

Page No. \_\_\_\_\_

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

**FAR 91.413 Transponder and Altitude Reporting System.**

Required tests and inspections as marked were performed with reference to current approved procedures and equipment and/or systems complied with requirements. *H 629-8*

Aircraft Registration N9806E1. ☒ PT 43 APP.F TXP#1 ON 12/14/222. ☒ PT 43 APP.F TXP#2 ON \3. ☒ PT 43.E,c #1 Integrated System Test On 12/14/224. ☒ PT 43.E,c #2 Integrated System Test On \Signed *Dan Fisher* Date 12/14/22 W/O 12/14/22

Av Tech Services llc FAA CRS 64AR088C

I certify the altimeter and static tests required by *H 629-8*  
FAR 91.411 have been performed with reference to  
FAR 43, App. E, (Para...noted) A/C REG. N9806E

1. static system per Para.(a) L (wright in left or right, or L&R)2. Left altimeter per para.(b) to 10,000 ft. pos. or sn 20513. Right altimeter per para.(b) to 10,000 ft. pos. or sn 13104. Integrated system per para (c) No. 1,2 (List No's)Tested by *Dan Fisher* Date 12/14/22 W/O 12/14/22

Av Tech Services llc FAA CRS 64AR088C

**Cessna / 182R****N9806E****Tach:2070.2****Hobbs: 671.9****March 15, 2023**

Removed S-Tec 6413-0 attitude gyro p/n 504-0027-901 s/n 102G02351, Rapco 212CW engine driven vacuum pump s/n 199553, vacuum system filter and hoses, Superior Labs suction gauge p/n SL1003-001-1 s/n C4096, Electro-Mech standby vacuum system p/n EM-917-2 model/n C106008-0101 s/n 219, and Parker Airborne vacuum regulating valve p/n 2H3-16 s/n 10J. Replaced United Instruments altimeter p/n 5934P-1 s/n 6B974 with p/n 5934P.A56 s/n D1908. Installed Garmin GI 275 Attitude Instrument p/n 011-04489-10 s/n 5MZ108208 with battery pack p/n 010-02304-00 s/n 5MZ610851 as recorded on Form 337 dated 3/15/2023. Autopilot NAV function is INOP due to KI-525 course output fault. Placarded auto-pilot NAV function INOP. Repaired various static system leaks. Replaced burned out altimeter light ring and two post light bulbs in pilot panel overlay. Updated aircraft weight & balance data. Completed altimeter and static system inspections. **Altimeter #1** Make/Model **Garmin / GI 275**, s/n. **5MZ108208**, **Altimeter #2** Make/Model **United / 5934P.A56**, s/n **D1908**, and the **Static System** have been inspected IAW Title 14 CFR 91.411 and found to comply with specifications of Title 14 CFR 43 App E. Details on file under MTSWO 230302 CRS TJJR625X

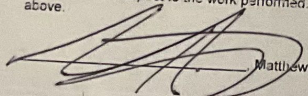
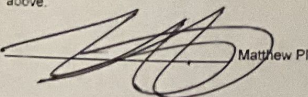
Mobile Transponder Services, LLC, dba Avionics Upgrades

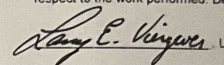
Dan Fisher-Chief Inspector *Dan Fisher*Date 3-15-2023

Phone: 719-251-8251

8266 Cessna Drive, Peyton, CO 80831



DATE	AIRFRAME TIME IN SERVICE	AVIONICS TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
			<p>SRQ Avionics 8191 N Tamiami Trail HGR B-2 Sarasota, FL 34243 (941) 360-6877</p> <p>Date: 8/17/2016; Aircraft: N9806E; Type: 182R; S/N: 18268448; Hobbs: 31.60; Tach: 0.00 Removed GNS530 s/n:78302055, GTX327 s/n:83700784, GA56 s/n:59048650, KX155 s/n:117997 and GMA340 s/n:96254685. Troubleshoot pitch porpoise on stec 55X autopilot. Removed pitch servo p/n:0108-p4 s/n:10346DE and tested on bench. Bench tests found high start up voltage. Sent Servo to Stec for Repair. Reinstalled Stec servo p/n:0108-p4 s/n:10346DE after outside repair. Removed SSD120RS232 s/n:68404 and Installed Trans-Cal SSD-120 (SN:21326) IAW Owner/Installation Manual Doc. No. 882188, Rev. B dated 7/9/08. Removed inoperative Bendixing KN64 s/n:2415 and Installed exchange Bendixing KN64 s/n:23814. Installed Garmin GTX345 (SN:3EG001787) IAW Installation Manual (190-00734-10) Rev 5. February 1, 2016, Per STC SA01714WI. See FAA form 337 signed on this date. Installed GTN750(SN:1ZA018381) IAW Garmin GTN 6XX/7XX AML STC installation Manual (190-01067 -A3) Rev. 8 dated Nov 2014 per STC SA02019SE-D. See FAA form 337 signed on this date. Installed GA 35 (SN:123911) Antenna IAW Garmin STC GPS and XM Antenna STC Installation Manual (190-01284-00) Rev. D, March 2012 per STC SA02016SE. Also per AC 43.13-2B Installed Garmin GNC255A (SN:2A8014494) IAW Garmin GTR 225/GNC 255 TSO Installation Manual (190-01132-02) Rev F, dated February 28, 2015. Installed revised weight and balance in aircrafts permanent records. Ramp checked system operational.</p> <p>W/O:16291</p> <p>I certify all work done to the aircraft and /or component identified above was done in accordance with current regulations of the Federal Aviation Administration and was found approved for return to service with respect to the work performed. Details on file under shop order on date listed</p> <p> Matthew Platt for Sarasota Avionics Inc. CRS# QV0R957X</p> <p>SRQ Avionics 8191 N Tamiami Trail HGR B-2 Sarasota, FL 34243 (941) 360-6877</p> <p>Date: 8/17/2016; Aircraft: N9806E; Type: 182R; S/N: 18268448; Hobbs: 31.60; Tach: 0.00 The Automatic pressure altitude reporting equipment Transcal SSD120 SN:21326 was tested and found to comply with Appendix E of 14 CFR 43, and calibration is in compliance with 14 CFR 91.217(b). The ATC Transponder Model GTX345 S/N:3EG001787 was tested, inspected, and found to comply with Appendix F of 14 CFR 43 and 14 CFR 91.413.</p> <p>W/O#16291</p> <p>I certify all work done to the aircraft and /or component identified above was done in accordance with current regulations of the Federal Aviation Administration and was found approved for return to service with respect to the work performed. Details on file under shop order on date listed above.</p> <p> Matthew Platt for Sarasota Avionics Inc. CRS# QV0R957X</p>

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			<p>SRQ Avionics 8191 N Tamiami Trail HGR B-2 Sarasota, FL 34243 (941) 360-6877</p> <p>Date: 2/01/2018; Aircraft: N9806E; Type: 182R; S/N: 18268448; Hobbs: 172.80 S-tec 55X Autopilot has small pitch porpoise in Altitude Hold. Troubleshoot system by testing start up voltage of pitch servo to be 1.5 volts, good. Also checked endle cable tension to 17 lbs. in tolerance. Found that transducer 0111 was old style blue plastic body transducer which is prone to cause the problem. Removed Transducer &amp; Installed new P/N 0111 S/N 00111-1725-46438AA. Reassembled Aircraft &amp; ramp tested operational.</p> <p>I certify all work done to the aircraft and /or component identified above was done in accordance with current regulations of the Federal Aviation Administration and was found approved for return to service with respect to the work performed. Details on file under shop order on date listed above.</p> <p> Larry Viergever for Sarasota Avionics Inc. CRS# QV0R957X</p> <p>The FAA Form 8130-3 and JAA Form One are equivalent. Other con</p> <p>FAA Form 8130-3 (11-93) (Computer Generated)</p>



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DATE AIRFRAME TIME IN SERVICE AVIONICS TIME IN SERVICE

SRQ Avionics  
SARASOTA 8191 N Tamiami Trail HGR B-2  
Sarasota, FL 34243  
(941) 360-6877

Date 11/09/2016 Aircraft N9806E, Type 182R, S/N 18268448, Hobbs 1542.70  
Troubleshoot inop panel lighting, removed rheostat S2091-7 and installed new rheostat S2091-7  
Removed altimeter PN 5934-1 sn 6B974 for outside repair due to foggy glass, reinstalled  
altimeter PN 5934-1 sn 6B974 after outside repair. System ramp checked operational. Work  
done IAW Cessna R182 MM ML-C-100-80 Rev C dated March 1996.  
WC#16389  
I certify all work done to the aircraft and/or component identified above was done in accordance  
with current regulations of the Federal Aviation Administration and was found approved for return  
to service with respect to the work performed. Details on file under shop order on date listed  
above.

Matthew Platt for Sarasota Avionics Inc. CRS# QVOR957X

1. Approving Civil Aviation Authority/Country <b>FAA/UNITED STATES</b>		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	
4. Organization Name and Address <b>Gulf Coast Instruments, Inc. VMXR3 3080 N. Washington Blvd., Bldg. #32, Sarasota, FL 34</b>			
6. Item	7. Description	8. Part Number	9. Quantity
1	Sensitive Pressure Altimeter	5934P-1	1
10. Serial	6B9		

1. Approving Civil Aviation Authority/Country <b>FAA/UNITED STATES</b>		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	
4. Organization Name and Address <b>Textron Aviation Inc. (PC4) Textron Aviation Inc. 1 Cessna Blvd, Wichita, KS 67215</b>			
6. Item	7. Description	8. Part Number	9. Quantity
10	RESISTOR	S2091-7	1
10. Serial	N/A		
11. Status/Work	New		
12. Remarks: <b>AUTHORIZED RELEASE DOCUMENT</b> POB: 08357			
13. Signature: <i>Don P. Macy</i> PC4 DON P. MACY 20/Oct/2016			

References al  
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DATE AIRFRAME TIME IN SERVICE AVIONICS TIME IN SERVICE

LOGBOOK ENTRY: C182 N9806E Tach 1733.0  
THE STATIC PRESSURE SYSTEM, TRANSPONDER WITH ALTITUDE REPORTING WAS IDENTIFIED  
TESTED AND INSPECTED U/A/W FAR 43, APPENDIX E, PART 43.1, 43.2, 43.3, 43.4, 43.5, 43.6, 43.7, 43.8, 43.9, 43.10, 43.11, 43.12, 43.13, 43.14, 43.15, 43.16, 43.17, 43.18, 43.19, 43.20, 43.21, 43.22, 43.23, 43.24, 43.25, 43.26, 43.27, 43.28, 43.29, 43.30, 43.31, 43.32, 43.33, 43.34, 43.35, 43.36, 43.37, 43.38, 43.39, 43.40, 43.41, 43.42, 43.43, 43.44, 43.45, 43.46, 43.47, 43.48, 43.49, 43.50, 43.51, 43.52, 43.53, 43.54, 43.55, 43.56, 43.57, 43.58, 43.59, 43.60, 43.61, 43.62, 43.63, 43.64, 43.65, 43.66, 43.67, 43.68, 43.69, 43.70, 43.71, 43.72, 43.73, 43.74, 43.75, 43.76, 43.77, 43.78, 43.79, 43.80, 43.81, 43.82, 43.83, 43.84, 43.85, 43.86, 43.87, 43.88, 43.89, 43.90, 43.91, 43.92, 43.93, 43.94, 43.95, 43.96, 43.97, 43.98, 43.99, 44.00, 44.01, 44.02, 44.03, 44.04, 44.05, 44.06, 44.07, 44.08, 44.09, 44.10, 44.11, 44.12, 44.13, 44.14, 44.15, 44.16, 44.17, 44.18, 44.19, 44.20, 44.21, 44.22, 44.23, 44.24, 44.25, 44.26, 44.27, 44.28, 44.29, 44.30, 44.31, 44.32, 44.33, 44.34, 44.35, 44.36, 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Av Tech Services llc FAA CRS 64AR088C



LOGBOOK ENTRY: C100 N70002 11/01/110510  
THE STATIC PRESSURE SYSTEM, TRANSPONDER WITH ALTITUDE REPORTING WAS IDENTIFIED  
TESTED AND INSPECTED I/A/W FAR43 APPENDIX E, PAR A & C, APPENDIX F (FAR91.413)  
AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THIS TEST IS ON FILE  
AT THIS REPAIR STATION UNDER W.O. 100218B DATE OCT 02, 2018

SIGNATURE Mark B. Aliandro INSP. (MBA)

**TROPIC RADIO INC. 2695 N.W. 56th ST. HANGER 53-A**  
**FT. LAUDERDALE FL. 33309 FAA APPROVED REPAIR STATION # RZ4R510M**  
**FT. LAUDERDALE EXECUTIVE AIRPORT\*ARCHER RAMP\***  
**TELEPHONE # 954-776-4030 WWW.TROPICRADIO.COM**

Garmin GTX 345 S/N 3EG001787

SSD120 S/N 21326

CERTIFICATION EXPIRES ON OCT 31, 2020

LOGBOOK ENTRY: C-182 N9806E TACH 1889.1  
THE STATIC PRESSURE SYSTEM, TRANSPONDER WITH ALTITUDE REPORTING WAS IDENTIFIED  
TESTED AND INSPECTED I/A/W FAR43 APPENDIX E, PAR A & C, APPENDIX F (FAR91.413)  
AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THIS TEST IS ON FILE  
AT THIS REPAIR STATION UNDER W.O. 110220A DATE NOV 02, 2020

SIGNATURE Mark B. Aliandro INSP. (MBA)

**TROPIC RADIO INC. 2695 N.W. 56th ST. HANGER 53-A**  
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Garmin GTX 345 S/N 3EG001787



SSD120 S/N 21326

A/C FOUND ADS-B COMPLIANT

CERTIFICATION EXPIRES ON NOV 30, 2022



DESCRIPTION OF WORK PERFORMED—  
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

DATE	AIRFRAME TIME IN SERVICE	AVIONICS TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
			<p><b>SRQ Avionics</b>   <b>8191 N Tamiami Trail HGR B-2</b>  <b>Sarasota, FL 34243</b>  <b>(941) 360-6877</b></p> <p>Date: 11/09/2016; Aircraft: N9806E; Type: 182R; S/N: 18268448; Hobbs: 1542.70            Troubleshoot inop panel lighting, removed rheostat S2091-7 and installed new rheostat S2091-7.            Removed altimeter PN:5934-1 sn:6B974 for outside repair due to foggy glass, reinstalled            altimeter PN:5934-1 sn:6B974 after outside repair. System ramp checked operational. Work            done IAW Cessna R182 MM ML-C-100-80 Rev C dated March 1996.            WO#16389.</p> <p>I certify all work done to the aircraft and/or component identified above was done in accordance            with current regulations of the Federal Aviation Administration and was found approved for return            to service with respect to the work performed. Details on file under shop order on date listed            above.</p> <p> Matthew Platt for Sarasota Avionics Inc. CRS# QV0R957X</p>

1. Approving Civil Aviation Authority/Country: <b>FAA/UNITED STATES</b>		2. <b>AUTHORIZED RELEASE CERTIFICATE</b> FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: <b>1422</b>	
4. Organization Name and Address: <b>3080 N. Washington Blvd., Bldg. #32, Sarasota, FL 34234</b>		5. Work Order/Contract/Invoice Number: <b>P531537</b>			
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	Sensitive Pressure Altimeter	5934P-1	1	6B974	Repaired

1. Approving Civil Aviation Authority/Country: FAA/United States		2. <b>AUTHORIZED RELEASE CERTIFICATE</b> FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: <b>5321644</b>	
4. Organization Name and Address: <b>Textron Aviation Inc. (PC4) Textron Aviation Inc. 1 Cessna Blvd, Wichita, KS 67215</b>		5. Work Order/Contract/Invoice Number: <b>2451255</b>			
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
10	RESISTOR	S2091-7	1	N/A	New
12. Remarks: <b>AUTHORIZED RELEASE DOCUMENT</b> <b>PO#: 08357</b>					
13a. Certifies the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.			13b. <input type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12. Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.		
13c. Authorized Signature: 		13d. Approval/Authorization No.: <b>PC4</b>		13e. Date (dd/mm/yyyy): <b>20/Oct/2016</b>	
13f. Name (Typed or Printed): <b>DON P. MACY</b>		13g. Date (dd/mm/yyyy): <b>20/Oct/2016</b>		13h. Name (Typed or Printed): <b>DON P. MACY</b>	
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AIRFRAME  
TIME  
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SERVICEAVIONICS  
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SERVICEDESCRIPTION OF WORK PERFORMED—  
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK**SARASOTA  
AVIONICS**  
INTERNATIONALSRQ Avionics  
8191 N Tamiami Trail HGR B-2  
Sarasota, FL 34243  
(941) 360-6877

Date: 2/01/2018; Aircraft: N9806E; Type: 182R; S/N: 18268448; Hobbs: 172 80  
S-tec 55X Autopilot has small pitch porpoise in Altitude Hold. Troubleshoot system  
by testing start up voltage of pitch servo to be 1.5 Volts, good. Also checked bridle  
cable tension to 17 lbs. in tolerance. Found that transducer, 0111 was old style  
blue plastic body transducer which is prone to cause this problem. Removed  
Transducer & Installed new P/N 0111 S/N 00111-1736-46488AA. Reassembled  
Aircraft & ramp tested operational.



I certify all work done to the aircraft and /or component identified above was done in accordance with  
current regulations of the Federal Aviation Administration and was found approved for return to service with  
respect to the work performed. Details on file under shop order on date listed above.

Larry Viergever, for Sarasota Avionics Inc. CRS# QV0R957X

The FAA Form 8130-3 and JAA Form One are equivalent. Other countries may have their own equivalent forms.

FAA Form 8130-3 (11-93) (Computer Generated)



Page No.	DATE	AIRFRAME TIME IN SERVICE	AVIONICS TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				<p><b>SRQ Avionics</b> 8191 N Tamiami Trail HGR B-2 Sarasota, FL 34243 (941) 360-6877</p> <p>Date: 8/17/2016; Aircraft: N9806E; Type: 182R; S/N: 18268448; Hobbs: 31.60; Tach: 0.00 Removed GNS530 s/n:78302055, GTX327 s/n:83700784, GA56 s/n:59048650, KX155 s/n:117997 and GMA340 s/n:96254685. Troubleshoot pitch porpoise on stec 55X autopilot. Removed pitch servo p/n:0108-p4 s/n:10346DE and tested on bench. Bench tests found high start up voltage. Sent Servo to Stec for Repair. Reinstalled Stec servo p/n:0108-p4 s/n:10346DE after outside repair. Removed SSD120RS232 s/n:68404 and Installed Trans-Cal SSD-120 (SN:21326) IAW Owner/Installation Manual Doc. No.:832138, Rev. B dated 7/9/08. Removed inoperative Bendixking KN64 s/n:2415 and Installed exchange Bendixking KN64 s/n:23614. Installed Garmin GTX345 (SN:3EG001787) IAW Installation Manual (190-00734-10) Rev 5, February 1, 2016, Per STC SA01714WI. See FAA form 337 signed on this date. Installed GTN750(SN:1ZA018381) IAW Garmin GTN 6XX/7XX AML STC Installation Manual (190-01007-A3) Rev. B dated Nov 2014 per STC SA02019SE-D. See FAA form 337 signed on this date. Installed GA 35 (SN:123911) Antenna IAW Garmin STC GPS and XM Antenna STC Installation Manual (190-01284-00) Rev. D, March 2012 per STC SA02018SE. Also per AC 43.13-2B. Installed Garmin GNC255A (SN:2A8014494 ) IAW Garmin GTR 225/GNC 255 TSO Installation Manual (190-01132-02) Rev F, dated February 28, 2015. Installed revised weight and balance in aircrafts permanent records. Ramp checked system operational.</p> <p>W.O:16291</p> <p>I certify all work done to the aircraft and /or component identified above was done in accordance with current regulations of the Federal Aviation Administration and was found approved for return to service with respect to the work performed. Details on file under shop order on date listed above.</p> <p> Matthew Platt for Sarasota Avionics Inc. CRS# QV0R957X</p>
				<p><b>SRQ Avionics</b> 8191 N Tamiami Trail HGR B-2 Sarasota, FL 34243 (941) 360-6877</p> <p>Date: 8/17/2016; Aircraft: N9806E; Type: 182R; S/N: 18268448; Hobbs: 31.60; Tach: 0.00 The Automatic pressure altitude reporting equipment Transcal SSD120 SN:21326 was tested and found to comply with Appendix E of 14 CFR 43, and calibration is in compliance with 14 CFR 91.217(b). The ATC transponder Model GTX345 S/N:3EG001787 was tested, inspected, and found to comply with Appendix F of 14 CFR 43 and 14 CFR 91.413.</p> <p>WO#16291</p> <p>I certify all work done to the aircraft and /or component identified above was done in accordance with current regulations of the Federal Aviation Administration and was found approved for return to service with respect to the work performed. Details on file under shop order on date listed above.</p> <p> Matthew Platt for Sarasota Avionics Inc. CRS# QV0R957X</p>