



AVIONICS MAINTENANCE RECORD

AIRCRAFT SERIAL AND REGISTRATION 18280236 N3314S

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		
12/7/98	148	2	Removed KLN 89B SN 6014 and installed KLN 89B SN 7345. Details on file Under WO# 5675	<i>[Signature]</i> COIR381K
12/7	148	2	Removed KC140. Ship to Allied Signal. Returned KC140 to AIC Ops Check. Details on file Under WO# 5675. SEE AIRFRAME Log For Mod Status	<i>[Signature]</i> COIR381K
4/16/00	491	4	REMOVED KC140 SN 2086. INSTALLED WARR REPLACEMENT UNIT SN 2846. DETAILS ON FILE UNDER WO 4200	Donald H. [Signature] OCEAN AIRE CRS OF IR372K
7/19/00	505.5		REMOVED KLN 89B SN 7345 AND INSTALLED KLN 89B SN 7623.	<i>[Signature]</i> 473701358

MAINTENANCE RECORD

Eagle Aviation, Inc.

FAA Certified Repair Station #FAE859D

AUTHORIZED SIGNATURE
CERTIFICATE TYPE
& NUMBER

Customer Name: Avionics Dept Customer
 Shop Work Order Reg.No. Make Model Serial Tach Time Closed
 026 13049 N3314S CESSNA 182S 18280236 459.70

OPR Description

Page 1

510 REMOVED DEFECTIVE COMPUTER, KC 104 P/N: 065-00176-5201 S/N: 2846.
 INSTALLED REPAIRED EXCHANGE UNIT KC 140 P/N: 065-00176-5201 S/N: 2912.
 GROUND CHECKED GOOD IN ACCORDANCE WITH BENDIX/KING KAP 140 MAINTENANCE
 MANUAL. REPLACED DEFECTIVE BACKING PLATE ON RACK. COMPLIED WITH STATIC
 SYSTEM TEST IN ACCORDANCE WITH FAR 91.411. LEAK CHECKED GOOD.

598

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 NUMBER.
 #13049

DATE: 4/19/00 SIGNED BY: *[Signature]*
 EAGLE AVIATION INC.
 2861 AVIATION WAY
 WEST COLUMBIA, SC 29170

FOR
 FAA APPROVED REPAIR STATION #FAE859D
 RETAIN AS PART OF YOUR PERMANENT RECORDS

DATE	TOTAL TIME IN SERVICE	
	HOURS	10ths
19		

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
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23 FEB 2015			See Airframe Logbook (Installation GTN 750)	
19 MAR 2015			See Airframe Logbook (Repair GTN 750)	

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE	DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
19		<p>Agape Avionics, LLC. 1209 Ward Ave West Chester, PA 19380 6U7R543C LOG ID# 6326 08-January-2016 WO# 17484/5 HOBBS 1161.9 N3314S S/N 18280236 CESSNA 182S</p> <p align="right">Pg 1 / 1</p> <p>**** ITEM # 17484-4 DG precesses excessively during flight **** DISCREPANCY: DG precesses excessively during flight ACTION: Removed DG and installed overhauled/exchange unit P/N: 1U262-042-2 S/N: T65570F. Gyro checks good after install. All work accomplished I.A.W AC43.13-2B 3/3/2008 Chapter 1,2 and 3.</p> <p>**** ITEM # 17484-5 Transponder CB pops when heat is on **** DISCREPANCY: Transponder CB pops when heat is on ACTION: Tested system and believe the CB is bad. The CB beside it was unused, swapped breakers to further test problem.</p> <p><i>William Dunn</i> 3785446 William Dunn Date <u>08 JAN 2016</u></p>	

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE	DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
19	HOURS	<p>FLITE ELECTRONICS, INC. 4786 AIRPORT PKWY ADDISON, TX 75001-3363 DG2R767K LOG ID# 5311 13-April-2020 WO# 19525/1 REF# 19525 Document# FL13 AC TT 1414.6 N3314S S/N 18280236 CESSNA 182S</p> <p align="right">Pg 1 / 2</p> <p>DISCREPANCY: Perform 91.411 & 91.413. Model: N/A Part#: N/A Serial#: N/A ACTION: Removed altimeter p/n 5934P-3 A.617 s/n 396346 from aircraft for certification (task 2). Gained access to blind encoder p/n SSD120-30-RS232 s/n 18893 (task 3). Reinstalled altimeter after certification. Checked encoder integration. Performed static system check. All checks normal.</p> <p>DISCREPANCY: Certify altimeter. Model: 5934 Part#: 5934P-3 A.617 Serial#: 396346 ACTION: Checked altimeter in accordance with FAR 43 Appendix E sub-paragraph (b). No problems found. Altimeter check normal.</p> <p>DISCREPANCY: Check encoder. Model: SSD120 Part#: SSD120-30-RS232 Serial#: 18893 ACTION: I certify that the static and integration inspection required by FAR 43 appendix E para. A & C have been performed in accordance with 91.411</p> <p>DISCREPANCY: Certify transponder. Model: GTX-345 Part#: 011-03302-00 Serial#: 3EG020755 ACTION: I certify that this aircraft has been inspected in accordance with FAR 91.413 and Appendix F of FAR 43 inspection and was determined to be in airworthy condition.</p> <p>The aircraft identified was repaired and/or inspected in accordance with current Federal Aviation Administration regulations and is hereby approved for return to service with respect to work</p> <p>FLITE ELECTRONICS, INC. 4786 AIRPORT PKWY ADDISON, TX 75001-3363 DG2R767K LOG ID# 5311 13-April-2020 WO# 19525/1 REF# 19525 Document# FL13 AC TT 1414.6 N3314S S/N 18280236 CESSNA 182S</p> <p align="right">Pg 2 / 2</p>	

Mark Pledger
 DG2R767K MARK PLEDGER Date 4-13-2020

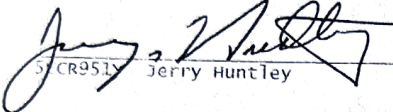
MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS			
19			Select Avionics, LLC. 1500 E. Industrial Blvd Ste 121 McKinney, TX 75069 5ECR951Y LOG ID# 1700 29-September-2020 WO# 4328 SA 20 N3314S S/N 18280236 CESSNA 182S TACH 1460.5	Pg 1 / 3
			Removed the following equipment: Garmin GI 106A VOR/ILS Indicator P/N 013-00149-01 4000C-15 Directional Gyro P/N 1U262-042-2 RCA22-7 Attitude Indicator P/N 102-0041-04 United Altimeter P/N 5934P-3 United VSI P/N 7000 Sigma-Tek Airspeed Indicator P/N EA5175-20PTL-CES Davtron Clock P/N 803 Cessna Tachometer P/N SL1010-004-1-1 Cessna F/F Man Press Indicator P/N MD-180 Cessna Fuel Quantity Indicator P/N FQ4044-12013 Cessna Oil Temp/Press Indicator P/N EG5045-06011 Cessna EGT/CHT Indicator P/N EG2850-04028 Cessna Vac/Amp Indicator P/N EG2707-06014 Vacuum Pump P/N 212CW Vacuum Pump P/N 211CC-9 Vacuum Air Filter Vacuum Regulator	
			Installed the following equipment: Garmin GDU 460 EFIS P/N 011-02920-05 Garmin GSU 25 ADAHRS P/N 011-02929-51 Garmin GAD 29B Adapter P/N 011-03236-11 Garmin GTP 59 Temp Probe P/N 011-00978-00	

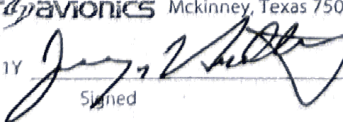
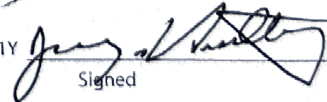
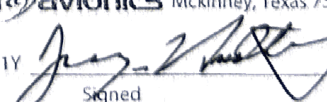
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	HOURS	10ths		
19			Select Avionics, LLC. 1500 E. Industrial Blvd Ste 121 McKinney, TX 75069 5ECR951Y LOG ID# 1700 29-September-2020 WO# 4328 SA 20 N3314S S/N 18280236 CESSNA 182S TACH 1460.5	Pg 2 / 3
			Garmin GMU 11 Magnetometer P/N 011-04349-01 Garmin CS Attitude Indicator P/N 011-03809-00 Garmin GA 35 GPS Antenna P/N 011-00235-00 Garmin GDL 69 XM Weather Receiver P/N 011-00986-00 Garmin GA 55 XM Antenna P/N 011-01033-00 Garmin GEA 24 Engine Interface Unit P/N 011-02848-01 Garmin GMN 01179 Man Press Sensor P/N 011-04202-00 Garmin GMN 01179 Oil Pressure Sensor P/N 011-04202-00 Garmin Engine Sensor Kit P/N K00-01011-00	
			Garmin G3X Touch Installation was done as per STC SA01899WI. G5 Installation was done as per STC SA01818WI. Garmin GDL 69 installation was done as per STC SA01487SE-D. All equipment installed as per Manufacturer's Instructions and in accordance with AC 43.13-1B/2B. The following manuals were used for reference: Garmin G3X Touch Installation Manual P/N 190-02472-01 Rev 7 January 2020, Garmin G5 Installation Manual P/N 190-01112-00 Rev 23 May 2020, and Garmin GDL 69 Installation Manual P/N 190 00355-02 Rev N January 2020.	
			Recomputed weight and Balance and entered into aircraft records.	
			All wiring meets requirements of AC 43.13-1B chapter 11. Wiring was routed and secured as per AC 43.13-1B chapter 11. Circuit protection was used as per AC 43.13-1B chapter 11. Electrical load does not exceed limits as per AC 43.13-1B chapter 11. Wiring also meets requirements of AC 43.13-2B chapter 2. All installed equipment was checked for EMI interference as per AC 43.13-1B chapter 11. All effected systems were tested accordingly to show compliance with 14 CFR 23.1301.	

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, TYPE & NUMBER
	HOURS	10ths		
19				
<div style="border: 1px solid black; padding: 5px;"> Select Avionics, LLC. 1500 E. Industrial Blvd Ste 121 McKinney, TX 75069 SECR951Y LOG ID# 1700 29-September-2020 WO# 4328 SA 20 N5314S S/N 18280236 CESSNA 182S TACH 1460.5 </div>				Pg 3 / 3
FAA Approved Flight Manual Supplement for the G3X P/N 190-01754-01 Rev 4 December 2019 has been provided to the aircraft owner/operator and must be on board the aircraft for this installation. FAA Approved Flight Manual Supplement for the G5 P/N 190-01112-13 Rev 6 July 2019 has been provided to the aircraft owner/operator and must be on board the aircraft for this installation. The aircraft/appliance identified above was repaired in accordance with current Federal Aviation Agency Regulations and is hereby approved for return to service with respect to work performed.				
			 Jerry Huntley SA CR951Y	9/29/20 Date

MAINTENANCE RECORD

DATE	DESCRIPTION OF THE WORK PERFORMED	SIGNATURE, TYPE & NUMBER
19	<p><u>Select Avionics, LLC</u> certified the altimeter system and altitude reporting equipment in accordance with the inspection required by FAR 91.411 & FAR 43 Appendix E Sub-paragraph (b).</p> <p>Altimeter/Encoder Model <u>G5u 250</u> s/n <u>503001573</u> Tested to <u>20,000</u> ft. Date <u>9/29/20</u></p> <p>Altimeter/Encoder Model <u>G5</u> s/n <u>450043020</u> Tested to <u>20,000</u> ft. Date <u>9/29/20</u></p> <p>Altimeter/Encoder Model <u>G5u 460</u> s/n <u>35007317</u> Tested to <u>20,000</u> ft. Date <u>9/29/20</u></p> <p>Altimeter/Encoder Model <u>/</u> s/n <u>/</u> Tested to <u>/</u> ft. Date <u>/</u></p> <p>N # <u>3314S</u> s/n <u>18280236</u> Time <u>1460.5</u></p> <p><u>SELECT AVIONICS</u> McKinney, Texas 75069 FAA # SECR951Y  9/29/20 Signed Date</p> <p>SA 09</p>	<p>I certify that this aircraft has been inspected in accordance with FAR 91.413 and Appendix F of FAR 43 inspection and was determined to be in airworthy condition.</p> <p>Transponder #1 Model <u>GTX 345</u> s/n <u>386020755</u> Transponder #2 Model <u>—</u> s/n <u>—</u></p> <p>N # <u>3314S</u> s/n <u>18280236</u> Time <u>1460.5</u></p> <p><u>SELECT AVIONICS</u> McKinney, Texas 75069 FAA # SECR951Y  9/29/20 SA 09 Signed Date</p> <p>I certify that the static and integration inspection required by FAR 43 Appendix E Sub-Paragraph (a) & (c) have been performed in accordance with FAR 91.411</p> <p>N # <u>3314S</u> s/n <u>18280236</u> Time <u>1460.5</u></p> <p><u>SELECT AVIONICS</u> McKinney, Texas 75069 FAA # SECR951Y  9/29/20 SA 10 Signed Date</p>

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19			<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> Robert Woodruff 3203 Kingsbury Drive McKinney, TX 75069 LOG ID# 1701 29-September-2020 WO# 4328 SA 20 N3314S S/N 18280236 CESSNA 182S TACH 1460.5 </div> <p>Pg 1 / 2</p> <p>Removed the following equipment: Cessna Engine Instrumentation Vacuum System Standby Vacuum System Vacuum Regulator Suction Gage Air Filter</p> <p>Installed the following equipment: Garmin Engine Instrumentation System</p> <p>Garmin EIS Installation was done as per STC SA01899WI. All equipment installed as per Manufacturer's Instructions and in accordance with AC 43.13-1B/2B. The following manuals were used for reference: Garmin G3X Touch / EIS Installation Manual P/N 190-02472-01 Rev 7 January 2020.</p> <p>All wiring meets requirements of AC 43.13-1B chapter 11. wiring was routed and secured as per AC 43.13-1B chapter 11. Circuit protection was used as per AC 43.13-1B chapter 11. Electrical load does not exceed limits as per AC 43.13-1B chapter 11. Wiring also meets requirements of AC 43.13 -2B chapter 2. All installed equipment was checked for EMI interference as per AC 43.13-1B chapter 11. All effected systems were tested accordingly to show compliance with 14 CFR 23.1301.</p> <p>FAA Approved Flight Manual Supplement for the EIS P/N 190-01754-01 Rev 4 December 2019 has been provided to the aircraft owner/operator and must be on board the aircraft for this installation.</p>	

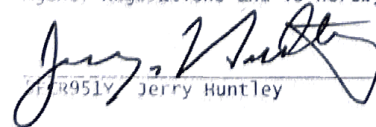
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19			<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> Robert Woodruff 3203 Kingsbury Drive McKinney, TX 75069 LOG ID# 1701 29-September-2020 WO# 4328 SA 20 N3314S S/N 18280236 CESSNA 182S TACH 1460.5 </div> <p>Pg 2 / 2</p> <p>The aircraft/appliance identified above was repaired in accordance with current Federal Aviation Agency Regulations and is hereby approved for return to service with respect to work performed.</p> <p style="font-family: cursive; font-size: 1.2em;">Robert Woodruff</p> <p>455239063 Robert Woodruff 9/29/20 Date</p>	

MAINTENANCE RECORD

DATE		AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
19	<div style="border: 1px solid black; padding: 5px;"> Select Avionics, LLC. 1500 E. Industrial Blvd Ste 121 McKinney, TX 75069 5ECR951Y LOG ID# 1762 17-March-2021 WO# 4443 SA 20 N3314S S/N 18280236 CESSNA 182S TACH 1521.0 </div> <p align="right">Pg 1 / 2</p>	
	Removed the following equipment: King KMA 26 Audio Panel P/N 066-01155-0101 King KX 155A Nav/Com P/N 069-01032-0201 King KC 140 Autopilot Computer P/N 065-00176-5403 King KI 208 VOR/LOC Indicator P/N 066-3056-02 King KS 272C Trim Servo P/N 065-00180-2700 King KS 270C Pitch Servo P/N 065-00178-2200 King KS 271C Roll Servo P/N 065-00179-0100 Mid Continent Turn Coordinator P/N 1394T100-10RZ	
	Installed the following equipment: Garmin GMA 35C Audio Panel P/N 011-02299-40 Garmin GNC 255A Nav/Com P/N 011-02806-00 Garmin GMC 507 Autopilot Control P/N 011-04548-01 Garmin GSA 28 Pitch Servo P/N 011-02927-11 Garmin GSA 28 Roll Servo P/N 011-02927-11 Garmin GSA 28 Trim Servo P/N 011-02927-11 Garmin G5 Standby Instrument P/N 011-03809-00 CG Guardian Co2 Monitor P/N 452-201-011	
	Garmin GFC 500 Installation was done as per STC SA01866WI. Garmin G5 Installation was done as per STC SA01818WI. All equipment installed as per Manufacturer's Instructions and in accordance with AC 43.13-1B/2B. The following manuals were used for reference: Garmin GMA 35C Installation Manual P/N 190-01007-A3 Rev 14 January 2020, Garmin GFC 500 Installation Manual P/N 190-02291-00 Rev 17	

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DATE		AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
19	<div style="border: 1px solid black; padding: 5px;"> Select Avionics, LLC. 1500 E. Industrial Blvd Ste 121 McKinney, TX 75069 5ECR951Y LOG ID# 1762 17-March-2021 WO# 4443 SA 20 N3314S S/N 18280236 CESSNA 182S TACH 1521.0 </div> <p align="right">Pg 2 / 2</p>	
	February 2021, Garmin GNC 255A Installation Manual P/N 190-01182-02 Rev K October 2020, and Garmin G5 Installation Manual P/N 190-01112-10 Rev 25 March 2021.	
	Recomputed weight and balance and entered into aircraft records.	
	All wiring meets requirements of AC 43.13-1B chapter 11. Wiring was routed and secured as per AC 43.13-1B chapter 11. Circuit protection was used as per AC 43.13-1B chapter 11. Electrical load does not exceed limits as per AC 43.13-1B chapter 11. Wiring also meets requirements of AC 43.13-2B chapter 2. All installed equipment was checked for EMI interference as per AC 43.13-1B chapter 11. All effected systems were tested accordingly to show compliance with 14 CFR 23.1301.	
	FAA Approved Flight Manual Supplement for the GFC 500 P/N 190-02291-06 Rev 6 September 2020 has been provided to the aircraft owner/operator and must be on board the aircraft for this installation. FAA Approved Flight Manual Supplement for the G5 P/N 190-01112-13 Rev 6 July 2019 has been provided to the aircraft owner/operator and must be on board the aircraft for this installation.	
	The aircraft/appliance identified above was repaired in accordance with current Federal Aviation Agency Regulations and is hereby approved for return to service with respect to work performed.	
	<div style="display: flex; align-items: center;">  <div style="text-align: center;"> <p>3/17/21</p> <p>Date</p> </div> </div>	

