALTIMETER P/N: <u>5934P-3A83</u>
30000			DATE TESTED: <u>4/10/10</u>
35000			ON FILE UNDER WORK ORDER: <u>3296</u>
40000			AIRCRAFT REGISTRATION: <u>N1486M</u>
45000			TECHNICIAN: <u>DIXON G.</u>
50000			INSPECTOR: <u>[Signature]</u>

TESTED TO 20,000 FEET AS PER PARA. B PER S/N 436695 AND #2 ENCODER S/N N/A CHECKED AS PER PARA. C  
 DATE: 4/2/10  
 Aviatronics, LLC  
 FAA CSR# ZVNR690L • MIAMI, FLORIDA PH(305)303-8203  
 Aviatronics Form # 1001

Tested in compliance with FAA Regulations, FAR Part 43, Appendix E  
 Tested to 20,000 ft.  
 AVIATRONICS, LLC.  
 FAA CERTIFIED REPAIR STATION No. ZVNR690L  
 Tamiami Airport, Hangar 207A, Miami, Florida 33186  
 PH: (305) 303-8203  
 Aviatronics Form # 1001

2/25/11			Replaced ELT BAT P/N 11-17950 & BP-1030 with same. Functionally tested. KCal 3474129 A/P
			THIS ELT EQUIPPED WITH ALKALINE BATTERY PACK P/N BP-1030 WT. 8lbs. REPLACE BY <b>SEP 13</b>  MERL, INC. (203) 237-8811 P.O. BOX 188 1777 N. COLONY RD. MERIDEN, CT 06450 USA

DATE	AIRFRAME TIME IN SERVICE	AVIONICS TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED - SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
5/1/11			Functional test during Annual inspection (ELT) KLB 3474127
6/1/12			Functional test during Annual inspection (ELT) - Search quoted on G430 - KLB 3474127 A/P

I CERTIFY THAT THE ALTIMETER, ENCODING SYSTEM AND STATIC SYSTEM TEST REQUIRED BY FAR 91.411 HAVE BEEN PERFORMED: THE ALTIMETER: PILOTS S/N 436695  
 COPILOTS S/N N/A ADC S/N N/A

WAS/WERE TESTED TO X  
 I CERTIFY THAT THE TRANSF 91.413 HAS BEEN PERFORMED  
 XPDR # 1 M/N AT 150  
 XPDR # 2 M/N N/A

SIGNATURE Rw  
 TOMLINSON AVI  
 521 DANLEY DR  
 FAA CR:

ALTIMETER SCALE CORRECTIONS

Altimeter Model 5934P-3 SN 436695

Altimeter Reads	Observed Reading	Altimeter Reads	Observed Reading
-1000	+15	12000	+55
0	+15	14000	+60
500	+20	16000	+85
1000	+20	18000	+100
1500	+25	20000	+120
2000	+30	22000	
3000	+30	25000	
4000	+30	30000	
6000	+30	35000	
8000	+30	40000	

521 Danley Dr. Fort Myers, FL 33907  
 Repair Station No. V6TR097X

7/2/13			Hobbs 10434 Functional test during Annual inspection (ELT) KLB 3474127 A/P
6/18/14			HOBBS 1222.9 Replaced ELT BAT P/N 11-17950 BP 1030 with same. Functional test. KLB 3474127 A/P

THIS ELT EQUIPPED WITH ALKALINE BATTERY PACK P/N BP-1030 WT. 8lbs.  
 REPLACE BY **SEP 16**  
 MERL, INC. (203) 237-8811  
 P.O. BOX 188  
 1777 N. COLONY RD.  
 MERIDEN, CT 06450 USA



DATE	AIRFRAME TIME IN SERVICE	AVIONICS TIME IN SERVICE
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DESCRIPTION OF WORK PERFORMED—  
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

ALTITUDE FT	SCALE ERROR	FRICTION ERROR	CASE LEAK	OK
1000	+5			
0	+5		<b>HYSTERESIS</b>	
500	+5			
1000	0	10		
1500	0			
2000	+10	10	40%	OK OK
3000	+15	10	50%	OK OK
4000	+20			
5000	+20	10	AFTER EFFECT	OK
MM	AA		2810	OK
10000	+40	20	28.50	
12000	+20		29.00	
14000	0		29.50	
15000	0	20	29.92	0
16000	+10		30.50	0
18000	+15		30.90	
20000	+40	20	30.99	OK
23000	+7		ALTIMETER S/N: 436695	
25000			ALTIMETER P/N: 5934P-3	
30000			DATE TESTED: 9-10-2014	
35000			ON FILE UNDER WORK ORDER # 3736	
40000			AIRCRAFT REGISTRATION N 1486M	
45000			TECHNICIAN: Dixon	
50000			INSPECTOR: [Signature]	

PERFORMED STATIC PRESSURE SYSTEM, ALTIMETER INSTRUMENT, ATC TRANSPONDER AND AUTOMATIC PRESSURE ALTITUDE REPORTING SYSTEMS TEST AND INSPECTION I/A/W FAR 43 APPENDIX E AND F. ALL TEST MEET REQUIREMENTS OF FAR 91.411 AND FAR 91.413.

ON FILE UNDER W. O. #: 3736 A/C Registration: N1486M DATE: 09/10/2014

#1 TRANSPONDER MAKE: NABCO MODEL: AT150 S/N: 18516  
POWER: 150 WATTS

#2 TRANSPONDER MAKE: N/A MODEL: N/A S/N: N/A  
POWER: N/A WATTS

#1 ALTIMETER S/N: 436695 #1 ALTIMETER P/N: 5934P-3  
#2 ALTIMETER S/N: N/A #2 ALTIMETER P/N: N/A

STANDBY ALTIMETER S/N: N/A STBY. ALT. P/N: N/A

AS BEEN TESTED TO 20,000 FEET AS PER PARA. B

#1 ENCODER S/N: 858775 AND #2 ENCODER S/N: N/A CHECKED AS PER PARA. C  
DATE: 09-10-2014 AIRCRAT HOBBS 5244.1  
TACH

SIGNED: [Signature]

Aviatronics, LLC  
FAA CSR# ZVNR690L • MIAMI, FLORIDA PH:(305)303-8203

Tested in compliance with FAA Regulations, FAR Part 43, Appendix E  
Tested to 20,000 ft.  
AVIATRONICS, LLC.  
FAA CERTIFIED REPAIR STATION No. ZVNR690L  
6051 NW 153rd St., Miami Lakes, FL 33014  
PH: (305)303-8203

ALTITUDE FT	SCALE ERROR	FRICTION ERROR	CASE LEAK	OK
1000	+5			
0	+5		<b>HYSTERESIS</b>	
500	+5			
1000	+5	10		
1500	+5			
2000	+10	10	40%	OK OK
3000	+15	10	50%	OK OK
4000	+15			
5000	+15	20	AFTER EFFECT	OK
6000	+20		BARO SCALE ERROR	
8000	+20		28.10	OK
10000	+40	20	28.50	
12000	+20		29.00	
14000	+10		29.50	
15000	0	20	29.92	0
16000	0		30.50	0
18000	+10		30.90	
20000	+15	20	30.99	OK
22000	+15		ALTIMETER S/N: 436695	
25000			ALTIMETER P/N: 5934P-3	
30000			DATE TESTED: 10/25/2016	
35000			ON FILE UNDER WORK ORDER # 2923	
40000			AIRCRAFT REGISTRATION N 1486M	
45000			TECHNICIAN: Dixon	
50000			INSPECTOR: [Signature]	

Tested in compliance with FAA Regulations, FAR Part 43, Appendix E  
Tested to 20,000 ft.  
AVIATRONICS, LLC.  
FAA CERTIFIED REPAIR STATION No. ZVNR690L  
6051 NW 153rd St., Miami Lakes, FL 33014  
PH: (305)303-8203

PERFORMED STATIC PRESSURE SYSTEM, ALTIMETER INSTRUMENT, ATC TRANSPONDER AND AUTOMATIC PRESSURE ALTITUDE REPORTING SYSTEMS TEST AND INSPECTION I/A/W FAR 43 APPENDIX E AND F. ALL TEST MEET REQUIREMENTS OF FAR 91.411 AND FAR 91.413.

ON FILE UNDER W. O. #: 3923 A/C Registration: N1486M DATE: 10/25/2016

#1 TRANSPONDER MAKE: NABCO MODEL: AT150 S/N: 18516  
POWER: 150 WATTS

#2 TRANSPONDER MAKE: N/A MODEL: N/A S/N: N/A  
POWER: N/A WATTS

#1 ALTIMETER S/N: 436695 #1 ALTIMETER P/N: 5934P-3  
#2 ALTIMETER S/N: N/A #2 ALTIMETER P/N: N/A

STANDBY ALTIMETER S/N: N/A STBY. ALT. P/N: N/A

AS BEEN TESTED TO 20,000 FEET AS PER PARA. B, APPENDIX E OF PART 43.

#1 ENCODER S/N: 858775 AND #2 ENCODER S/N: N/A CHECKED AS PER PARA. C  
DATE: 10/25/2016 AIRCRAT HOBBS 1337.5  
LANDINGS: =

SIGNED: [Signature]

Aviatronics, LLC  
FAA CSR# ZVNR690L • MIAMI, FLORIDA PH:(305)303-8203

DATE	AIRFRAME TIME IN SERVICE	AVIONICS TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
10/25/16		-0-	<p>T3864 Hobbs 138.5 R&amp;R Horizon <sup>S/N T71579M</sup> P/N 500R-36                      OH by Rudy Aircraft Inst. 8130-3 w/p # 47910 on                      file - R&amp;R Airspeed P/N EA5175 S/N 7294                      OH by Rudy Aircraft Inst. 8130-3 w/p 47911 on                      file. KLUH 3474127 A/P</p>
10/27/16			<p>R&amp;R ELR Battery P/N 11-17950 BP 1030 Purchased                      test KLUH 3474127 A/P</p>

THIS ELT EQUIPPED WITH ALKALINE BATTERY PACK P/N BP-1030 WT. 8lbs.  
 REPLACE BY **JAN 19**  
 MERL, INC. (203) 237-8811  
 P.O. BOX 188  
 1777 N. COLONY RD.  
 MERIDEN, CT 06450 USA

Peninsula Avionics, Inc.  
 14229 SW 127<sup>th</sup> Street  
 Miami, FL 33186  
 FAA # QPIR337K

Date: 05/16/2017  
 Registration: N1486M Make: Cessna Model: 182P S/N: 18264349  
 W.O. 39631

ATC TRANSPONDER TESTS AND INSPECTIONS, AS REQUIRED BY FAR 91.413, IN ACCORDANCE WITH FAR 43, APPENDIX F, HAVE BEEN PERFORMED.

MODEL AT-150 S/N 18516 POWER 200 WATTS

SIGNED *James Hines*  
 PENINSULA AVIONICS INC. FAA CRS QPIR337K  
 EASA Approved 145.6099

**Bassler Aviation LLC**  
 17Jun17 N1486M Cessna 182P Tach- 389.3  
 Discrepancy- Artificial horizon will not cage.  
 Work performed- Removed artificial horizon p/n- 23-501-06-16  
 s/n- T71579M, Installed serviceable horizon p/n- RCA22-7  
 s/n- 22C0343G, ops check complete.  
*Christian P Bassler* 17Jun17  
 Christian P Bassler A&P3300757



DATE	AIRFRAME TIME IN SERVICE	AVIONICS TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
			<div data-bbox="475 331 871 497" data-label="Text"> <p>THIS ELT EQUIPPED WITH ALKALINE BATTERY PACK P/N BP-1030 WT. 8lbs. REPLACE BY <b>DEC 20</b>  MERL, INC. (203) 237-8811 P.O. BOX 188 1777 N. COLONY RD. MERIDEN, CT 06450 USA</p> </div>



[www.peninsulaavionics.com](http://www.peninsulaavionics.com)

FAA CRS QPIR337K; EASA CRS 145.6099  
14229 SW 127 Street  
Miami, FL 33186  
Phone: 305-238-6550

**Date: May 10, 2019 W/O: 41688 Cessna 182P S/N: 18264349 N1486M TACH: 539.4**

Removed: Narco AT-150 Transponder  
Installed: Garmin GTX 345 Transponder P/N 011-03302-00, S/N 3EG027813

The GTX345 Transponder was installed in the center radio stack, in the space vacated by the existing AT-150 Mode A/C Transponder. The GTX345 was interfaced with the existing Garmin GNS430 WAAS GPS and Audio for ADS-B complaint. The New equipment was installed and interfaced via a newly fabricated wiring harness. Power was supplied to the equipment via the new wiring harness, and protected by new circuit breakers rated and labeled.

- The install described above was done in reference to the following:
- 1) Garmin STC IM. 190-00734-10, Rev.10, Dated: February 28, 2018
  - 3) Garmin STC SA01714W1 with AML, Dated: Nov. 30, 2017
  - 4) AC 43.13-1B Ch. 7 through 13
  - 5) AC 43.13-2B Ch. 2, 3, and 7

**OPERATIONAL TEST:** Was performed on the newly installed equipment I/A/W installation manual. All aircraft systems were tested and it was determined that there is no Electro Magnetic Interference to or from the installed equipment. Installation complies with the equipment installation instructions and the current FAA Regulation. All functions performed satisfactorily (See 337 dated 05/10/2019)  
No change to Weight and Balance. Aircraft Returned to service.

Authorized signature: *James Plunice*

Peninsula Avionics, Inc  
14229 SW 127<sup>th</sup> St  
Miami, FL 33186  
FAA CRS # QPIR337K  
EASA # 145.6099

Date: 05/21/2019  
Registration: N1486M Make: Cessna Model: 182P S/N: 17264349 Tach: 541.8  
W.O. 41705

**REMOVED:** Defective CI-105 Transponder Antenna S/N: 68933

**INSTALLED:** New Defective CI-105 Transponder Antenna S/N: 91272

**PERFORMED:** Ground Checkout Procedures on newly installed equipment I/A/W MFG manuals. Op's checked satisfactorily. No significant change in weight & balance. Aircraft returned to service.

All work performed I/A/W current FAA Regulations. Only those items specified have been repaired and/or inspected, found to be airworthy and approved for return to service. No other representations concerning airworthiness are expressed or implied. Details on file under W.O. # 41729.

Authorized Signature: *James Plunice*

