

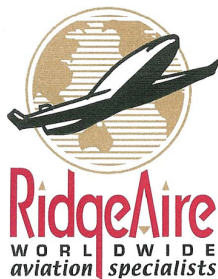
# N2162L

## 2005 Cessna 182T

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# Avionics Logbook SNEW 2005 - 2024

**MSN: 18281662**



*Prepared by the worldwide aviation specialists at RidgeAire, Inc.*

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# AVIONICS MAINTENANCE RECORD

AIRCRAFT SERIAL AND REGISTRATION 18281662 N2162L

### 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		ORLANDO AIRCRAFT SERVICES 601 HUMPHRIES AVE. ORLANDO EXECUTIVE AIRPORT ORLANDO, FL LOG ID# 4806 15-June-2006 HOBBS 212.9 N2162L S/N 18281662 CESSNA 182T	Pg 1 / 1
		WORK ORDER 105896 REMOVED PITCH SERVO KS-270C P/N 065-00178-2200 S/N 8513. INSTALLED WARRANTY EXCHANGE KS-270C P/N 065-00178-2200 S/N 8725.	
		WORK ORDER 105987 REMOVED ROLL SERVO KS-271C P/N 065-00179-0100 S/N 11009. INSTALLED WARRANTY EXCHANGE KS-271C P/N 065-00179-0100 S/N 10628.	
		 2483522 ALLEN OVERLANDER	Date <u>6/15/06</u>
		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER

**MAINTENANCE RECORD**

DATE 19 TC IN HOU

MODEL 182T  
 S/N 18281662  
 REG. NO. N2162L

ORLANDO AVIONICS CORP., DBA  
**ORLANDO Aircraft SERVICES**  
 EXECUTIVE AIRPORT • P.O. BOX 140741  
 ORLANDO, FL 32814  
 TELEPHONE: (407) 894-9963

DATE Aug 13, 2007  
 T.T. 406.9  
 HOUR/M 599.7

NATURE, TYPE

The ATC Transponder Test and inspections required by FAR 91.413 were performed this date and found to comply with FAR 43, Appendix F

Make CAROLAN Model EX-33 S/N 8910583  
 Make --- Model --- S/N ---  
 Details of this inspection are on file at this

repair station under W/O 107729 Date 08/13/07

ORLANDO AIRCRAFT SERVICES  
 FAA Approved Repair Station # TP4R552M  
 601 Humphries Avenue  
 Orlando, FL 32803 (407) 894-9963

*all done*

The altimeter system test and inspections required by FAR 91.411 were performed this date and found to comply with FAR 43, Appendix E.

- 1) The static pressure system was tested on 81307
- 2) The altimeter (s) instrument was / were tested to

20,000 ft. on 08-13-2007 (pilot/co-pilot)

3) The automatic pressure altitude reporting system was tested to 20,000 ft. on 08-13-2007

ORLANDO AIRCRAFT SERVICES  
 FAA Approved Repair Station # TP4R552M  
 601 Humphries Avenue  
 Orlando, FL 32803 (407) 894-9963

*all done*

**MAINTENANCE RECORD**

DATE 19 TOTAL TIME IN SERVICE HOU

MODEL C182T  
 S/N 18281662  
 REG. NO. N2162L

ORLANDO AVIONICS CORP., DBA  
**ORLANDO Aircraft SERVICES**  
 EXECUTIVE AIRPORT • P.O. BOX 140741  
 ORLANDO, FL 32814  
 TELEPHONE: (407) 894-9963

DATE 12/31/07  
 T.T. 558.9  
 HOUR/M 657.3

AUTHORIZED SIGNATURE, CERTIFICATE TYPE

The ATC Transponder Test and inspections required by FAR 91.413 were performed this date and found to comply with FAR 43, Appendix F.

Make CAROLAN Model EX-33 S/N 8910583

Make N/A Model --- S/N ---  
 Details of this inspection are on file at this

repair station under W/O 108280 Date 12/31/07

ORLANDO AIRCRAFT SERVICES  
 FAA Approved Repair Station # TP4R552M  
 601 Humphries Avenue  
 Orlando, FL 32803 (407) 894-9963


*all done*







**MAINTENANCE RECORD**

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
19			<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">                     ORLANDO AIRCRAFT SERVICES 601 HUMPHRIES AVE. ORLANDO EXECUTIVE AIRPORT ORLANDO, FL                      LOG ID# 8528 14-March-2014 WO# 114759/1 HOBBS 1403.4                      N2162L S/N 18281662 CESSNA 182T <span style="float: right;">Pg 1 / 1</span> </div> COMPLIED WITH CESSNA SERVICE BULLETIN SB 07-77-01 THROUGH CESSNA MODIFICATION KIT MK206-77-01. REMOVED TACH SENDING UNIT P/N 1A3C-1 S/N A9554. INSTALLED NEW TACH SENDING UNIT P/N 1A3C-2 S/N A8297. GROUND RUN-UP CHECK GOOD.  XP 3479939 BRADLEY E. DANIELS Date 14 Mar 14	

DATE	TOTAL TIME IN SERVICE	
	HOURS	10ths
19		

**CENTRAL FLORIDA**  
AVIONICS & INSTRUMENTS

N 2162L                      WO: 14189-1                      07/21/14

Removed King Flight Computer Model KC-140 SN: 9242 and King Configuration Module Model KCM100 SN: 14371 for bench check. Flight computer checked good. Configuration Module found to be corrupted. Installed new King Configuration Module Model KCM100 SN: 19984. Removed corrupted files from Flight Computer and installed configuration/gain files for Cessna 182T per King maintenance manual # 006-15574-0002 revision 2 dated Dec 2002. Performed successful post installation checks. System is approved for return to service in accordance with current regulations of the Federal Aviation Administration. See shop work order # 14189-1 for pertinent details.

 7-21-14  
 AUTHORIZED SIGNATURE                      DATE

CENTRAL FLORIDA AVIONICS & INSTRUMENTS LLC.  
 8812 AIRPORT BLVD. LEESBURG, FL 34788  
 CRS#: F4LR560Y

AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER



**MAINTENANCE RECORD**

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		

**10/21/2014 N2162L Cessna 182T S/N 18281662 TACH 1257.6 W.O. 6442**

Installed a new Garmin GA55 XM antenna p/n 010-10600-01 s/n 87501691 at sta. 44 BL. 0 wt. .3lbs. System ops checked good. All work done IAW Garmin GDL 69 Series TSO IM #190-00355-07 October 2014 Rev. D.

I certify that this aircraft was repaired in accordance with current FAA regulations and is airworthy with respect to the work performed and is approved for return to service. Pertinent details are on file under the work order identified above.



*James Beck*  
 James Beck  
 Summit Aviation, Inc.  
 SMTR2081 Airframe Class 3, Radio 1, 2, 3

*9.13 DATA CHANGE INS. 9.27.14 OK  
 53 08-34-04 OK*

**MAINTENANCE RECORD**

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		

**10/13/2014 N2162L Cessna 182T S/N 18281662 TACH 1256.6 W.O. 6442**

Troubleshoot Garmin G1000 GDL 69A XM/Weather data will not update to a defective Garmin GDL 69A receiver p/n 011-00987-00 s/n 47754360. Removed defective Garmin GDL 69A receiver with Data ID #TJCED0WR and Audio ID #XGZMC0RT. Installed a new Garmin GDL 69A receiver p/n 011-00987-00 s/n 47767895 with Data ID #TJCED0WR and Audio ID #XGZMC0RT. GDL69A receiver fixed some of the problem. The GPS/Comm/XM combo P/N CI2480-400 antenna is inop for XM weather only. Deactivated GDL69A XM Weather system IAW FAR 91.213(d). Collared "FIS" circuited breaker and placarded instrument panel "XM Weather Inop". All work done IAW Garmin G1000 NAV III LMM #190-00352-00 October 2014 Rev. T.

I certify that this aircraft was repaired in accordance with current FAA regulations and is airworthy with respect to the work performed and is approved for return to service. Pertinent details are on file under the work order identified above.



*James Beck*  
 James Beck  
 Summit Aviation, Inc.  
 SMTR2081 Airframe Class 3, Radio 1, 2, 3

MAINTENANCE RECORD

**CENTRAL FLORIDA**  
AVIONICS & INSTRUMENTS

DATE	TOTAL TIME IN SERVICE	
	HOURS	10ths
19		

N 2162L

I certify that the Altimeter, Static System and Automatic Altitude Reporting has been certified to tests required under FAR 91.411 and FAR 91.413

The Altimeter #1 Make Garmin Model GDC74  
S/N 47805163 was tested to 20,000 Ft and meets  
The requirements of FAR 43, Appendix E

Altimeter #2 Make United Model 5934PD-3  
S/N 445685 was tested to 20,000 Ft and meets  
The requirements of FAR 43, Appendix E

The Transponder Make Garmin Model GTx33  
S/N 89105518 was tested and Found to meet the requirements  
of FAR 43, Appendix F.  
Recertify 24 months from date below

Details on file under W/O # 15294-1 Date 10-21-15

*James F. Willard*  
Authorized Signature for:

Central Florida Avionics and Instruments LLC.  
8812 Airport Blvd.  
Leesburg, FL 34788 FAA CRS # F4LR560Y

AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
19 <u>17</u> <u>4/10</u>	<u>1436</u>	<u>10</u>	<u>REPLACED ALT BATTERY PARTIAL 3000-11</u> <u>SN 334 164 TESTED OK</u> <u>REPLACE ON / BEFORE MARCH 2019</u>	<i>[Signature]</i> <u>ARR</u> <u>9740 235</u>

DATE	TOTAL TIME IN SERVICE
19	HOURS

A/C Reg #: N2162L  
A/C Ser #: 18281662  
A/C Make / Model: Cessna 182T  
WO #: 10285

A/C Tach / Hour Meter: 1422.60  
Date: 10/25/2016

ED SIGNATURE,  
IFICATE TYPE  
NUMBER

1. Replaced Emergency Battery P/N: AVT-200413 S/N: 0850 with Emergency Battery P/N: S4236-7 S/N: 161253. System ops checked good. All work done IAW Garmin G1000 LMM #190-00352-00.
2. Removed and Sent out Garmin GDU 1040 PFD PN 011-00972-00 SN 86502897 for service. Reinstalled repaired GDU 1040 PN 011-00972-00 SN 86502897. System ops checked good. All work done IAW Garmin NAV III G1000 LMM #190-00352-00.
3. Troubleshoot #1 GPS signal inop to a defective GPS antenna. Removed defective GPS antenna PN C12480-200 SN 5044500 and installed new Comant GPS antenna PN C12480-200 SN 515163. System ops checked good. All work done IAW Garmin NAV III G1000 LMM #190-00352-00.
4. Upgraded G1000 software level from 563.14 to 563.26 per Cessna SEB-34-03. System ops checked good IAW Garmin G1000 LMM #190-00352-00.

I certify that this aircraft was repaired in accordance with current FAA regulations and is airworthy with respect to the work performed and is approved for return to service. Pertinent details are on file under the work order identified above.



*James L. Beck*  
James L. Beck  
Summit Aviation, Inc.  
SMTR208I Airframe Class 3, Radio 1, 2, 3

A/C Reg #: N2162L  
A/C Ser #: 18281662  
A/C Make / Model: Cessna 182T  
WO #: 1327

A/C Tach / Hour Meter: 1447.8  
Date: 06/28/2017

ATURE,  
PE

Troubleshoot the Garmin GDU 1040 PFD "gray screen" to a defective Garmin GDU 1040 PN 011-00972-00 SN:86502897. Removed defective unit and installed an overhauled Garmin GDU 1040 PN:011-00972-00 SN:86502526. Installed correct GDU 1040 software 0563.26 into the PFD. System ops checked good. All work done IAW GARM LMM #190-00352-00.

Assessed the system to install WAAS per customer request. Informed the customer of the applicable Cessna Service Bulletin SB07-34-07 and pricing. Customer deferred action at this time.

G1000 system with latest available software and data 0563.26 previously by Cessna SEB-34-03 on 10/25/2016. No further updates are available.

Troubleshoot G1000 #1 GPS signal being inop to a defective Comant CI 2480-400 GPS/Com antenna. Removed defective Comant antenna PN:C12480-400 SN:5041089. Installed a new Comant antenna PN:C12480-200 SN:539152. System ops checked good. All work done IAW GARM LMM #190-00352-00.

I certify that this aircraft was repaired in accordance with current FAA regulations and is airworthy with respect to the work performed and is approved for return to service. Pertinent details are on file under the work order identified above.



*James L. Beck*  
James L. Beck  
Summit Aviation, Inc.  
SMTR208I Airframe Class 3, Radio 1, 2, 3

**MAINTENANCE RECORD**

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
19			<p>A/C Reg #: N2162L A/C Ser #: 18281662 A/C Make / Model: Cessna / 182T WO #: 11746</p> <p>A/C TT: 1467.30 A/C Tach: 1467.30 Date: 1/18/2018</p> <p>Removed defective Garmin GDU 1040 PN: 011-00972-00 SN: 86502526 and installed overhauled Garmin GDU 1040 PN 011-00972-00 SN.86503060. Reloaded overhauled Garmin GDU 1040 with correct aircraft software. System ops checked good. All work done IAW Garmin G1000 Nav III LMM #190-00352-00.</p> <p>I certify that this aircraft was repaired and/or inspected in accordance with current FAA regulations and is airworthy with respect to the work performed and is approved for return to service. Pertinent details are on file under the work order identified above.</p>	



*[Handwritten Signature]*  
 Timothy L. Monroe  
 Summit Aviation, Inc.  
 SMTR2081 Airframe Class 3, Radio 1, 2, 3

**MAINTENANCE RECORD**

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
19			<p>A/C Reg #: N2162L A/C Ser #: 18281662 A/C Make / Model: Cessna 182T WO #: 11902</p> <p>A/C Tach / Hour Meter: 1473.7 Date: 27 Feb 2018</p> <ol style="list-style-type: none"> <li>Removed seeping quick drain at firewall fuel strainer and installed new quick drain P/N S2485-2. Ref. Cessna 182 Series M.M. Ch. 28-20-00.</li> <li>Reloaded missing MFD Flash Screen Software. MFD ops check good. All work done with ref to Cessna SB SEB-34-03.</li> </ol> <p>I certify that this aircraft was repaired in accordance with current FAA regulations and is airworthy with respect to the work performed.. Pertinent details are on file under the work order identified above.</p>	



*[Handwritten Signature]*  
 Timothy Monroe  
 Summit Aviation, Inc.  
 SMTR2081 Airframe Class 3, Radio 1, 2, 3

**MAINTENANCE RECORD**

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
19			<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">                     LANCASTER AVIONICS, INC. 600-U AIRPORT ROAD LITITZ, PA 17643 CRS# LN7R261N                      LOG ID# 5260 11-April-2018 WO# 22965/1 AC TT 1760.6 HOBBS 1760.6                      N2162L S/N 18281662 CESSNA 182T                      ENGINE HRS 1488.0                 </div> <p>Pg 1 / 1</p> <p>**** ITEM # 22965-1 REPAIR #2 GIA63 ****                      DISCREPANCY: VOR/LOC INOP.                      ACTION: REMOVED FAULTY #2 GIA63, S/N 48101397 AND INSTALLED EXCHANGE GIA63, S/N 48106457. RELOADED 0563.26 SOFTWARE AND CONFIGURATIONS. ALL OPS CHECKS OK.</p> <p>**** ITEM # 22965-2 REPAIR GDU1040 MFD ****                      DISCREPANCY: BUTTONS HARD TO ACTIVATE. JOYSTICK WILL NOT RETURN TO NEUTRAL AFTER USE.                      ACTION: REMOVED FAULTY GDU1040 MFD, S/N 86502952 AND INSTALLED EXCHANGE GDU1040 MFD, S/N 86503421. RELOADED 0563.26 SOFTWARE AND CONFIGURATIONS. ALL OPS CHECKS OK.</p> <p><i>Andrew W. Knowlton</i>                      _____                      ANDREW W. KNOWLTON</p>	

**AIRFRAME ENTRY**

"N" #: N2162L      Make: CESSNA      Model: 182T      Serial #: 18281662      Tach Time: 1575.9      Date: 07/11/2019

**Description**

1. COMPLIED WITH PRELIMINARY INSPECTION IN ACCORDANCE WITH 14 CFR 145.211(c)(ii).
2. COMPLY WITH STC #SA01714WI (ADS-B INSTALL) - PERFORMED THE INSTALLATION OF THE GARMIN ADS-B SYSTEM IAW FAA APPROVED STC #SA01714WI OF WHICH USES THE GARMIN GTX345R TRANSPONDER P/N 071-00221-0020 S/N INSTALLED WITH STC IS 3EH421256. SYSTEM OPS CHECKS GOOD. REFER TO GARMIN STC INSTALLATION MANUAL P/N 190-00734-10 REV 12 DATED 03/31/2019 FOR SPECIFIC INFORMATION ON THE SYSTEM OVERVIEW AND TECHNICAL SPECIFICATIONS INCLUDING WIRE DIAGRAMS. GTX-33 TRANSPONDER P/N 011-00779-1 S/N 89105518 WAS REMOVED TO FACILITATE THE STC INSTALLATION REFER TO THE GTX 33X AND GTX 3X5 ADS-B MAINTENANCE MANUAL FOR INSTRUCTIONS FOR CONTINUED AIRWORTHINESS. THE FLIGHT MANUAL SUPPLEMENT WAS INSERTED INTO THE POH. THE WEIGHT & BALANCE AND EQUIPMENT LIST HAS BEEN UPDATED AND REVISED. THE INSTALLED ADS-B OUT SYSTEM WAS SHOWN TO MEET THE EQUIPMENT PERFORMANCE REQUIREMENTS OF 14CFR SECTION 91.227. INSTALLED WAAS ANTENNA AT F.S. 147.0 P/N 013-00235-00 S/N 158084 WITH FABRICAED DOUBLER IAW AC43.13-2B APPLICABLE SECTIONS OF CH 3.
3. STATIC SYSTEM HAS EXCESSIVE LEAK RATE - TROUBLESHOT AND FOUND LEAK TO BE CAUSED BY MISSING PAINT AROUND STATIC PORT NOT ALLOWING TEST EQUIPMENT TO FULLY SEAL. CLEANED STATIC PORT BUTTON AND REPAINTED WITH EVEN LAYER OF PAINT AROUND STATIC HOLE. AIRCRAFT GROUND CHECKED GOOD IAW APPLICABLE SECTION OF THE CESSNA 182T MM CH 20-31-02 & 34-11-00.
4. RT AUX FUEL TANK SUMP DRAIN LEAKING - REMOVED AND REPLACED RT AUX FUEL TANK SUMP DRAIN WITH NEW P/N CAV180 IAW FLINT AERO INC. INSTALLATION DRAWING FA180. NO FURTHER LEAKS NOTED AT THIS TIME.

SIGNATURE, DATE TYPE & NUMBER

DATE	TOTAL TIME IN SERVICE
19	HOURS

\*\*\*\*\*MAINTENANCE RELEASE\*\*\*\*\*

THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT 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. 95906.



SIGNED BY: *Andrew W. Knowlton* FOR  
 EAGLE AVIATION, INC., 2861 AVIATION WAY, WEST COLUMBIA, SOUTH CAROLINA 29170  
 FAA APPROVED REPAIR STATION NO. FEHR859D

MAINTENANCE RECORD

DATE

19

**Sparrow Inspections LLC**

**FAR91.413** The Transponder make GARMIN  
 Model GTX 345 and S/N 3EH 421256

I Certify the ATC Transponder has been tested and inspected  
 And found to comply with FAR 43 APP.F.

For details see W.O. 9318

Inspected by [Signature] Date 11/15/22  
 Sparrow Inspections LLC. FAA CRS XXYR919L  
 477 Norwood Rd. Mansfield, La. 71052 (318)286-1152

DI **FAR 91.411** The Altimeter make GARMIN

Model GDC 74A and S/N 47805163

I Certify the static pressure system, altimeter instrument, and  
 Automatic pressure altitude reporting system has been tested  
 And inspected and found to comply with FAR 43 APP.E.

Test to 20 K ft. For details see W.O. 9318

Inspected by [Signature] Date 11/15/22

Sparrow Inspections LLC FAA CRS XXYR919L  
 477 Norwood Rd. Mansfield, La. 71052 (318)286-1152

**FAR 91.411** The Altimeter make UNITED

Model 5934PD-3 and S/N 445685

I Certify the static pressure system, altimeter instrument, and  
 Automatic pressure altitude reporting system has been tested  
 And inspected and found to comply with FAR 43 APP.E.

Test to 20 K ft. For details see W.O. 9318

Inspected by [Signature] Date 11/15/22

Sparrow Inspections LLC FAA CRS XXYR919L  
 477 Norwood Rd. Mansfield, La. 71052 (318)286-1152

AUTHORIZED SIGNATURE,  
 CERTIFICATE TYPE  
 & NUMBER

