

THE **adlog**

**AIRCRAFT
MAINTENANCE
RECORDKEEPING
SYSTEM**

**AVIONICS
MAINTENANCE
RECORDS**

:tive
port

AVIONICS MAINTENANCE RECORDS

(including transponder biennial checks)

Log No. _____

Aircraft Registration No. N33582

Aircraft Manufacturer Piper

Model PA28-140

Serial No. 28-7525203

EQUIPMENT LISTING

List all installed avionics, autopilot and flight director equipment.

	Mfg.	Model	Serial No.
1.	<u>KING</u>	<u>KX-155</u>	
2.	<u>KING</u>	<u>KX-170B</u>	<u>57237</u>
3.	<u>KING</u>	<u>KMA-20</u>	
4.	<u>APOLLO</u>	<u>678612B</u>	
5.	<u>KING</u>	<u>KR-86</u>	
6.	<u>KING</u>	<u>KT-78</u>	
7.	<u>P.S. ENGR.</u>	<u>PM-501</u>	
8.	<u>KING</u>	<u>KI-209</u>	
9.	<u>KING</u>	<u>KI-208</u>	
10.			
11.			
12.			
13.			
14.			
15.			
16.			
17.			
18.			
19.			
20.			



AEROTECH PUBLICATIONS INC.

www.adlog.com
PO BOX 1359 / SOUTHOLD, NY 11971-0965

(631) 765-9375

1-800-235-6444

FAX: (631) 765-9359

Altimeter Correction Card

Altimeter: <u>PILOT</u>		SN: <u>N33532</u>	
ALT	Error	ALT	Error
-1000	0	14000	30
0	0	16000	40
500	10	18000	65
1000	5	20000	60
1500	15	22000	↑
2000	20	25000	↑
3000	20	30000	↑
4000	25	35000	NA
6000	30	40000	↓
8000	20	45000	↓
10000	30	50000	↓
12000	20	55000	↓
Barometric InHg: <u>30.04</u>		Test Date: <u>24 JUL 08</u>	



Altitude Reporting Systems have been
checked in accordance with FAR 43 Appendix E and F, as

tested and found to be in compliance with
FAR 91.413

CRS: N4OR087B WO: 97

Tested By: J. R. [Signature] CRS N4OR087B
Mansfield Airport 265 Fruit St Mansfield MA 02048

8 SEP 09	5255.7	Removed KX-170B S/N 57237 FOR TEST & REPAIR OF COM REPORTED 'SCRATCHY BUT READABLE' BY TOWER. A. Chewy owner PP 3422310
19 SEP 09	5255.7	KX-170B S/N 57237 REINSTALLED AFTER REPAIR/ALIGNMENT. D. Chewy owner PP 3422310

1. Approving National Aviation Authority/Country: USA		2. AUTHORIZED RELEASE FAA Form 8130-3, AIRWORTHINESS	
4. Organization Name and Address: Avionics Unlimited Inc. 10051 Military Drive, Hangar 24, Conroe, Texas			
6. Item:	7. Description:	8. Part Number:	9. Eligibility:
01	King KX 170B	066-1020-00	N/A
13. Remarks: Aligned and tested unit to MFR Specs.			

DATE	AIRFRAME TIME IN SERVICE	AVIONICS TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
5 JUL 2010			LOCATED AND CORRECTED LOOSE GROUND WIRE IN OVERHEAD LIGHTING CONSOLE. ALL FUNCTIONS CHECK GOOD. <i>R. L. Chew, owner, AP 342230</i>

N. 33532 MAKE PIPER MODEL PA-28-140
 THE ALTIMETER AND STATIC SYSTEM TESTS REQUIRED BY F.A.R. PART 91.411 HAS BEEN PERFORMED THIS DATE 9 Feb 11
 ALTIMETER TESTED IN COMPLIANCE WITH APPENDIX E PART 43 TO 20 000 FEET. DATE 9 Feb 11 STATIC SYSTEM CHECK PERFORMED BY RAY ALLEN'S ELECTRONICS, INC. BUTLER, GA. F.A.A. R/S#HS4R243M
 SIGNED R Allen DATE 9 Feb 11

DATE 9 Feb 11 I CERTIFY THIS ATC TRANSPONDER (MAKE) KING (MODEL) KT-76 (SERIAL#) — HAS BEEN TESTED, INSPECTED AND FOUND TO COMPLY WITH APPENDIX F OF F.A.R. 43 AND PART 91.413. FAA R/S#HS4R243M
 SIGNED R Allen DATE 9 Feb 11
 TESTS PERFORMED BY RAY ALLEN'S ELECTRONICS, INC. BUTLER, GA.

RAY ALLEN'S ELECTRONICS, INC.
 53-A6 Hanger Drive • Butler, Georgia 31006
 Ph. 478-862-3033 • FAA CRS #HS4R243M

test alt. ft.	tol.	actual +or-ft.	friction	tol.	actual +or-ft.	case leak
-1000	20	0	1000	70	20	0
0	20	0	2000	70	20	hystersis
500	20	0	3000	70	25	+or-ft.
1000	20	+15	6000	70	15	50/-30
1500	25	+15	10000	80	30	40/-20
2000	30	+20	16000	90	35	after effect
4000	35	+30	20000	100	55	tol + ft.
6000	40	+40	25000	120		15
8000	60	+40	30000	140		KING
10000	80	+45	35000	160		KT-76
			40000	180		
			45000	280		

~~NO FURTHER ENTRIES THIS PAGE.~~

DATE	TIME IN SERVICE	TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
9/25/11			Removed KX-155 NAV/COM S/N 26001 FOR REPAIR OF GLIDESLOPE INOP. D. Cherry PP3422310, OWNER
10/30/11			REINSTALLED KX-155 NAV/COM S/N 26001 AFTER REPAIR. TEST FLIGHT ON KDMW ILS GOOD. D. Cherry PP3422310, OWNER
10/26/13	5537.9		<p>N. 33532 MAKE PIPER MODEL PA-28-140 THE ALTIMETER AND STATIC SYSTEM TESTS REQUIRED BY F.A.R. PART 91.411 HAS BEEN PERFORMED THIS DATE 26 OCT 13 ALTIMETER TESTED IN COMPLIANCE WITH APPENDIX E PART 43 TO 20000 FEET. DATE 26 OCT 13 STATIC SYSTEM CHECK PERFORMED BY RAY ALLEN'S ELECTRONICS, INC. BUTLER, GA. F.A.A. F/S#HS4R243M SIGNED <i>R Allen</i> DATE 26 OCT 13</p> <p>DATE 26 OCT 13 I CERTIFY THIS ATC TRANSPONDER (MAKE) KING (MODEL) KT-78 (SERIAL#) HAS BEEN TESTED, INSPECTED AND FOUND TO COMPLY WITH APPENDIX E OF F.A.R. 43 AND PART 91.413. FAA R/S#HS4R243M SIGNED <i>R Allen</i> DATE 26 OCT 13 TESTS PERFORMED BY RAY ALLEN'S ELECTRONICS, INC. BUTLER, GA.</p>

MONARCH AVIATION, INC.
 627 AIR PARK ROAD, DEFUNIAK SPRINGS, FLORIDA. 32435.
 F.A.A. CERTIFIED REPAIR STATION # V9MR 280Y.
 PIPER PA-28-140. N33532. TACH: 5653.51. WO: 3501. DATE. MAY 10, 2015.

THE FOLLOWING ITEMS WERE INSTALLED:
 BENDIX/KING KLN 90B GPS (SN. 23793), BENDIX/KING KI 202 NAV INDICATOR (SN.12564),
 BENDIX/KING KA 92 GPS ANTENNA AND A MID CONTINENT MD-41-324 ANNUNCIATOR
 PANEL. REF: FAA FORMS 337 DATED MAY 10, 2015.

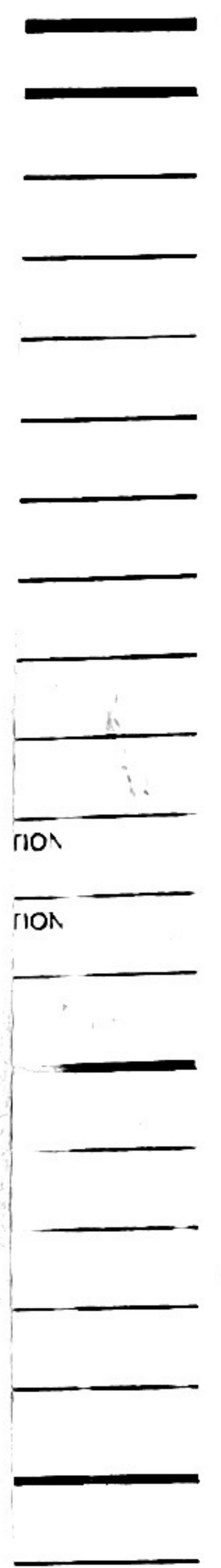
[Signature]
 AUTHORISED SIGNATURE FOR MONARCH AVIATION, INC.

MAINTENANCE RELEASE.

THE MAINTENANCE CARRIED OUT ON THE AIRCRAFT IDENTIFIED ABOVE WAS CARRIED OUT AND INSPECTED IN ACCORDANCE WITH CURRENT MAINTENANCE REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION. THE ABOVE AIRCRAFT IS APPROVED FOR RETURN TO SERVICE. RELEVANT DETAILS OF THE WORK CARRIED OUT ARE HELD ON FILE AT THIS REPAIR STATION UNDER: WORK ORDER # 3501. DATED: MAY 10, 2015.

[Signature]
 AUTHORISED SIGNATURE FOR MONARCH AVIATION, INC.

DATE	AIRFRAME TIME IN SERVICE	AVIONICS TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
11/6/2015	5680.9		<p style="text-align: center;">MONARCH AVIATION REPAIR STATION # V9MR 280Y</p> <p>The Altimeter System Test and Inspection required by FAR 91.411 were performed on this date and found to comply with FAR Part 43 Appendix E Paragraphs a and b. Tested to <u>16,000</u> Ft.</p> <p>Details of this inspection are held on file at Monarch Aviation, Inc on Work Order # <u>3590</u> Date <u>NOV 6, 2015</u></p> <p>Authorized Signature _____</p>
			<p style="text-align: center;">MONARCH AVIATION REPAIR STATION # V9MR 280Y</p> <p>The ATC Transponder and Automatic Pressure Altitude Reporting Equipment Tests and Inspections required by FAR 91.411 and 91.413 were performed on this date and found to comply with FAR Part 43 Appendix E and F.</p> <p>Details of this inspection are held on file at Monarch Aviation, Inc. on Work Order # <u>3590</u> Date <u>NOV 6, 2015</u></p> <p>Authorized Signature _____</p>
4/12/2016	5697.8		<p><u>KLN-90B GPS MEMORY BATTERY TL-5104</u> <u>REPLACED. DUE REPLACEMENT NEXT</u> <u>ON APR 2019. Serial# CKengover/PP3422310</u></p>
<p><u>NOTHING FURTHER THIS PAGE</u></p>			



DATE

AIRFRAME
TIME
IN
SERVICE

AVIONICS
TIME
IN
SERVICE

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



NOWELL AVIATION LLC.

Blackwell Airfield 71J Ozark, Al 36360 PH 334-379-8584

DATE: 14 JUL 2019 ACFT: N33532 Tach: 5872.2 TTAF: 5872.2 HOBBS: 1252.2 Sn: 28-7525203

Removed King KT78 Transponder. Installed Stratus ESG 1090ES Transpondeer S/N: 078858-078879.

Replaced Transponder Coax cable. Installed Rami WAAS AV74 Antenna. Installed Stratus 3i Receiver.

As per Stratus ES/ESG Installation Instruction. Flight Test was performed at 10,000 FT. and FAA

PAPR Report was received from FAA with no discrepancies. A/C weight change negligible.



Aircraft Approved for Return to Service.

Mark L Nowell

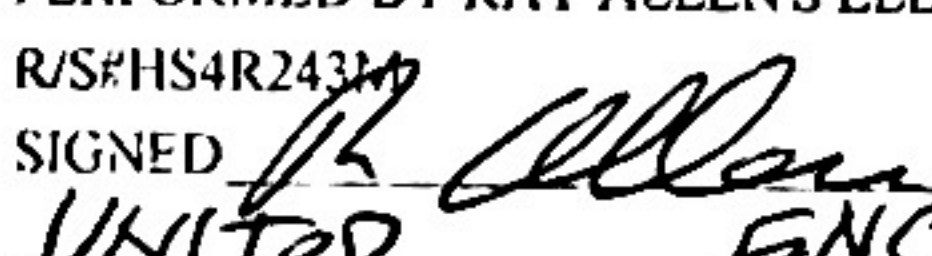
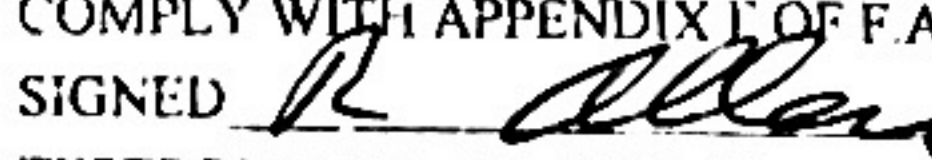
A&P/IA 3493897

TION

TION

DATE	AIRFRAME TIME IN SERVICE	AVIONICS TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
21 APR 20	5975.3		
			MONARCH AVIATION REPAIR STATION #V9MR 280Y
			<p>THE ATC TRANSPONDER AND AUTOMATIC PRESSURE ALTITUDE REPORTING EQUIPMENT TEST AND INSPECTION REQUIRED BY FAR 91.227, FAR 91.411 AND 91.413 WERE PERFORMED ON THIS DATE AND FOUND TO COMPLY WITH FAR 43 APPENDIX E AND F. DETAILS OF THIS INSPECTION ARE HELD ON FILE AT MONARCH AVIATION, INC. (STRATUS ESG TRANSPONDER SN. 078864 WITH AN ACK A-30 ALTITUDE ENCODER SN. 153157).</p> <p>WORK ORDER # 4204. DATE: APRIL 21, 2020</p> <p>AUTHORIZED SIGNATURE..... </p>
			MONARCH AVIATION REPAIR STATION #V9MR 280Y
			<p>THE ALTIMETER SYSTEM TEST AND INSPECTION REQUIRED BY FAR 91.411 WERE PERFORMED ON THIS DATE AND FOUND TO COMPLY WITH FAR PART 43 APPENDIX E PARAGRAPHS A AND B. TESTED 20,000 FT. (UNITED ALTIMETER 5934P-1.).</p> <p>DETAILS OF THIS INSPECTION ARE HELD ON FILE AT MONARCH AVIATION, INC. ON WORK ORDER # 4204. DATE: APRIL 21, 2020</p> <p>AUTHORIZED SIGNATURE..... </p>

20 MAY 20	5977.2		<p>REMOVED KX-155 SN 26001 AND REPLACED WITH KX-155 SN 50701. OP CHECK GOOD.</p> <p>FORM 8130-3 DATED 30 APR 2020.</p> <p>Ray Allen AP3422310 OWNER</p>
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7 JUN 21	5957.1		<p>N 33532 MAKE PIPER MODEL PA28-140</p> <p>THE ALTIMETER AND STATIC SYSTEM TESTS REQUIRED BY F.A.R. PART 91.411 HAS BEEN PERFORMED THIS DATE 7 June 21</p> <p>ALTIMETER TESTED IN COMPLIANCE WITH APPENDIX E PART 43 TO 20000 FEET. DATE 7 June 21. STATIC SYSTEM CHECK PERFORMED BY RAY ALLEN'S ELECTRONICS, INC. BUTLER, GA. F.A.A. R/S#HS4R243M</p> <p>SIGNED  DATE 7 June 21</p> <p>UNITED ENC TESTED BY FAR STRAT 43 APP E PARA C</p> <p>DATE 7 June 21 I CERTIFY THIS ATC TRANSPONDER (MAKE) APPARCO (MODEL) STRATUS ESG (SERIAL#) _____ HAS BEEN TESTED, INSPECTED AND FOUND TO COMPLY WITH APPENDIX E OF F.A.R. 43 AND PART 91.413. FAA R/S#HS4R243M</p> <p>SIGNED  DATE 7 June 21</p> <p>TESTS PERFORMED BY RAY ALLEN'S ELECTRONICS, INC. BUTLER, GA.</p>
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DATE	AIRFRAME TIME IN SERVICE	AVIONICS TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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7JUN21 5957.1

RAY ALLEN'S ELECTRONICS, INC.
 53-A6 Hanger Drive • Butler, Georgia 31006
 Ph. 478-862-3033 • FAA CRS #HS4R243M

test alt. ft.	tol.	actual +or-ft.	friction	tol.	actual +or-ft.	case leak
-1000	20	+10	1000	70	20	0
0	20	+15	2000	70	25	hystersis
500	20	-5	3000	70	25	+or-ft.
1000	20	0	5000	70	30	50/-25
1500	25	+5	10000	80	30	40/-35
2000	30	+20	15000	90	40	after effect
3000	30	+25	20000	100	70	tot + ft.
4000	35	+25	25000	120		15
6000	40	+30	30000	140		
8000	60	+35	35000	160		
10000	80	+30	baro scale check			date
12000	90	+20	tol. +or-ft. + scale			7 JUN
14000	100	+30	error			2021
16000	110	+35	im.mg	mon.	actual	N3353R
18000	120	+60	28.10	-1727	1725	PIPER
20000	130	+80	28.50	-1340	1335	PA 28-140
22000	140		29.00	-863	865	APPALO
25000	155		29.50	-392	390	STRATUS
30000	180		29.92	.0	0	ESG
35000	205		30.50	+531	530	UNITED
			30.90	+893	895	STD
			30.99	+974	985	ACT

+60

11-29-2022 6537.5

REPLACED DG WITH SN: 42032C REFERENCING

PIPER SM. SEE 8130-3 # 54898. MOC OK

NO FAULTS FOUND. JEB RALPH

Item _____
 accordance with
 maintenance ma
 Rev 10/78
 approved speci

8. Part Number: 40008-12

AUTHORIZED REPAIR
 FAA Form 8130-3, AIRW 2