

N34081

THE
adlogTM

**AIRCRAFT
MAINTENANCE
RECORDKEEPING
SYSTEM**

**AVIONICS
MAINTENANCE
RECORDS**



AVIONICS MAINTENANCE RECORDS

(including transponder biennial checks)

Log No. _____

Aircraft Registration No. _____

Aircraft Manufacturer _____

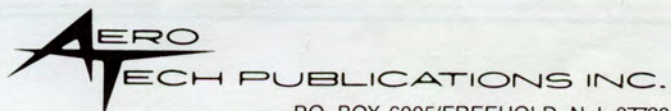
Model _____

Serial No. _____

EQUIPMENT LISTING

List all installed avionics, autopilot and flight director equipment.

	Mfg.	Model	Serial No.
1.	NARCO	AR 850	24265 58263
2.	KING	KT 76	27671
3.	King	KX 175B TSO	18017
4.			
5.			
6.			
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18.			
19.			
20.			



P.O. BOX 6005/FREEHOLD, N.J. 07728
(908) 462-5330

DATE	AIRFRAME TIME IN SERVICE	AVIONICS TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
			<p>MFG <u>KING</u> MODEL <u>K176</u> S/N <u>27671</u></p> <p>THE TRANSPONDER IDENTIFIED ABOVE WAS INSPECTED IN THE AIRCRAFT IN ACCORDANCE WITH FAR 43 APPENDIX F AS REQUIRED BY FAR 91.413 AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE TEST ARE ON FILE AT THIS AGENCY UNDER WORK ORDER No. <u>3920</u> Date <u>7.8.94</u></p> <p>Inspector <u>PJM Lennan</u> CROWN AVIATION AVIONICS FAA REPAIR STATION IH6R613N</p>
			<p>MFG <u>KING</u> MODEL <u>K176</u> S/N <u>29671</u></p> <p>THE TRANSPONDER IDENTIFIED ABOVE WAS INSPECTED IN THE AIRCRAFT IN ACCORDANCE WITH FAR 43 APPENDIX F AS REQUIRED BY FAR 91.413 AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE TEST ARE ON FILE AT THIS AGENCY UNDER WORK ORDER No. <u>15465</u> Date <u>6.12.95</u></p> <p>Inspector <u>Craig R Galy</u> CROWN AVIATION AVIONICS FAA REPAIR STATION IH6R613N</p>
			<p>MFG <u>KING</u> MODEL <u>K176</u> MFG <u>KING</u> MODEL <u>K176</u> S/N <u>27671</u> S/N <u>27671</u></p> <p>THE TRANSPONDER IDENTIFIED ABOVE WAS INSPECTED IN THE AIRCRAFT IN ACCORDANCE WITH FAR 43 APPENDIX F AS REQUIRED BY FAR 91.413 AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE TEST ARE ON FILE AT THIS AGENCY UNDER WORK ORDER No. <u>5442</u> Date <u>6.30.00</u></p> <p>Inspector <u>PJM Lennan</u> CROWN AVIATION AVIONICS FAA REPAIR STATION IH6R613N</p>
			<p>I CERTIFY THAT THE <u>ALTIMETER AND STATIC SYSTEM TESTS</u> REQUIRED BY FAR 91.411 HAVE BEEN PERFORMED. THE ALTIMETER WAS TESTED TO <u>20000</u> FEET ON <u>6.30.00</u> DATE OF ALT. TEST <u>6.30.00</u> DATE OF STATIC TEST <u>6.30.00</u></p> <p>SIGNED <u>PJM Lennan</u> CERT. NO. <u>IH6R613N</u> CROWN AVIATION AVIONICS</p>
			<p>MFG <u>KING</u> MODEL <u>K176</u> S/N <u>27671</u></p> <p>THE TRANSPONDER IDENTIFIED ABOVE WAS INSPECTED IN THE AIRCRAFT IN ACCORDANCE WITH FAR 43 APPENDIX F AS REQUIRED BY FAR 91.413 AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE TEST ARE ON FILE AT THIS AGENCY UNDER WORK ORDER No. <u>6265</u> Date <u>7.1.02</u></p> <p>Inspector <u>Mark C. Harman</u> CROWN AVIATION AVIONICS FAA REPAIR STATION IH6R613N</p>

DATE	AIRFRAME TIME IN SERVICE	AVIONICS TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
	10/17/2003	N34081	Tach. 907.7 WO# 6722 Repaired Glide Slope System. <i>Michael O'Hanrahan</i> CROWN AVIATION & AVIONICS REPAIR STATION NO. IH6R613N
7/27/04	1141.9		MFG <u>King</u> MODEL <u>KT76</u> S/N <u>27671</u> THE TRANSPONDER IDENTIFIED ABOVE WAS INSPECTED IN THE AIRCRAFT IN ACCORDANCE WITH FAR 43 APPENDIX F AS REQUIRED BY FAR 91.413 AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE TEST ARE ON FILE AT THIS AGENCY UNDER WORK ORDER No. <u>2013</u> Date <u>7-27-04</u> Inspector <u>Michael O'Hanrahan</u> CROWN AVIATION AVIONICS FAA REPAIR STATION IH6R613N I CERTIFY THAT THE ALTIMETER AND STATIC SYSTEM TESTS REQUIRED BY FAR 91.411 HAVE BEEN PERFORMED. THE ALTIMETER WAS TESTED TO <u>20000</u> FEET ON — DATE OF ALT. TEST <u>7-27-04</u> DATE OF STATIC TEST <u>7-27-04</u> SIGNED <u>Michael O'Hanrahan</u> CERT. NO. IH6R613N CROWN AVIATION AVIONICS
3/28/04	1521.8		Calib. #1 & #2 VORs error < 1° <i>Michael O'Hanrahan</i> WO# 7667 CROWN AVIATION AVIONICS Paine Field, Everett, WA FAA Repair Station 1H6R613N
7/21-06	1593.4		MFG <u>King</u> MODEL <u>KT76</u> S/N <u>27671</u> THE TRANSPONDER IDENTIFIED ABOVE WAS INSPECTED IN THE AIRCRAFT IN ACCORDANCE WITH FAR 43 APPENDIX F AS REQUIRED BY FAR 91.413 AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE TEST ARE ON FILE AT THIS AGENCY UNDER WORK ORDER No. <u>2831</u> Date <u>7-27-04</u> Inspector <u>Michael O'Hanrahan</u> CROWN AVIATION AVIONICS FAA REPAIR STATION IH6R613N

DATE	AIRFRAME TIME IN SERVICE	AVIONICS TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
8/1/08	2110.7		<p>MFG <u>King</u> MODEL <u>KT76</u> S/N <u>25411</u></p> <p>THE TRANSPONDER IDENTIFIED ABOVE WAS INSPECTED IN THE AIRCRAFT IN ACCORDANCE WITH FAR 43 APPENDIX F AS REQUIRED BY FAR 91.413 AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE TEST ARE ON FILE AT THIS AGENCY UNDER WORK ORDER No. <u>8715</u> Date <u>8-1-08</u></p> <p>Inspector <u>Matt C. Hen</u> CROWN AVIATION AVIONICS FAA REPAIR STATION IH6R613N</p> <p>I CERTIFY THAT THE ALTIMETER AND STATIC SYSTEM TESTS REQUIRED BY FAR 91.411 HAVE BEEN PERFORMED. THE ALTIMETER WAS TESTED TO <u>26000</u> FEET ON — DATE OF ALT. TEST <u>8-1-08</u> DATE OF STATIC TEST <u>8-1-08</u> SIGNED <u>Matt C. Hen</u> CERT. NO. IH6R613N CROWN AVIATION AVIONICS</p>
---	2630.6		<p>MFG <u>King</u> MODEL <u>KT76</u> S/N _____</p> <p>THE TRANSPONDER IDENTIFIED ABOVE WAS INSPECTED IN THE AIRCRAFT IN ACCORDANCE WITH FAR 43 APPENDIX F AS REQUIRED BY FAR 91.413 AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE TEST ARE ON FILE AT THIS AGENCY UNDER WORK ORDER No. <u>9517</u> Date <u>8-17-2010</u></p> <p>Inspector <u>Matt C. Hen</u> CROWN AVIATION AVIONICS FAA REPAIR STATION IH6R613N</p> <p>I CERTIFY THAT THE ALTIMETER AND STATIC SYSTEM TESTS REQUIRED BY FAR 91.411 HAVE BEEN PERFORMED. THE ALTIMETER WAS TESTED TO <u>20100</u> FEET ON — DATE OF ALT. TEST <u>8-17-2010</u> DATE OF STATIC TEST <u>8-17-2010</u> SIGNED <u>Matt C. Hen</u> CERT. NO. IH6R613N CROWN AVIATION AVIONICS</p>

ATC TRANSPONDER TESTS REQUIRED BY FAR 91.413 WERE PERFORMED AND COMPLY WITH FAR 43, APP.F, ON MODEL KT76 SN 25419
CORRESPONDENCE CHECK REF. 91.217N 34081
DETAILS ON THIS INSPECTION ON FILE UNDER THIS REPAIR STATION ON W/D 6095
Ed
SIGNATURE _____ DATE 9-24-12
FAA CRS OECR 893K

I certify that the altimeter & static system tests required by F.A.R. Part 91.411 have been performed. The altimeter was tested to 20,000 feet on date 9-24-12
Signature Ed
FAA CRS OECR 883K

DATE	AIRFRAME TIME IN SERVICE	AVIONICS TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
			<p>EXEC AERO, LLC 201 NILSON WAY, ORLANDO, FL 32803 407-420-7934</p> <p>N34081 1976 CESSNA 177RG SN177RG0964 2/19/2016 TACH:162.8</p> <p>REMOVED TURN COORDINATOR (1394T100-7Z SN:9309-51) AND REPLACED TURN COORDINATOR (1394T100-7Z SN:2307-16). REMOVED DIRECTIONAL GYRO (1U262-001-39 SN:1U262-001-39 SN:T722040). REPLACED CENTRAL AIR FILTER (D9-14-5). OPERATIONAL CHECKS COMPLETED. ALL WORK COMPLETED I/A/W CESSNA 177RG SERVICE MANUAL AND AC 43.13-1B.</p> <p><i>Nathan T. Marler</i> NATHAN T. MARLER AP3466392IA</p>

Spaceport Avionics Services, Inc.
7000 Challenger Avenue - Titusville, FL 32780
Spaceportavionics@gmail.com
Telephone - 321-567-4843
CRS# 18SR043D

PILOT SIDE

ALTIMETER TEST AND INSPECTION FORM
FAA FAR 43 Appendix E

A/C REG.# N34081
 Altimeter Make: UNITED
 Model: 5934-1
 Serial No: 16481
 Calibrated To: 28,000 FT
 Work Order No: 7-048M

Approved By: *[Signature]*
Date: 10-9-17

TABLE I		TABLE III		TABLE II	
STD ALT	SCALE ERROR	TOL +/-	FRICTION ERROR	TOL +/-	HYSTERESIS
-1,000	0	20	N/A		50 % MAX ALT <u>0</u> +/- 75 FT
0	0	20	N/A		40 % MAX ALT <u>0</u> +/- 75 FT
500	0	20	N/A		
1,000	0	20	+10	70	After Effect <u>0</u> +/- 30 FT
1,500	0	25	N/A	70	Case Leak <u>0</u> +/- 100 FT
2,000	0	30	+20	70	
3,000	0	30	+20	70	
4,000	-10	35	N/A		
5,000	N/A	0		70	
6,000	0	40	N/A		
8,000	-10	60	N/A		
10,000	-10	80	+10	80	
12,000	+20	90	N/A		
14,000	+10	100	N/A		
15,000	N/A	-10		90	
16,000	-10	110	N/A		
18,000	-10	120	N/A		
20,000	-10	130	-20	100	
22,000		140	N/A		
25,000		155		120	
30,000		180		140	
35,000		205		160	
40,000		230		180	
45,000		255	N/A		
50,000		280		250	

TABLE IV
BAROMETRIC SCALE +/- 25 FT

28.10	-1,720	-1,727
28.50	-1,550	-1,340
29.00	-850	-863
29.50	-320	-392
29.92	+10	0
30.50	+370	531 +
30.90	+700	893 +
30.99	+790	974 +

ATC TRANSPONDER TESTS

The ATC transponder tests are inspection required by FAR 91.413 were performed this date and found to comply with FAR 43, Appendix F.


Make: King
 Model: KT-76
 S/N: 25419

The automatic pressure altitude reporting system was tested to 20,000 ft on date: 10/9/17

Details of this inspection are on file at this facility under Work Order:
 No: 7-048M this date: 10/9/17

A/C Reg No: N34081 Hobbs: 395.4

Inspected by: *[Signature]*
 Spaceport Avionics Services, Inc.
 FAA Repair Station #18SR043D
 Titusville, FL



STATIC PRESSURE SYSTEM CERTIFICATION

I certify that the static system and automatic pressure altitude reporting system tests as required by FAA FAR 91.411 (a) & 91.247 (b) have been performed IAW FAA FAR 43 Appendix E paragraph (a) & (c)

The Static pressure system was tested on date: 10/9/17

The automatic pressure altitude reporting system was tested to: 20,000 Feet

Encoder Model: AR850 SN: 24265

Details of this inspection are on file at this facility under Work Order:

WO #: 7-048M This Date: 10/9/17
 A/C Reg# N34081 Hobbs: 237.7

Inspected by: *[Signature]*

Spaceport Avionics Services, Inc.
 FAA Repair Station #18SR043D



DATE	AIRFRAME TIME IN SERVICE	AVIONICS TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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12/13/2019

Airframe

S/N# 177RG0964

Aircraft Total Time: 10,426.3

Tach: 273.4

Removed aft nav light assembly. Installed uAvionix tailbeacon P/N UAV-1002183-001 Mod 1 S/n 2006692. Installed IAW STC installation guide, Doc. UAV-1002514-001. Used existing OEM position circuits and confirmed appropriate per AC 43.13-1B Chapter 11, Sec. 5/6. Placard installed next to position (nav) switch. Installation approved per STC SA04427CH and AML dated 9/13/2019. Electrical load < 80% of alternator output. W/B negligible. ICA's' contained in DOC UAV-1002513-001. Submitted form 337.

Jerry D Spurlock A&P 3007922IA

18SR043D

LOU

Spaceport Avionics Services, Inc.

Altimeter Test and Inspection Form IAW FAR 43 Appendix E

Table I		Table III		Pilot Side	X	Co-Pilot side
Std Altitude	Scale Error	Tolerance +/-	Friction Error	Tolerance +/-		
-1000	-10	20				
0	2	20				
500	-10	20				
1000	-10	20	10	70	40%	45
1500	-5	25			50%	40
2000	-7	30	15	70		
3000	-6	30	18	70		
4000	-11	35				
5000			20	70	28.10	-10 -1727
6000	-10	40			28.50	-5 -11340
8000	15	60			29.00	-13 -863
10000	20	80	60	80	29.50	-2 -392
12000	40	90			29.92	0 0
14000	50	100			30.50	9 531
15000			80	90	30.90	12 893
16000	80	110			30.99	15 974
18000	100	120				
20000	100	130	100	100		
22000	NA	140				
25000	NA	155				
30000	NA	180				
35000	NA	205				
40000	NA	230				
45000	NA	255				
50000	NA	180				
			250			

Table II
Hysteresis +/- 75'
Altitude

Table IV
Barometric Scale +/- 100'


Altitude	Barometric Scale +/- 100'
28.10	-10 -1727
28.50	-5 -11340
29.00	-13 -863
29.50	-2 -392
29.92	0 0
30.50	9 531
30.90	12 893
30.99	15 974

Altimeter
Make: united
Model: 5934-1
SN: N6485

Pitot Static Test Set
Make: Preston
Model: PS-525
SN: 101130
Cal Due: 7/17/20

Aircraft Make: Cessna A/C Model: C177RG WO # 19-218M
Aircraft Tail #: N34081
Tested/Inspected by: *Robert C*
Calibrated to: 20,00ft Date: 12/16/19

Spaceport Avionics Services, Inc.
FAA Repair Station #18SR043D
Titusville, FL 321-567-4843



ALTIMETER CERTIFICATION

I certify the altimeter reporting system required by FAR 91.411 have been performed IAW FAR 43 Appendix E.

LH SN: N6485 Date: 12/16/19 Tested To: 20,000 Feet
 RH SN: N/A Date: N/A Tested To: N/A Feet
 Standby: N/A Date: N/A Tested To: N/A Feet

Altimeter reporting system tested to: 20,000 Feet
 Encoding Altimeter Blind Encoder SN: 24265
 Detail of this test are recorded in WO # 19-218M

Signed: *Robert C*
 Spaceport Avionics Services, Inc.
 FAA Repair Station #18SR043D



ATC TRANSPONDER TESTS

The ATC transponder tests are inspection required by FAR 91.413 were performed this date and found to comply with FAR 43, Appendix F.

Transponder
 Make: King Encoder: Narco
 Model: KT-76 Model: AR-850
 S/N: S/N: 24265

The automatic pressure altitude reporting system was tested to 20,000 feet

Details of this inspection are on file at this facility under Work Order:
WO: 19-218M this date: 12/16/19

A/C Req # N34081 Tach: 273.4

Inspected by: *Robert C*
 Spaceport Avionics Services, Inc.
 FAA Repair Station #18SR043D
 Titusville, FL

