

THE **adlog**TM AIRCRAFT
MAINTENANCE
RECORDKEEPING
SYSTEM

**AVIONICS
MAINTENANCE
RECORDS**

DATE	AIRFRAME TIME IN SERVICE	AVIONICS TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
			 341 8th Ave SE #3C Tail Number: N511KC Saint Petersburg, FL 33701 A/C Model: PA-32R-301 Repair Station 8TXR176C Serial: 32R-8013055 Updated GNS 430W software to v5.40 in accordance with Service Bulletin 1766 Rev A. Removed existing GPS Antenna. Installed GA 35 GPS Antenna P/N 013-00235-00 S/N 211507 in accordance with Installation Instructions 190-00848-00 Rev F Shop Order: RS21-1562 The above has been inspected in accordance with current manufacture data and 14CFR and is approved for return to service with respect to the work performed. Inspector  Date: 02/11/2021
			 341 8th Ave SE #3C Tail Number: N511KC Saint Petersburg, FL 33701 A/C Model: PA-32R-301 Repair Station 8TXR176C Serial: 32R-8013055 Transponder # 1 Garmin GTX 330ES S/N 84146025 Transponder # 2 KT 76A S/N 65522 Altimeter # 1 United 5934P-1 S/N T4162 The altimeter, static system, altitude reporting and transponder systems have been inspected and tested satisfactory up to 20,000' and found to conform to FAR 43 Appendices E & F, per FAR 91.411 (a) and 91.413 (a) and is approved for return to service with respect to the work performed. The installed ADS-B out system has been shown to meet the equipment requirements of 14 CFR 91.227. The appropriate Altimeter Test Report dated 12/16/2022 has been supplied with this Logbook Entry. Shop Order RS22-1641 Inspector  Date: 12/16/2022

DATE	AIRFRAME TIME IN SERVICE	AVIONICS TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
			12-29-2014 WO 23530 PA32R-301 SN 32R-8013055 N511KIC
			Removed GTX330, SN 84146025. Sent to Garmin for ES upgrade (ADS-B out). Wired aircraft IAW AML STC #SA01714WI. Reinstalled GTX330ES. Unit tests good IAW Garmin Manual 190-00734-11, Revision 1 dated May 1, 2013. See FAA Form 337 dated December 29, 2014 for details. No change to weight and balance.
			A&P 3287177 Arizona Air-Craftsman
			John Atterholt

GTX330

I certify that the Altimeter, Static System, Encoder and
Transponder tests required by FAR Part 91.411 and 91.413
(Part 43 appendix E & F) have been performed. The Altimeter
was tested to 20,000 feet. WO# 54319

Mile High Avionics Division
Arizona Air-Craftsman
FAA CRS No. ZM3R029M

Signature Mitchell E Ramsay Date 24 Dec 2014

KT76A
I certify that the Altimeter, Static System, Encoder and
Transponder tests required by FAR Part 91.411 and 91.413
(Part 43 appendix E & F) have been performed. The Altimeter
was tested to 20,000 feet. WO# 54319

Mile High Avionics Division
Arizona Air-Craftsman
FAA CRS No. ZM3R029M

Signature Mitchell E Ramsay Date 24 Dec 2014

two transponders
I certify that the Altimeter, Static System, Encoder and
Transponder tests required by FAR Part 91.411 and 91.413
(Part 43 appendix E & F) have been performed. The Altimeter
was tested to 20,000 feet. WO# 54871

Mile High Avionics Division
Arizona Air-Craftsman
FAA CRS No. ZM3R029M

Signature Mitchell E Ramsay Date 12 Dec 2016



2020 Clubhouse Dr. Prescott, AZ 86301
FAA CRS ZM3R029M KPRC
928-717-1680 www.Legend-Aviation.com

Reg: N511KC Model: PA32R-301 S/N: 32R-8013055 W/O: 55724 Date: 12/12/18

Removed King KT76A transponder and tuned frequency IAW King Manual 006-05143-0007 Rev. 7 dated March 1999.
Reinstalled in aircraft and tested IAW Part 43 Appendix F.

The aircraft and components have been inspected and determined to be airworthy, with respect to the work
described above.

Signature of authorized individual: Mitchell E Ramsay Date: 12 Dec 2018

DATE	AIRFRAME TIME IN SERVICE	AVIONICS TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
			I certify that the Transponder/Correspondence tests required by FAR Part 91.413 (a) & (b) (Part 43 appendix F) have been performed.

KT76A + Marco AR550

Mile High Avionics Division
Arizona Air-Craftsman, Inc.
FAA CRS No. ZM3R029M
WO# 55724

Signature Mitchell E Ramsay Date 12 Dec 18

I certify that the Altimeter, Static System, Encoder and
Transponder tests required by FAR Part 91.411 and 91.413
(Part 43 appendix E & F) have been performed. The Altimeter
was tested to 20,000 feet. WO# 55724

GTX330ES
+
ACK A30.5

Mile High Avionics Division
Arizona Air-Craftsman
FAA CRS No. ZM3R029M

Signature Mitchell E Ramsay Date 12 Dec 18



3418 Ave SE #3C Tail Number: N511KC
Saint Petersburg, FL 33701 A/C Model: PA-32R-3
Repair Station 8TXR176C Serial: 1980

Transponder # 1 GTX 330ES S/N 84146025

Transponder # 2 KT 76A S/N 65522

Altimeter # 1 United 5934P-1 S/N T4162

The altimeter, static system, altitude reporting and
transponder systems have been inspected and tested
satisfactory up to 20,000' and found to conform to F.A.R.
43 Appendices E & F, per F.A.R. 91.411 (a) and 91.413 (a)
and is approved for return to service with respect to the
work performed.

The installed ADS-B out system has been shown to meet
the equipment requirements of 14 CFR 91.227.

The appropriate Altimeter Test Report dated 12/18/2020
has been supplied with this Logbook Entry.

Shop Order RS20-1347

Inspector Mitchell E Ramsay Date: 12/18/2020

St Pete Air				Altimeter Tests Work Sheet			
Work Order: RS20-1347		Date: 12-18-2020		Barometric Press: 29.92		S/N: 1162	
Basic Leak Test Date: 12-18-2020		Alt. No: 5934P-1		S/N: N/A		S/N: N/A	
T/N Number: 511KC		Alt. No: N/A		S/N: N/A		S/N: N/A	
Pressure Altitude Difference				Pilot Error			
Pressure Inches of Hg	Pilot	Altitude Difference (feet)	Copilot	Altitude Feet	Pilot	Tolerance Feet	Copilot
28.10	-1.20	1127	N/A	1000	10	±70	N/A
28.50	-1.54	1140	N/A	2000	10	±70	N/A
29.00	-1.90	1163	N/A	3000	10	±70	N/A
29.50	-2.26	1186	N/A	4000	10	±70	N/A
29.92	-2.62	1209	N/A	5000	10	±70	N/A
30.00	-2.70	1214	N/A	6000	10	±70	N/A
30.50	-3.06	1237	N/A	7000	10	±70	N/A
31.00	-3.42	1260	N/A	8000	10	±70	N/A
31.50	-3.78	1283	N/A	9000	10	±70	N/A
32.00	-4.14	1306	N/A	10000	10	±70	N/A
32.50	-4.50	1329	N/A	11000	10	±70	N/A
33.00	-4.86	1352	N/A	12000	10	±70	N/A
33.50	-5.22	1375	N/A	13000	10	±70	N/A
34.00	-5.58	1398	N/A	14000	10	±70	N/A
34.50	-5.94	1421	N/A	15000	10	±70	N/A
35.00	-6.30	1444	N/A	16000	10	±70	N/A
35.50	-6.66	1467	N/A	17000	10	±70	N/A
36.00	-7.02	1490	N/A	18000	10	±70	N/A
36.50	-7.38	1513	N/A	19000	10	±70	N/A
37.00	-7.74	1536	N/A	20000	10	±70	N/A
37.50	-8.10	1559	N/A				
38.00	-8.46	1582	N/A				
38.50	-8.82	1605	N/A				
39.00	-9.18	1628	N/A				
39.50	-9.54	1651	N/A				
40.00	-9.90	1674	N/A				
40.50	-10.26	1697	N/A				
41.00	-10.62	1720	N/A				
41.50	-10.98	1743	N/A				
42.00	-11.34	1766	N/A				
42.50	-11.70	1789	N/A				
43.00	-12.06	1812	N/A				
43.50	-12.42	1835	N/A				
44.00	-12.78	1858	N/A				
44.50	-13.14	1881	N/A				
45.00	-13.50	1904	N/A				
45.50	-13.86	1927	N/A				
46.00	-14.22	1950	N/A				
46.50	-14.58	1973	N/A				
47.00	-14.94	1996	N/A				
47.50	-15.30	2019	N/A				
48.00	-15.66	2042	N/A				
48.50	-16.02	2065	N/A				
49.00	-16.38	2088	N/A				
49.50	-16.74	2111	N/A				
50.00	-17.10	2134	N/A				
50.50	-17.46	2157	N/A				
51.00	-17.82	2180	N/A				
51.50	-18.18	2203	N/A				
52.00	-18.54	2226	N/A				
52.50	-18.90	2249	N/A				
53.00	-19.26	2272	N/A				
53.50	-19.62	2295	N/A				
54.00	-19.98	2318	N/A				
54.50	-20.34	2341	N/A				
55.00	-20.70	2364	N/A				
55.50	-21.06	2387	N/A				
56.00	-21.42	2410	N/A				
56.50	-21.78	2433	N/A				
57.00	-22.14	2456	N/A				
57.50	-22.50	2479	N/A				
58.00	-22.86	2502	N/A				
58.50	-23.22	2525	N/A				
59.00	-23.58	2548	N/A				
59.50	-23.94	2571	N/A				
60.00	-24.30	2594	N/A				
60.50	-24.66	2617	N/A				
61.00	-25.02	2640	N/A				
61.50	-25.38	2663	N/A				
62.00	-25.74	2686	N/A				
62.50	-26.10	2709	N/A				
63.00	-26.46	2732	N/A				
63.50	-26.82	2755	N/A				
64.00	-27.18	2778	N/A				
64.50	-27.54	2801	N/A				
65.00	-27.90	2824	N/A				
65.50	-28.26	2847	N/A				
66.00	-28.62	2870	N/A				
66.50	-28.98	2893	N/A				
67.00	-29.34	2916	N/A				
67.50	-29.70	2939	N/A				
68.00	-30.06	2962	N/A				
68.50	-30.42	2985	N/A				
69.00	-30.78	3008	N/A				
69.50	-31.14	3031	N/A				
70.00	-31.50	3054	N/A				
70.50	-31.86	3077	N/A				
71.00	-32.22	3100	N/A				
71.50	-32.58	3123	N/A				
72.00	-32.94	3146	N/A				
72.50	-33.30	3169	N/A				
73.00	-33.66	3192	N/A				
73.50	-34.02	3215	N/A				
74.00	-34.38	3238	N/A				
74.50	-34.74	3261	N/A				
75.00	-35.10	3284	N/A				
75.50	-35.46	3307	N/A				
76.00	-35.82	3330	N/A				
76.50	-36.18	3353	N/A				
77.00	-36.54	3376	N/A				
77.50	-36.90	3399	N/A				
78.00	-37.26	3422	N/A				
78.50	-37.62	3445	N/A				
79.00	-37.98	3468	N/A				
79.50	-38.34	3491	N/A				
80.00	-38.70	3514	N/A				
80.50	-39.06	3537	N/A				
81.00	-39.42	3560	N/A				
81.50	-39.78	3583	N/A				
82.00	-40.14	3606	N/A				
82.50	-40.50	3629	N/A				
83.00	-40.86	3652	N/A				
83.50	-41.22	3675	N/A				
84.00	-41.58	3698	N/A				
84.50	-41.94	3721	N/A				
85.00	-42.30	3744	N/A				
85.50	-42.66	3767	N/A				
86.00	-43.02	3790	N/A				
86.50	-43.38	3813	N/A				
87.00	-43.74	3836	N/A				
87.50	-44.10	3859	N/A				
88.00	-44.46	3882	N/A				
88.50	-44.82	3905	N/A				
89.00	-45.18	3928	N/A				
89.50	-45.54	3951	N/A				
90.00	-45.90	3974	N/A				
90.50	-46.26	3997	N/A				
91.00	-46.62	4020	N/A				
91.50	-46.98	4043	N/A				
92.00	-47.34	4066	N/A				
92.50	-47.70						

SRQ Avionics				Altimeter Tests Work Sheet				Repair Station No. QV0R957X			
Work Order: 1122				Date: 11/22/13				Barometric Press: 30.00			
Static Leak Test Date: 11/22/13				Alt. No: 1122				S/N: 1122			
P/N Number: 1122				Alt. No: 1122				S/N: 1122			
Pressure Altitude Difference											
Pressure inches of Hg		Pilot		Altitude Difference (feet)		Coptest					
28.10				1727							
28.50				1341							
29.00				863							
29.50				392							
29.92				0							
30.50				531							
30.90				893							
30.99				976							
Scale Error Test				Preliminary Inspection							
Altitude Feet		Pilot Error		Tolerance ± Feet		Coptest Error					
-1000				20							
0				20							
500				20							
1000				20							
1500				25							
2000				30							
3500				30							
4000				35							
4500				40							
5000				40							
6000				60							
10000				80							
12000				90							
14000				100							
16000				110							
18000				120							
20000				130							
22000				140							
25000				155							
30000				180							
35000				205							
40000				230							
45000				255							
50000				280							
51000				285							
52000				290							
53000				295							
54000				300							
Mode C correspondence - Error corrected to 29.92 inches of Hg											
Altitude - Feet		System 1		Error		System 2					
0				±125							
10000				125							
20000				125							
30000				125							
Unit 1				Unit 2							
Transponder		Encoder S/N		Transponder		Encoder S/N					
S/N		S/N		S/N		S/N					
Frequency		Power		Frequency		Power					
Frequency		Power		Frequency		Power					
Tested By: 11/22/13				Date: 11/22/13				Revision Date: 11/22/13			

Miller Aviation, Inc
605 SW 77th Way Hanger #1
Pembroke Pines, FL 33023

N511KC Tach: 2646.83 AFTT: 3985.83 28 Aug. 2013
Aircraft Model: PA32R-301 S/N32R-8013055

Removed the following equipment: PM3000, Intercom, King KMA-20 Audio Control Panel, 2 KX-175B Nav/Comm's, KI-209A Indicator, KI208 CDI and Apollo GPS 820. Installed Garmin GNS-430W, P/N 011-01060-45, S/N 23436198 and GI-106A CDI & new GPS Antenna and Coax cable per installation instructions. Installed KX155 W/ KI-209 Indicator & GMA 340 Audio Control Panel. All wiring routed and secured. Garmin GTX-330 Transponder P/N 101-00230-01, ACK-A30-232 Blind Encoder. Garmin Equipment & GPS tested and all ground checks performed, installation does not interfere with existing Engine or Aircraft electrical systems. Electrical load does not exceed 80% of Capacity. All work performed complies w/ AC 43.13-1b & AC 43.13-2b. Completed new Aircraft Weight & Balance, new Empty Wt 2282.9 Lbs, Empty Wt C.G. 82.69, Moment 188774.9. Completed FAA Forms 337.

R.W. Miller A & P 45469081A

ORK PERFORMED—
OF PERSON PERFORMING WORK

5; Hobbs: 1664.50; Tach: 0.00
e of 20,000 feet and was found to
omatic pressure altitude reporting
, & calibration is in compliance
ed, inspected, and found to
ssure system was tested and

as done in accordance with
airworthy for return to service with
ted above.

nc. CRS# QV0R957X

DATE	AIRFRAME TIME IN SERVICE	AVIONICS TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
			Lynch Avionics Ft. Lauderdale, FL 33315 FAA #KT4R322M
			Completed 91.411 Altimeter test per FAR 43 Appendix E. #1 P/N <u> </u> S/N <u> </u> Alt <u> </u> #2 P/N <u> </u> S/N <u> </u> Alt <u> </u>
			Completed 91.413 Transponder test per FAR 43 Appendix F. #1 P/N <u>GTV 330</u> S/N <u>84146025</u> Alt <u>29000</u> #2 P/N <u> </u> S/N <u> </u> Alt <u> </u>
			Completed 91.411 Encoder test per FAR 43 Appendix E. #1 P/N <u>ACK A30-232</u> S/N <u>130635</u> Alt <u>20,000</u> #2 P/N <u> </u> S/N <u> </u> Alt <u> </u>
			Completed 91.411 Static system test per FAR 43 Appendix E.
			Work Order # <u>LYE4225</u> Date <u>09/30/13</u> Sign <u> </u> A/C# <u>N511KC</u>
			3/21/14 Gns 430W s/n 23436198 c/w SB 1403A. Software Updated to Main Software Version 5.10 by Banyan Avionics Services.
			Palm Beach Avionics, Inc. 11250-3 Aviation Blvd. West Palm Beach, FL 33412 Phone (561) 625-6690 • Fax (561) 625-1087 www.palmbeachavionics.com
			Open Date: 7/7/2014 Invoice Date: 7/7/2014
			To: STEPHEN BELL 1745 SE 9TH ST FORT LAUDERDALE FL 33316-1415
			Work Order #30073 P/O #: Contact: Phone: 954-646-449 MTOW: A/C MFG: Piper A/C Model: PA-32R-301 A/C Reg: N511KC
			Item# Discrepancy 1. Manual Electric Trim Intermittent: Ramp checked and found functional. Removed controller from aircraft. Tested transfer relay K1 and verified intermittent relay contacts. Cleaned contacts and controls. Reinstalled unit in aircraft. Ramp checks good
			Equipment Date: 7/7/2014 Tech: <u> </u> Insp: <u> </u> CENTURY: 1D720 S/N4821

2/25/05			Pitot/Static/Transponder check done. See log entry on this date in engine section. (X) due next Feb 2007
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[illegible]

AVIONICS MAINTENANCE RECORDS

(including transponder biennial checks)

Log No. _____

Aircraft Registration No. N511KC
 Aircraft Manufacturer PIPER
 Model PA 32-R-301
 Serial No. 32R-8013055

EQUIPMENT LISTING

List all installed avionics, autopilot and flight director equipment.

Mfg.	Model	Serial No.
1.		
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