

# AIRCRAFT DESCRIPTION

MANUFACTURER BEECH AIRCRAFT CORP. MODEL A36 ~~DATE OF MFG.~~  
SERIAL NUMBER E-2965 REGISTRATION NUMBER N336P N107KC

REGISTERED OWNER \_\_\_\_\_  
STREET ADDRESS \_\_\_\_\_  
CITY, STATE, ZIP \_\_\_\_\_

OPERATOR \_\_\_\_\_  
STREET ADDRESS \_\_\_\_\_  
CITY, STATE, ZIP \_\_\_\_\_

REGISTERED OWNER \_\_\_\_\_  
STREET ADDRESS \_\_\_\_\_  
CITY, STATE, ZIP \_\_\_\_\_

OPERATOR \_\_\_\_\_  
STREET ADDRESS \_\_\_\_\_  
CITY, STATE, ZIP \_\_\_\_\_

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## Inspection Status

[Check one]

- F.A.R. 91.409 ANNUAL/100 HOUR
- F.A.R. 91.409 PROGRESSIVE
- F.A.R. 135.419 A.T.C.O.
- OTHER

DATE ENTERED \_\_\_\_\_

MAINTENANCE RESPONSIBILITY

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## INSTALLED EQUIPMENT

ITEM	MANUFACTURER	MODEL	SERIAL NO.
ENGINE	<b>CONTINENTAL</b>	10-550-B	R
ENGINE			L
PROPELLER			R
PROPELLER	<b>MCCAULEY</b>	D3A32C409C	L
ENGINE			
ENGINE			
PROPELLER			675989
PROPELLER			951275
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PIEDMONT AVIATION SERVICES, INC.  
 ROANOKE REGIONAL AIRPORT  
 ROANOKE, VIRGINIA  
 FAA REPAIR STATION PIYR320K

COPILOT

ALTIMETER AND PITOT/STATIC SYSTEM TEST  
 Altitude Pressure

Alt. ft.	In. Hg.	Tolerance ft.	Error
-1,000			
0	31.02	-1018	-20
500	29.92	-12	20
1,000	29.38	<del>12</del> 490	20
1,500	28.86	480	20
2,000	28.33	1480	25
3,000	27.82	1980	30
4,000	26.82	2995	30
6,000	25.84	3980	35
8,000	23.98	5965	40
10,000	22.22	7960	40
12,000	20.58	9950	80
14,000	19.03	11950	90
16,000	17.58	13950	100
18,000	16.22	15960	110
20,000	14.94	17960	120
22,000	13.75	19980	130
25,000	12.64		140
30,000	11.10		155
35,000	8.89		180
40,000	7.04		205
45,000	5.54		230
50,000	4.36		255
	3.43		280

Pressure Altitude Difference

In. Hg.	Alt. Dif.	Error Ft.
28.10	-945	-1,727 13 FT
28.50	-545	-1,340 20 FT
29.00	-65	-863 3 FT
29.50	390	-392 13 FT
29.92	795	0 <del>4 FT</del>
30.50	1310	+ 531 16 FT
30.90	1695	+ 893 13 FT
30.00	1774	+ 974 5 FT

FRICITION

Alt. Ft.	Tolerance Ft.	Error
1,000	-70	20
2,000	70	5
3,000	70	10
5,000	70	15
10,000	80	15
15,000	90	20
20,000	100	20
25,000	120	
30,000	140	
35,000	160	
40,000	180	
50,000	250	

Test Tolerance

Test	Tolerance (Feet)	Error (Feet)
Case Leak Test	+100	
Hysteresis Test	20,000	
First test point (50% max alt)	75 10,000	9963
Second test point (40% max alt)	75 8,000	7970
After Effect Test	30	

ALTIMETER MAKE W. T. EDWARDS MODEL PD 5934-3 SERIAL # 0M422

DATE 10/30/95 INSPECTOR J. B. King



ORD

## ALTIMETER & STATIC SYSTEM CHECKS

### F. A. R. 91.170

DATE	MANUFACTURER	MODEL	SERIAL NO.	LOCATION	MAX. ALT.	RECHECK REQUIRED	APPROVED BY: AGENCY CERT. NO.	
8-25-95	<p>I certify that the altimeter and static system test required by FAR Part 91.411 have been performed</p> <p>Static System Test Date 6-30-95.</p> <p>ALTIMTRS: L S/N OK422 Date 5-11-95 Tested To 20,000 Feet</p> <p style="padding-left: 100px;">R S/N N/A Date N/A Tested To N/A Feet</p> <p>STANDBY: S/N N/A Date N/A Tested To N/A Feet</p> <p>AIR DATA COMPUTER:</p> <p style="padding-left: 20px;">S/N N/A Date N/A Tested To N/A Feet</p> <p style="padding-left: 20px;">S/N N/A Date N/A Tested To N/A Feet</p> <p style="text-align: center;"><u>Robert Alliband</u></p> <p style="text-align: center;">Robert Alliband-For Beech Aircraft Corp., DOA, PC#8</p>							
10-30-95	<p>I certify that the altimeter, static system and Altitude Reporting System integration test and inspection required by FAR 91.411 has been performed and was found to be in compliance with Appendix E of FAR part 43.</p> <p>Static System Test Date <u>10/30/95</u></p> <p>Altitude Reporting System Test Date <u>10/30/95</u></p> <p>Altimeters: 486 S/N <u>OM422</u> Date <u>10/30/95</u> Test to <u>20K</u> feet</p> <p>Signature <u>[Signature]</u> For: Piedmont Aviation Services, Inc. F. A. A. Repair Station PIYB320K W/O #: <u>A2595</u></p>				<p>I certify that the following ATC Transponder(s) have been tested and inspected as required by FAR 91.413 and are in compliance with Appendix F of FAR Part 43.</p> <p>#1 Model <u>KT70</u> S/N <u>11822</u></p> <p>#2 Model <u>X</u> S/N <u>X</u></p> <p>Date <u>10/30/95</u></p> <p>Signature <u>[Signature]</u> For: Piedmont Aviation Services, Inc. F. A. A. Repair Station PIYR320K W/O #: <u>A2595</u></p>			



DATE	MANUFACTURER	MODEL	SERIAL NO.	LOCATION	MAX. ALT.	RECHECK REQUIRED	APPROVED BY: AGENCY CERT. NO.
I certify that the altimeter, static system and Altitude Reporting System integration test and inspection required by FAR 91.411 has been performed and was found to be in compliance with Appendix E of FAR part 43.				I certify that the following ATC Transponder(s) have been tested and as required by FAR 91.413 and are in compliance with Appendix F of FAR Part 43.			
Static System Test Date <u>9-18-97</u>				#1 Model <u>RT70</u> S/N <u>11822</u>			
Altitude Reporting System Test Date <u>9-18-97</u>				#2 Model <u>X</u> S/N <u>X</u>			
Altimeters:				Date <u>9-18-97</u>			
LH S/N <u>4486</u> Date <u>9-18-97</u> Test to <u>20K</u> feet				Signature <u>[Signature]</u>			
RH S/N <u>OK422</u> Date <u>9-18-97</u> Test to <u>20K</u> feet				For: Piedmont Aviation Services, Inc. E. A. A. Repair Station P1YR320K W/O # <u>A3487</u>			
Air Data Computer:							
S/N <u>N/A</u> Date <u>N/A</u> Test to <u>N/A</u> feet							
Signature <u>[Signature]</u>							
For: Piedmont Aviation Services, Inc. E. A. A. Repair Station P1YR320K W/O # <u>A3487</u>							



PIEDMONT AVIATION SERVICES, INC.  
ROANOKE REGIONAL AIRPORT  
ROANOKE, VIRGINIA  
FAA REPAIR STATION PITR320K

ALTIMETER AND PITOT/STATIC SYSTEM TEST  
Altitude Pressure

Alt. ft.	In. Hg.	Tolerance ft. Error
-1,000	31.02	-20 <i>SFT</i>
0	29.92	20 <i>SFT</i>
500	29.78	20 <i>SFT</i>
1,000	29.66	20 <i>10FT</i>
1,500	29.57	25 <i>10FT</i>
2,000	29.48	30 <i>10FT</i>
2,500	29.40	35 <i>10FT</i>
3,000	29.32	40 <i>10FT</i>
3,500	29.24	45 <i>10FT</i>
4,000	29.16	50 <i>10FT</i>
4,500	29.08	55 <i>10FT</i>
5,000	29.00	60 <i>10FT</i>
5,500	28.92	65 <i>10FT</i>
6,000	28.84	70 <i>10FT</i>
6,500	28.76	75 <i>10FT</i>
7,000	28.68	80 <i>10FT</i>
7,500	28.60	85 <i>10FT</i>
8,000	28.52	90 <i>10FT</i>
8,500	28.44	95 <i>10FT</i>
9,000	28.36	100 <i>10FT</i>
9,500	28.28	105 <i>10FT</i>
10,000	28.20	110 <i>10FT</i>
10,500	28.12	115 <i>10FT</i>
11,000	28.04	120 <i>10FT</i>
11,500	27.96	125 <i>10FT</i>
12,000	27.88	130 <i>10FT</i>
12,500	27.80	135 <i>10FT</i>
13,000	27.72	140 <i>10FT</i>
13,500	27.64	145 <i>10FT</i>
14,000	27.56	150 <i>10FT</i>
14,500	27.48	155 <i>10FT</i>
15,000	27.40	160 <i>10FT</i>
15,500	27.32	165 <i>10FT</i>
16,000	27.24	170 <i>10FT</i>
16,500	27.16	175 <i>10FT</i>
17,000	27.08	180 <i>10FT</i>
17,500	27.00	185 <i>10FT</i>
18,000	26.92	190 <i>10FT</i>
18,500	26.84	195 <i>10FT</i>
19,000	26.76	200 <i>10FT</i>
19,500	26.68	205 <i>10FT</i>
20,000	26.60	210 <i>10FT</i>
20,500	26.52	215 <i>10FT</i>
21,000	26.44	220 <i>10FT</i>
21,500	26.36	225 <i>10FT</i>
22,000	26.28	230 <i>10FT</i>
22,500	26.20	235 <i>10FT</i>
23,000	26.12	240 <i>10FT</i>
23,500	26.04	245 <i>10FT</i>
24,000	25.96	250 <i>10FT</i>
24,500	25.88	255 <i>10FT</i>
25,000	25.80	260 <i>10FT</i>
25,500	25.72	265 <i>10FT</i>
26,000	25.64	270 <i>10FT</i>
26,500	25.56	275 <i>10FT</i>
27,000	25.48	280 <i>10FT</i>
27,500	25.40	285 <i>10FT</i>
28,000	25.32	290 <i>10FT</i>
28,500	25.24	295 <i>10FT</i>
29,000	25.16	300 <i>10FT</i>
29,500	25.08	305 <i>10FT</i>
30,000	25.00	310 <i>10FT</i>

Pressure Altitude Difference

In. Hg.	Alt. Dif.	Error Ft.
28.10	742	1,727 <i>OFT</i>
28.50	740	1,740 <i>SFT</i>
29.00	730	883 <i>SFT</i>
29.50	725	392 <i>SFT</i>
30.00	715	0 <i>OFT</i>
30.50	705	531 <i>OFT</i>
31.00	695	893 <i>OFT</i>
31.50	685	574 <i>OFT</i>

FRICITION

Alt. Ft.	Tolerance Ft. Error
1,000	-70 <i>SFT</i>
2,000	70 <i>SFT</i>
3,000	70 <i>SFT</i>
4,000	70 <i>SFT</i>
5,000	70 <i>SFT</i>
10,000	80 <i>SFT</i>
15,000	95 <i>10FT</i>
20,000	100 <i>10FT</i>
25,000	110 <i>10FT</i>
30,000	120 <i>10FT</i>
35,000	130 <i>10FT</i>
40,000	140 <i>10FT</i>
45,000	150 <i>10FT</i>
50,000	160 <i>10FT</i>

Test Tolerance

Test	Tolerance (Feet)	Error (Feet)
Case Leak Test	-100	5 <i>FT</i>
Hysteresis Test	20	
First test point (50% max alt)	75	<i>OK</i>
Second test point (40% max alt)	75	<i>OK</i>
After Effect Test	30	<i>OK</i>

ALTIMETER MAKE BIK MODEL Red 346 SERIAL # 4436  
DATE 9-18-97 INSPECTOR [Signature]

PIEDMONT AVIATION SERVICES, INC.  
ROANOKE REGIONAL AIRPORT  
ROANOKE, VIRGINIA  
FAA REPAIR STATION PITR320K

ALTIMETER AND PITOT/STATIC SYSTEM TEST  
Altitude Pressure

Alt. ft.	In. Hg.	Tolerance ft. Error
-1,000	31.02	-20 <i>20FT</i>
0	29.92	20 <i>15FT</i>
500	29.78	20 <i>15FT</i>
1,000	29.66	20 <i>10FT</i>
1,500	29.57	25 <i>10FT</i>
2,000	29.48	30 <i>10FT</i>
2,500	29.40	35 <i>10FT</i>
3,000	29.32	40 <i>10FT</i>
3,500	29.24	45 <i>10FT</i>
4,000	29.16	50 <i>10FT</i>
4,500	29.08	55 <i>10FT</i>
5,000	29.00	60 <i>10FT</i>
5,500	28.92	65 <i>10FT</i>
6,000	28.84	70 <i>10FT</i>
6,500	28.76	75 <i>10FT</i>
7,000	28.68	80 <i>10FT</i>
7,500	28.60	85 <i>10FT</i>
8,000	28.52	90 <i>10FT</i>
8,500	28.44	95 <i>10FT</i>
9,000	28.36	100 <i>10FT</i>
9,500	28.28	105 <i>10FT</i>
10,000	28.20	110 <i>10FT</i>
10,500	28.12	115 <i>10FT</i>
11,000	28.04	120 <i>10FT</i>
11,500	27.96	125 <i>10FT</i>
12,000	27.88	130 <i>10FT</i>
12,500	27.80	135 <i>10FT</i>
13,000	27.72	140 <i>10FT</i>
13,500	27.64	145 <i>10FT</i>
14,000	27.56	150 <i>10FT</i>
14,500	27.48	155 <i>10FT</i>
15,000	27.40	160 <i>10FT</i>
15,500	27.32	165 <i>10FT</i>
16,000	27.24	170 <i>10FT</i>
16,500	27.16	175 <i>10FT</i>
17,000	27.08	180 <i>10FT</i>
17,500	27.00	185 <i>10FT</i>
18,000	26.92	190 <i>10FT</i>
18,500	26.84	195 <i>10FT</i>
19,000	26.76	200 <i>10FT</i>
19,500	26.68	205 <i>10FT</i>
20,000	26.60	210 <i>10FT</i>
20,500	26.52	215 <i>10FT</i>
21,000	26.44	220 <i>10FT</i>
21,500	26.36	225 <i>10FT</i>
22,000	26.28	230 <i>10FT</i>
22,500	26.20	235 <i>10FT</i>
23,000	26.12	240 <i>10FT</i>
23,500	26.04	245 <i>10FT</i>
24,000	25.96	250 <i>10FT</i>
24,500	25.88	255 <i>10FT</i>
25,000	25.80	260 <i>10FT</i>
25,500	25.72	265 <i>10FT</i>
26,000	25.64	270 <i>10FT</i>
26,500	25.56	275 <i>10FT</i>
27,000	25.48	280 <i>10FT</i>
27,500	25.40	285 <i>10FT</i>
28,000	25.32	290 <i>10FT</i>
28,500	25.24	295 <i>10FT</i>
29,000	25.16	300 <i>10FT</i>
29,500	25.08	305 <i>10FT</i>
30,000	25.00	310 <i>10FT</i>

Pressure Altitude Difference

In. Hg.	Alt. Dif.	Error Ft.
28.10	750	1,727 <i>2FT</i>
28.50	735	1,340 <i>10FT</i>
29.00	720	883 <i>2FT</i>
29.50	705	392 <i>8FT</i>
30.00	695	0
30.50	685	531 <i>2FT</i>
31.00	675	893 <i>2FT</i>
31.50	665	574 <i>11FT</i>

FRICITION

Alt. Ft.	Tolerance Ft. Error
1,000	-70 <i>SFT</i>
2,000	70 <i>20FT</i>
3,000	70 <i>25FT</i>
4,000	70 <i>40FT</i>
5,000	70 <i>55FT</i>
10,000	80 <i>10FT</i>
15,000	95 <i>10FT</i>
20,000	100 <i>10FT</i>
25,000	110 <i>10FT</i>
30,000	120 <i>10FT</i>
35,000	130 <i>10FT</i>
40,000	140 <i>10FT</i>
45,000	150 <i>10FT</i>
50,000	160 <i>10FT</i>

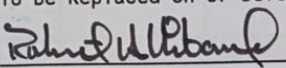
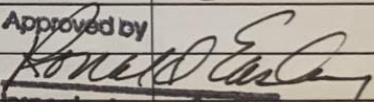
Test Tolerance

Test	Tolerance (Feet)	Error (Feet)
Case Leak Test	-100	0 <i>FT</i>
Hysteresis Test	20	
First test point (50% max alt)	75	<i>10FT</i>
Second test point (40% max alt)	75	<i>10FT</i>
After Effect Test	30	<i>SFT</i>

ALTIMETER MAKE UNITED MODEL 5734-3 SERIAL # OK420  
DATE 9-18-97 INSPECTOR [Signature]



## RADIO & ELECTRONIC CHECKS

DATE	TOTAL TIME	EQUIPMENT CHECKED	TYPE OF CHECK	ERROR OR RESULTS	NEXT CHECK DUE	CHECKED BY: SIGNATURE — CERT. NO.
8-25-95			Emergency Locator Transmitter Battery To Be Replaced on or Before 5-97			<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">                       Robert Alliband                      For Beech Aircraft Corp., DOA, PC#8                 </div> <p>In accordance with F.A.R. 91.171 Omni directional receivers were found to be accurate to within <u>± 3</u> degrees <u>Ict</u> Place</p> <p><u>Kent C. Kelly</u> Pilot or Radio - Crew Chief      Date <u>8/25/95</u></p>
4 Jun 99	269.7		REPLACED LEFT HAND STATIC PORT HOSE. STATIC SYSTEM LEAK CHECKS GOOD.			Approved by  Inspector for <u>A2621</u> Piedmont Aviation Services, Inc. Norfolk, Va. FAA Repair Station PIQR321K



## RADIO & ELECTRONIC CHECKS

TOTAL TIME	EQUIPMENT CHECKED	TYPE OF CHECK	ERROR OR RESULTS	NEXT CHECK DUE	CHECKED BY: SIGNATURE — CERT.
269.7		<p><b>THE ATC TRANSPONDER TESTS REQUIRED BY FAR 91.410 HAVE BEEN PERFORMED AND FOUND TO COMPLY WITH THE REQUIREMENTS OF FAR 43 APPENDIX F.</b></p> <p>ATC TDR #1 <u>4 Jun. 99</u> ATC TDR #2 <u>—</u></p> <p style="text-align: center;">DATE DATE</p> <p>BY <u>Angel S. Rodriguez</u> IIO <u>A2585</u></p> <p style="text-align: center;">INSPECTOR FOR</p> <p style="text-align: center;">Medison Aviation Services, Inc. Norfolk Intl Airport Norfolk, Virginia PEROMIK</p> <p><b>THE ALTIMETER, PRESSURE ALTITUDE REPORTING AND STATO SYSTEM TESTS REQUIRED BY FAR 91.411 HAVE BEEN PERFORMED AND FOUND TO MEET THE REQUIREMENTS OF FAR 43 APPENDIX B &amp; F</b></p> <p>ALTIMETER <u>20,000</u> FT <u>4 Jun. 99</u> DATE</p> <p>STATO <u>20,000</u> FT <u>4 Jun. 99</u> DATE</p> <p>STATO SYS <u>1,500</u> FT <u>4 Jun. 99</u> DATE</p> <p>SISTEM TESTED PILOT/COPILOT <u>BOTH</u></p> <p>BY <u>Angel S. Rodriguez</u> IIO <u>A2585</u></p> <p style="text-align: center;">INSPECTOR FOR</p> <p style="text-align: center;">Medison Aviation Services, Inc. Norfolk Intl Airport Norfolk, Virginia PEROMIK</p>			



DATE	TOTAL TIME	EQUIPMENT CHECKED	TYPE OF CHECK	ERROR OR RESULTS	NEXT CHECK DUE	CHECKED BY: SIGNATURE — CERT. NO.
11 JUNE 01	574.2 (HOURS)					
<b>THE ALTIMETER, PRESSURE ALTITUDE REPORTING AND STATIC SYSTEM TESTS REQUIRED BY FAR 91.411 HAVE BEEN PERFORMED AND FOUND TO MEET THE REQUIREMENTS OF FAR 43 APPENDIX E &amp; F.</b>				<b>THE ATC TRANSPONDER TESTS REQUIRED BY FAR 91.413 HAVE BEEN PERFORMED AND FOUND TO COMPLY WITH THE REQUIREMENTS OF FAR 43 APPENDIX F.</b>		
ALTIMETER	20,000 FT	11 JUNE 01	DATE	ATC TDR #1	11 JUNE 01	ATC TDR #2 <u>n/a</u>
ENCODER	20,000 FT	11 JUNE 01	DATE	BY	<u>Angelo P. DeCruz</u> WO <u>A-735</u>	
STATIC SYS	1,500 FT	11 JUNE 01	DATE	INSPECTOR FOR		
SYSTEM TESTED PILOT/COPILOT			BOTH	Piedmont Aviation Services, Inc. Norfolk Int'l Airport Norfolk, Virginia P1QR321K		
BY			<u>Angelo P. DeCruz</u>	WO <u>A-735</u>		
			INSPECTOR FOR	Piedmont Aviation Services, Inc. Norfolk Int'l Airport Norfolk, Virginia P1QR321K		

DATE	TOTAL TIME	EQUIPMENT CHECKED	TYPE OF CHECK	ERROR OR RESULTS	NEXT CHECK DUE	CHECKED BY: SIGNATURE — CERT. NO.
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## RADIO & ELECTRONIC CHECKS



**PIEDMONT AVIATION SERVICES inc**

Roanoke Regional Airport • 22 Waypoint Drive NW • Roanoke, VA 24012  
REPAIR STATION #P1YR320X

#: 336P      AC S/N: E-2965      DATE: 11/06/95      HOBBS: 11.7      AC TT: 11.7

Installed avionics to include Nav/Coms, Audio Panel, Transponder, ADF, DME, GPS, Auto Pilot, Stormscope, Graphic Engine Monitor, and Argus Moving Map. Refer to FAA Forms 337's dated November 6, 1995. The KLN-90B GPS is approved for testing purposes only pending final field approval and performance testing and this provision will end upon such approval. --BND--

APPROVED BY: *Joseph J. Lovickel*  
 Inspector for Piedmont Aviation Services, Inc.  
 Roanoke, VA RS-P1YR320X  
 V.O.# A2595  
 Date 11/6/95      AC TT 11.7



# MAINTENANCE RECORD

## F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED/REPAIR DATA	AGENCY & CERTIFICATE NO.
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# PIEDMONT AVIATION SERVICES inc

Roanoke Regional Airport • 22 Waypoint Drive NW • Roanoke, VA 24012  
REPAIR STATION #P1YR320K

N#: 336P AC S/N: E-2965 DATE: 09-20-95 HOUR METER: 11.7 AC TT: 11.7

Removed right exhaust system and reinstalled after repair by Dawley Aviation under their w/o 47376. --END--

APPROVED BY: *WHL*  
Inspector for Piedmont Aviation Services, Inc.

W.O.# 31020  
Date 09-20-95 ACTT 11.7



# PIEDMONT AVIATION SERVICES inc

Roanoke Regional Airport • 22 Waypoint Drive NW • Roanoke, VA 24012  
REPAIR STATION #P1YR320K

N#: 336P AC S/N: E-2965 DATE: 01-08-96 HOUR METER: 14.7 AC TT: 14.7

Removed shimmy damper and disassembled. Replaced all o-rings, reassembled, serviced, and reinstalled --END--

APPROVED BY: *WHL*  
Inspector for Piedmont Aviation Services, Inc.

W.O.# 31336  
Date 01-08-96 ACTT 14.7

DATE OF  
COMPLETION



N#: 336P

Removed r  
APPROVED  
Inspector  
Roanoke,  
W.O.#

Date



**Maintenance Release**

The aircraft, airframe, aircraft engine, propeller or appliance identified below was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

Pertinent details of the repairs are on file at this repair station under Work Order # 47376

Dated 091495

Inspected By *Paul Thomas*

Cert. # \_\_\_\_\_

**SERVICEABLE**

Name Piedmont Aviation Service

Unit exhaust system components

Aircraft Beech A 36 ID# \_\_\_\_\_

Disposition repaired

Reason For Removal \_\_\_\_\_

Removed By \_\_\_\_\_ Date \_\_\_\_\_

A D or Service  
Bulletins \_\_\_\_\_

Work  
Performed \_\_\_\_\_

FAA Certificate No. NJ5R069N

**DAWLEY AVIATION**

140 INDUSTRIAL DR.  
BURLINGTON, WI 53105  
1-800-338-5420

TS



**PIEDMONT AVIATION SERVICES inc**

Roanoke Regional Airport • 22 Waypoint Drive NW • Roanoke, VA 24012  
REPAIR STATION #P1YR320K

N#: 336P

AC S/N: E-2965

DATE: 01-08-96

HOUR METER: 14.7

AC TT: 14.7

Removed shimmy damper and disassembled. Replaced all o-rings, reassembled, serviced, and reinstalled --END--

APPROVED BY: *Paul Thomas*  
Inspector for Piedmont Aviation Services, Inc.

Roanoke, VA RS-P1YR320K

W.O.# 31336

Date 01-08-96

ACTT 14.7



MAINTENANCE RECORD  
F.A.R. 43.9



**PIEDMONT AVIATION SERVICES inc**  
Roanoke Regional Airport • 22 Waypoint Drive NW • Roanoke, VA 24012  
REPAIR STATION #PVR320K

N#: 336P AC S/N: E-2965 DATE: 02-16-96 HOUR METER: 34.2 AC TT: 34.2

Removed co-pilots artificial horizon p/n 102-380016-3, s/n T56731K, and installed new indicator p/n 102-380016-3, s/n T56459K. Ops checked good. Dressed propeller as required. Removed OAT indicator and installed new indicator p/n 35-380019-5. --END--

APPROVED BY: *Bill Beck*

Inspector for Piedmont Aviation Services, Inc.

Roanoke, VA RS-PYR320K

W.O.# 31427

Date 02-16-96 ACTT 34.2



**PIEDMONT AVIATION SERVICES inc**  
Roanoke Regional Airport • 22 Waypoint Drive NW • Roanoke, VA 24012  
REPAIR STATION #PVR320K

N#: 107KC AC S/N: E-2965 DATE: 06-14-96 HOUR METER: 69.2 AC TT: 69.2

Complied with SB 2693, Interior Door Handles, by visual and operational inspection. No discrepancies noted. Serviced air conditioning with Freon. Adjusted air conditioning drive belt tension. --END--

APPROVED BY:

Inspector for Piedmont Aviation Services, Inc.

Roanoke, VA RS-PYR320K

W.O.# 31764

Date 06-14-96 ACTT 69.2



## MAINTENANCE RECORD F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
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**PIEDMONT AVIATION SERVICES inc**

Roanoke Regional Airport • 22 Waypoint Drive NW • Roanoke, VA 24012  
REPAIR STATION #P1YR320K

N# 107KC S/N: E3965      DATE: 10/2/96      HOURMETER:      AC TT: 85.2      CYCLES:

This Avionics Memory Map was configured and the Avionics Memory Map system was functionally tested on the aircraft and its operation was found to be satisfactory. Pertinent details are kept on file at Piedmont Aviation Services, Inc. Roanoke, Virginia. --END--  
 In reference to the work listed above, this aircraft was found in airworthy condition and was approved for return to service. James King  
 Inspector for Piedmont Aviation Services, Inc.  
 Roanoke, VA. RS-P1YR320K  
 W.O.# A3965

DATE 10/2/96      ACTT \_\_\_\_\_

N# 107KC S/N: E3965      DATE: 10/2/96      HOURMETER:      AC TT: 88.2      CYCLES:

This Avionics back lighting was repaired and the Avionics back lighting system was functionally tested on the aircraft and its operation was found to be satisfactory. Pertinent details are kept on file at Piedmont Aviation Services, Inc. Roanoke, Virginia. --END--  
 In reference to the work listed above, this aircraft was found in airworthy condition and was approved for return to service. James King  
 Inspector for Piedmont Aviation Services, Inc.  
 Roanoke, VA. RS-P1YR320K  
 W.O.# A3936

DATE 10/2/96      ACTT \_\_\_\_\_









**MAINTENANCE RECORD  
F.A.R. 43.9**



**PIEDMONT AVIATION SERVICES INC**  
Roanoke Regional Airport • 22 Waypoint Drive NW • Roanoke, VA 24012  
REPAIR STATION #P79320K

**№:** 107KC    **S/N:** E-2965    **DATE:** 9-22-97    **HOURMETER:** 140.8    **ACTT:** 140.8

Performed a Annual Inspection using Beechcraft Inspection Form P/N 98-32227H as a guide. Complied with AD 97-16-10, Rapco filters, dated Sept. 18, 1997. No Rapco filter installed. Complied with AD 76-07-12, Bendix Ignition Switch, dated August 30, 1977, by performing operational test in accordance with paragraph (1) of AD. No discrepancies noted. AD 76-07-12 next due at ACTT 240.8. AD 97-14-15, Unintentional opening of cabin doors, dated 9-2-97, was complied with on 6-14-96, at ACTT 69.2, by inspection in accordance with SB 2693. Cleaned fuel strainer drain valve. Expanded #4 cylinder shimmy damper and reinstalled. Dressed and painted propeller as required. Reattached seal on induction air filter. Replaced nose gear tow pin. Serviced exhaust slip joint and reinstalled. Shimmed propeller spinner as required. Adjusted main and nose gear up-lock tensions. Adjusted main gear up-stop bolts. Adjusted main gear up-lock roller clearances. Replaced seal on right wing fuel drain. -END-

I inspected the Altex ELT 110-4, SN 454754 ELT system in this aircraft according to applicable Aircraft and ELT manufacturer's instructions and applicable FAA guidance and found that it meets the requirements of FAR 91.207(d). The ELT battery expires on June 99.

In reference to the work listed above, this aircraft was found in Airworthy condition and was approved for return to service. APR 20 1998

I.A. 0136518  
W.O.# 32819  
DATE 09-22-97 ACTT 140.8

I certify that this aircraft has been inspected in accordance with an Annual Inspection and was determined to be in Airworthy condition.  
APPROVED BY: APR 20 1998  
I.A. 0136518  
W.O.# 32819  
Date 09-22-97 ACTT 140.8


1. UNITED
4. Organization
5. Item
7. 1
11. Remarks <b>Work</b> D.E.
14. New Narrow Overhaul Certified (and the name of the in Block (3 new items) are NOTE: In case of parts to
15. Signature
17. Name (typed or f

FAA Form 8130-3 (1-14)



# FAA FORM 8130-3

## AIRWORTHINESS APPROVAL TAG

1. UNITED STATES

2. **600731**

3. System Tracking Ref. No. **600731**

4. Organization: **J.D. GAPELLAINE Co. CENTRAL**  
Georgetown Municipal Airport, 301 Toledo Trail  
 Georgetown, TX 78626

5. Work Order, Contract, or Invoice Number: **600731**  
W.O. # **600731**

U.S. Department of Transportation  
 Federal Aviation Administration  
800/422-4556 or 512/863-7298  
 (Fax) 512/863-2810  
 FAA Bruns Annex No. J7DR707N

6. Item	7. Description	8. Part Number	9. Eligibility*	10. Quantity	11. Serial / Batch Number	12. Status / Work
1	D.G.	583800143	CSA	1	T42804F	<input type="checkbox"/> Overhaul <input checked="" type="checkbox"/> Repair <input type="checkbox"/> Bench Check & Test

13. Remarks: **Work Order # 600731**  
 describing work performed on this component is attached to this form, and is on file at this facility in accordance with FAA regulations

*Limited life parts must be accompanied by maintenance history including total / total cycles / times since new.*

14. New   
 Newly Overhauled

19. Return to Service in Accordance with FAR 43.9

15. Signature: \_\_\_\_\_  
Certifies that the new or newly overhauled part(s) identified above, except as otherwise specified in Block 13 was (were) manufactured in accordance with FAA approved design data and dimensions. NOTE: In case of parts to be approved, the special requirements of the importing country have been met.

20. Authorized Signature: **R.A. HOKE**  
Certifies that the work specified in Block 13 (or attached) above was carried out in accordance with FAA airworthiness regulations, and in respect to the work performed the part(s) is (are) approved for return to service.

17. Name (Typed or printed): \_\_\_\_\_

22. Name (Typed or printed): **R.A. HOKE**

21. Certificate Number: **J7DR707N**

18. Date: \_\_\_\_\_

23. Date: **9/18/97**

FAA Form 8130-3 (11-93)

\* (Optional) Insider must cross check eligibility with applicable technical data

8 t 18, 1997.  
 dance with  
 dated 9-2-  
 yllinder  
 n/wood  
 p bolts.







# MAINTENANCE RECORD F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
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**PIEDMONT AVIATION SERVICES inc**

Roanoke Regional Airport • 22 Waypoint Drive NW • Roanoke, VA 24012  
REPAIR STATION #PVR320K

#: 107KC S/N: E-2965 DATE: 11-12-97 HOURMETER: 157.6 ACTT: 157.6  
Removed pressure system regulator P/N 2H30-35, S/N 8AK, and installed new regulator P/N 2H30-35, S/N S5AN. Adjusted pressure per maintenance manual. Ops checked good. -END-  
In reference to the work listed above, this aircraft was found in Airworthy condition and was approved for return to service. *ALFRED L. REVELS* Alfred L. Revels  
Inspector for Piedmont Aviation Services, Inc.  
Roanoke, VA. RS-PYR320K  
W.O.# 33008  
DATE 11-12-97 ACTT 157.6



**PIEDMONT AVIATION SERVICES inc**

Roanoke Regional Airport • 22 Waypoint Drive NW • Roanoke, VA 24012  
REPAIR STATION #PVR320K

#: 107KC S/N: E-2965 DATE: 06-24-98 HOURMETER: 200.8 ACTT: 200.8  
Installed new nose, left, and right main tires. Serviced wheel bearings and reinstalled. Serviced air conditioner. -END-  
In reference to the work listed above, this aircraft was found in Airworthy condition and was approved for return to service. *ALFRED L. REVELS* Alfred L. Revels  
Inspector for Piedmont Aviation Services, Inc.  
Roanoke, VA. RS-PYR320K  
W.O.# 33515  
DATE 06-24-98 ACTT 200.8



# INSPECTION RECORD

## F.A.R. 43.11-91.409

NO.  
TO SERVICE

DATE

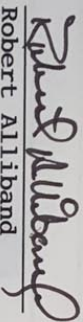
AIRCRAFT TIME  
IN SERVICE

KIND OF INSPECTION - STATUS & DISCREPANCY LIST  
SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE

8-25-95

6:55  
11 cycles

I Have Inspected This Aircraft And Issued  
A Standard Airworthiness Certificate  
Dated 8-25-95.



Robert Alliband  
FOR BECH AIRCRAFT CORP.  
Delegation Option PC#8

43

# INSPECTION RECORD

## F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE

KIND OF INSPECTION - STATUS & DISCREPANCY LIST  
CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE



**PIEDMONT AVIATION SERVICES INC.**

Roanoke Regional Airport • 22 Waypoint Drive NW • Roanoke, VA 24012  
 REPAIR STATION #P1VRS20K

N#: 107KC      S/N: E-2965      DATE: 09-13-96      HOUR METER: 85.1      AC TT: 85.1      CYCLES: - -

Performed a Annual Inspection using Beechcraft Inspection Form p/n 98-32227H as a guide. Weighed aircraft and computed new weight and balance. Torqued all wing bolts. Adjusted nose gear up lock tension. Replaced air conditioner condensor actuator cover. Evacuated air condition system, serviced compressor oil, and reservised system. Replaced clip on right upper forward wing bolt cover. Swung compass and installed correction card. --END--  
 I inspected the Artex ELT 110-4, s/n 454754 ELT system in this aircraft according to applicable Aircraft and ELT manufacture's instructions and applicable FAA guidance and found that it meets the requirements of FAR 91.207(d). The ELT battery expires on MAY 97.

I certify that this aircraft has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.

APPROVED BY: *M. Gaudin*  
 I.A. # 2136580  
 W.O.# 31976  
 Date 9-13-96      ACTT 85.1



Updated & Tested

8221E

12. Status / Work

801E0A

11. Serial / Batch Number

5. Work Order. Contract or Invoice Number

801E0A

F.A.R. 43.11-91.409

KIND OF INSPECTION - STATUS & DISCREPANCY LIST  
REPAIR STATION #PVR320K

SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE

DATE AIRCRAFT TIME IN SERVICE



**PIEDMONT AVIATION SERVICES inc**  
Roanoke Regional Airport • 22 Waypoint Drive NW • Roanoke, VA 24012  
REPAIR STATION #PVR320K

N# 107KC S/N: E 2965 DATE: 1-30-98 HOURMETER: 179.3 ACTT: \_\_\_\_\_  
This KLN-908 G95 was updated & modified and the

satisfactory. Pertinent details are kept on file at Piedmont Aviation Services, Inc. Roanoke, Virginia. --END--  
In reference to the work listed above, this aircraft was found in Airworthy condition and was approved for return to service. Paul Lewis Act SN: 21778

Inspector for Piedmont Aviation Services, Inc.  
Roanoke, VA RS-PIXR320K

W.O.# A3655

DATE 1/30/98 ACTT \_\_\_\_\_

1. UNITED STATES

2.

FAA FORM 8130-

AIRWORTHINESS APPROVAL

U.S. Department of Transportation  
Federal Aviation Administration

4. Organization AlliedSignal Avionics Inc  
Certified Repair Station PR2R093L  
400 N. Rogers Road  
Olathe Kansas 66062 USA

6. Item	7. Description	8. Part Number	9. Eligibility *	10. Quantity
1	KLW90B	066-04031-1121	VARIOUS	1

13. Remarks:  
Updated & Tested per KLW90B-SWA.

Limited life parts must be accompanied by maintenance history including total time / total cycles / time since new.

14. New  Overhauled

Certifies that the new or newly overhauled part(s) identified above, except as otherwise specified in block 13 was (were) manufactured in accordance with FAA approved design data and airworthiness. (Note: in case of parts to be exported, the special requirements of the importing country have been met.)

15. Signature \_\_\_\_\_  
16. FAA Authorization No. \_\_\_\_\_  
17. Name (Typed or Printed) \_\_\_\_\_  
18. Date \_\_\_\_\_

FAA Form 8130-3

Airworthiness Approval  
User/Installer Responsibility

It is important to understand that the existence of this Document alone does not automatically constitute authority to install the part/assembly. Where the user/installer work in accordance with the national regulations of an Airworthiness Authority different than the Airworthiness Authority that his/her Airworthiness Authority accepts parts/components/assemblies from the Airworthiness Authority of the country specified in block 1, statements in block 14 and 19 do not constitute installation certification. In all cases aircraft maintenance records must contain an installation before the aircraft may be flown.

The FAA Form 8130-3 and JAA Form One  
Other countries such as Canada also have equivalent  
FAA FORM 8130-3 (11-93) COMPUTER GENERATED \* (Optional) Installer must cross check eligibility with applicable



## INSPECTION RECORD F.A.R. 43.11-91.409

KIND OF INSPECTION - STATUS & DISCREPANCY LIST  
SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE

DATE	AIRCRAFT TIME IN SERVICE	SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE



**PIEDMONT AVIATION SERVICES INC**  
Roanoke Regional Airport • 22 Waypoint Drive NW • Roanoke, VA 24012  
REPAIR STATION #PVR320X

**#: 107KC    SN: E-2965    DATE: 10-01-98    HOURMETER: 224.6    ACTT: 224.6**

Performed a Annual Inspection using Beechcraft Inspection Form P/N 98-32227H as a guide. Complied with AD 76-07-12, Bendix Ignition Switch, dated August 30, 1977, by performing operational test in accordance with paragraph (1) of AD. No discrepancies noted. AD 76-07-12 next due at ACTT 324.6. Replaced cabin door stay spring. Repaired vacuum gauge light wiring. Replaced anti-chafe tape on cowling. Serviced nose strut with nitrogen. Dressed and painted propeller as required. Replaced one bulb in cabin door light. Adjusted left main gear up-lock roller clearance. Adjusted landing gear box limit switches. Replaced evaporator filter. Removed vacuum pump and installed new pump P/N 442CW, S/N 06AL000405. Replaced inlet and fine filters. Reinstalled cabin fire extinguisher after servicing. Replaced left wheel well aft cover. -END-

I inspected the Atlex ELT 110-4, S/N 454754, ELT system in this aircraft according to applicable Aircraft and ELT manufacturer's instructions and applicable FAA guidance and found that it meets the requirements of FAR 91.207(d). The ELT battery expires on June 99.

In reference to the work listed above, this aircraft was found in Airworthy condition and was approved for return to service. Wilbert Lane Smith  
I.A. 2136530  
W.O.# 32749  
DATE 10-01-98 ACTT 224.6

I certify that this aircraft has been inspected in accordance with an Annual Inspector and was determined to be in Airworthy condition.  
APPROVED BY: Wilbert Lane Smith  
I.A. 2136530  
W.O.# 32749  
Date 10-01-98 ACTT 224.6

# INSPECTION RECORD

## F.A.R. 43.11-91.409

KIND OF INSPECTION - STATUS & DISCREPANCY LIST  
 SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE



**PIEDMONT AVIATION SERVICES inc**  
 Roanoke Regional Airport • 22 Waypoint Drive NW • Roanoke, VA 24012  
 REPAIR STATION #PVR320K

Date:	9/25/98	Tail #:	N107KC	S/N:	E2965	Hobbs:	224.6	Work Order No.:	A- 3996
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Removed and replaced Attitude Gyro KI-256 - Performed Computer alignment IAW Allied Signal MM using KTS151 Test Set - Operationally tested good on ground engine run.

The Attitude Gyro / FS system(s) was/were functionally tested on the aircraft and the operation was found to be satisfactory. Pertinent details are kept on file at Piedmont Aviation Services, Inc., Roanoke, Va. The aircraft is released and returned to service.

*Deann Cuyler*  
 Inspector for Piedmont Aviation Services, Inc. Roanoke, Va.  
 RS-P1Y/R320K

Parts :  
 ADI KI-256 p/n-060-0017-01 s/n off- 20309  
*(clearance)*





# INSPECTION RECORD F.A.R. 43.11-91.409

KIND OF INSPECTION - STATUS & DISCREPANCY LIST  
REPAIR STATION #P1YR320K

DATE AIRCRAFT TIME  
IN SERVICE

SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE



**PIEDMONT AVIATION SERVICES inc**  
Roanoke Regional Airport • 22 Waypoint Drive NW • Roanoke, VA 24012  
REPAIR STATION #P1YR320K

Work Order No.: A- 4073

Date: 11/18/98 Tail #: N107KC S/N: E-2965 Hobbs:

Troubleshoot KLN -90B GPS System - could not duplicate failure - installed loaner ops ck good

The GPS aircraft is released and returned to service.

system(s) was/were functionally tested on the aircraft and the operation was found to be satisfactory. Pertinent details are kept on file at Piedmont Aviation Services, Inc., Roanoke, Va. The

Parts :

066-4031-1121 S/N 21778 Loaner S/N 81825

Inspector For Piedmont Aviation Services, Inc. Roanoke, Va.  
RS-P1YR320K



INSPECTION RECORD  
F.A.R. 43.11-91.409



**PIEDMONT AVIATION SERVICES INC**

Roanoke Regional Airport • 22 Waypoint Drive NW • Roanoke, VA 24012  
REPAIR STATION #PIYR320K

#: 107KC	SN: E-2965	DATE: 12-14-98	HOURMETER: 247.9	ACTT: 247.9
----------	------------	----------------	------------------	-------------

Removed panel light controller P/N 102-384039-1 and installed new controller P/N 102-384039-1, S/N 2007-A. Repaired landing light wiring and replaced landing light bulb. Replaced door stay bracket on cabin door. -END-

In reference to the work listed above, this aircraft

was found in Airworthy condition and was approved for

return to service.

*Alfred L. Revels*  
Alfred L. Revels

Inspector for Piedmont Aviation Services, Inc.

Roanoke, VA, RS-PIYR320K

W.O.# 33945

DATE 12-14-98 ACTT 247.9



**PIEDMONT AVIATION SERVICES INC**

Roanoke Regional Airport • 22 Waypoint Drive NW • Roanoke, VA 24012  
REPAIR STATION #PIYR320K

#: 107KC	SN: E-2965	DATE: 12-28-98	HOURMETER: 247.9	ACTT: 247.9
----------	------------	----------------	------------------	-------------

Complied with AD 95-28-10, Failure of seat restraint system, dated December 24, 1998, by visual inspection of seat belts. Found AD not applicable by manufacturer. No further action required. -END-

In reference to the work listed above, this aircraft

was found in Airworthy condition and was approved for

return to service.

*Alfred L. Revels*  
Alfred L. Revels

Inspector for Piedmont Aviation Services, Inc.

Roanoke, VA, RS-PIYR320K

W.O.# 34036

DATE 12-28-98 ACTT 247.9





**INSPECTION RECORD**  
**F.A.R. 43.11-91.409**



**PIEDMONT AVIATION SERVICES INC**

Roanoke Regional Airport • 22 Waypoint Drive NW • Roanoke, VA 24012  
 REPAIR STATION #PVR320K

#: 107KC	S/N: E-2965	DATE: 03-24-99	HOURMETER: 257.8	ACTT: 257.8
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Complied with AD 99-05-13, Incorrect positioning of fuel selector, dated April 19, 1999, by installing placard P/N 36-920059-1 on the fuel selector in accordance with SB 2670. No further action required. Reinstalled instrument panel light knob. Serviced all tires. -END-

In reference to the work listed above, this aircraft was found in Airworthy condition and was approved for return to service.

*[Signature]*  
 Inspector for Piedmont Aviation Services, Inc.  
 Alfred L. Revels  
 Roanoke, VA. RS-PVRR320K  
 W.O.# 34269  
 DATE 03-24-99 ACTT 257.8

3 JUNE 99	267.9 hrs	PERFORMED AN ANNUAL INSPECTION USING BEECH MODEL 36 INSPECTOR
		GUIDE 98-322229H A05 RESEARCHED UPTD 6W 99-11. AD
		70-00-12 DOSE NOT APPLY INSPECTED BENDIX GEN. SWITCH DATE
		CODE 1995. REPAIRED INDUCTORY AIR FILTER WITH NEW DIN 35-
		380035-9 NEW DUE JUNE 00 OR 7097.9 HRS AS PER AD 98-00-12.
		LUBED FLIGHT CONTROLS AND LANDING GEAR AS PER CH 12. BALANCED
		PROP TO 11 IPS. VACUUM CHECKED AIRCONDITIONING SYSTEM, NO
		LEAKS FOUND SERVICED WITH 2.22 LBS R134A. REPAIRED AND SQUEE
		SHIMMY DAMPER. ADJUSTED CONTROL WHEEL INTERCONNECT CLAM.
		REPLACED LEFT WING FUEL DRAIN WITH NEW CCA-3100



# INSPECTION RECORD

## F.A.R. 43.11-91.409

DATE AIRCRAFT TIME  
IN SERVICE

SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE  
KIND OF INSPECTION - STATUS & DISCREPANCY LIST

30 JUN 99

26719

REPAIRED ELT BATTERY NEXT DUE JUNE 2001 OPS CHECK GOOD.  
GROUND PWH AND OPS CHECK GOOD. SERVICE STAYS

I INSPECTED THE MAKE/MODEL/SERIAL NUMBER

I certify that this AIRCRAFT has been

REPAIRED TO APPLICABLE AIRCRAFT AND

INSPECTED IN ACCORDANCE WITH ANNUAL

ELT MANUFACTURERS INSTRUCTIONS AND APPLI-

(SERIAL NUMBER 30 GOOD 78-32214)

CABLE FAA GUIDANCE AND FOUND THAT IT MEETS

INSPECTION and has been found satisfactory

THE REQUIREMENTS OF FAR 91.207 (d). THE ELT

DATE 3 JUNE 99 WOF 44789

BATTERY EXPIRES ON JUNE 2001

SIGNATURE [Signature] for PIOR321K

PIOR321K 43199

GOOD [Signature] DATE

Piedmont Aviation Services, Inc. Norfolk, Va.



# INSPECTION RECORD

## F.A.R. 43.11-91.409

DATE AIRCRAFT TIME IN SERVICE

SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE



**PIEDMONT**  
AVIATION SERVICES, INC.  
Norfolk International Airport  
PIOR321K

Date: 6/11/99 T.T. 278.9 Make: Beech Model: A36

Serial No. E8965 Reg. No. 107KC Engine Make: \_\_\_\_\_

Engine Model: \_\_\_\_\_ Engine Serial Number: \_\_\_\_\_

The aircraft or engine log book was not available. This form is to be attached to the log book and becomes part of the permanent records. The following work was performed.

Replaced All Brake Linings P/N 066-10500  
and caliper Pucks @ Rings P/N MS8875-222  
Bleed Brakes, leak and ops checked.  
Good.

Signature [Signature] Certificate No. PIOR321K  
PAS-N007

# INSPECTION RECORD

## F.A.R. 43.11-91.409

DATE AIRCRAFT TIME  
IN SERVICE

KIND OF INSPECTION - STATUS & DISCREPANCY LIST  
SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE

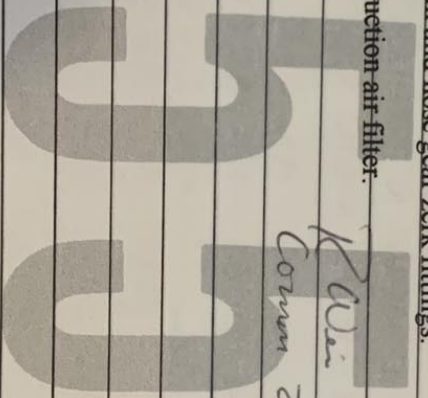
N107KC, S/N: E-2965 Engine IO-550-B, S/N: 675989

09/17/99 ACTT: 321.6 EngTT: 321.6 Hobbbs: 312.6

Greased main and nose gear zerck fittings.

Cleaned induction air filter.

*K. Clain* 9-17-99  
Corvum 2185509







### ASSIGNMENT OF SPECIAL REGISTRATION NUMBERS

Aircraft Make and Model  
BEECH  
Serial Number  
E-2965

A36

1151604

Special Registration Number  
N 215RH  
Present Registration Number  
N 107KC

Issue Date: JULY 28 \* 1999

ICAO AIRCRAFT ADDRESS CODE  
FOR N215RH = 50346641

WEIS ROBERT J  
4132 THALIA DR  
VIRGINIA BEACH VA 23452-2630  
WEIS NEILE R

This is your authority to change the United States registration number on the above described aircraft to the special registration number shown.  
Carry duplicate of this form in the aircraft together with the old registration certificate as interim authority to operate the aircraft pending receipt of revised certificate of registration. Obtain a revised certificate of airworthiness from your nearest Flight Standards District Office.  
The latest FAA Form 8130-6, Application For Airworthiness on file is dated: AUGUST 25 \* 1995  
The airworthiness classification and category: STD UTIL

#### INSTRUCTIONS:

SIGN AND RETURN THE ORIGINAL of this form to the Civil Aviation Registry, AFS-750, within 5 days after the special registration number is affixed on the aircraft. A revised certificate will then be issued. This authority is valid for 90 days from the issue date.

JULY 28 \* 2000

CERTIFICATION: I certify that the special registration number was placed on the aircraft described above.

#### RETURN FORM TO:

Civil Aviation Registry, AFS-750  
P.O. Box 25504  
Oklahoma City, Oklahoma 73125-0504

Signature of Owner:  
Title of Owner:

*Robert J. Weis*

OWNER

Date Placed on Aircraft:

11-20-99

AC Form 8060-44

(6/95) Supersedes Previous Edition






## INSPECTION RECORD F.A.R. 43.11-91.409

DATE AIRCRAFT TIME IN SERVICE

KIND OF INSPECTION - STATUS & DISCREPANCY LIST  
SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE

N215RW S/N: E-2965 Engine IO-550-B S/N: 675989  
 03/11/00 ACTT: 384.7 EngTT: 384.7 Tach: 384.7  
 Removed nose wheel, performed static balance, added balance weight as appropriate, reinstalled wheel. Removed shimmy damper, serviced with MIL-H-5606 hydraulic fluid per Beech Maintenance Manual. Lubricated all nose gear zirk fittings with MIL-G-81322 lubricant per Beech Maintenance Manual. Flight tested aircraft. Nose gear, nose wheel, and shimmy damper operation satisfactory. *RWD on 498540623 ARP*

12 APR 06 461.5 COMPLETED WITH RAYTHEON MSB 53-3341, INSTALLED "MISSING" PLOTS  
 COMPLETED WITH RAYTHEON MSB 29-3265. INSPECTION OF RUBBER COILES  
 NO DEFECTS FOUND. COMPLETED WITH RAYTHEON MSB 53-3159 INSTALLED  
 KIT # 30-4012-19 SIM199 FOR STA 1 WITH SAST  
 WLD \$ 338

*Approved By*  
  
 Inspector for  
 Piedmont Aviation Services Inc.  
 Norfolk, Va.  
 FAA Repair Station P1QR321K



## INSPECTION RECORD F.A.R. 43.11-91.409

KIND OF INSPECTION - STATUS & DISCREPANCY LIST  
CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE

DATE	AIRCRAFT TIME IN SERVICE	SIGNATURE -	ENGINE	TACH	DESCRIPTION
		N215RW	S/N: E-2965	Engine IO-550-B	S/N: 675989
		04/30/00	ACTT: 401.9	EngTT: 401.9	Tach: 401.9
		Removed left & right main wheels, disassembled, cleaned, repacked main wheel bearings with Aeroshell #5 Grease. Reassembled wheels with new Good Year Flight Custom II, 7.00-6, 6 ply tires, performed static balance, added balance weight as appropriate, reinstalled wheels on aircraft, inflated tires to 40 psi. Lubricated main gear zerk fittings with Aeroshell #6 Grease per Beech Maintenance Manual. Serviced aircraft battery. Flight tested aircraft. Operation satisfactory.			
		<i>R. Williams</i> 478540663 ARP			
		N215RW	S/N: E-2965	Engine IO-550-B	S/N: 675989
		06/10/00	ACTT: 428.5	EngTT: 428.5	Tach: 428.5
		Installed new instrument air intake filter, RAPCO RA-D9-14-5. Installed new instrument inline filter, RAPCO RA-114-7. Performed all aircraft lubrication per Beech Maintenance Manual P/N: 35-590001-9 Lubrication Schedule.			
		Checked brake fluid reservoir and added MFF-HF-5606 as required. Check and serviced battery. Added nitrogen to nose wheel strut.			
		<i>R. Williams</i> 478540663 ARP			



# INSPECTION RECORD

## F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE <small>KIND OF INSPECTION - STATUS &amp; DISCREPANCY LIST</small>
		<p>N215RW S/N: E-2965 Engine IO-550-B S/N: 675989</p> <p>06/12/00 ACTT: 428.5 EngTT: 428.5 Tach: 428.5</p> <p>Removed existing Raytheon # 35-380035-7 aircraft induction air filter. Installed new Brackett Air Filter Frame # BA-7210 and Brackett Filter Element # BA-7112 in accordance with STC # SA71GL List No. 1. Reference 337 dated 06-12-00.</p> <p>No change to aircraft weight &amp; balance. Aircraft equipment list revised. Operational check performed. Operation of Air Filter found satisfactory.</p> <p style="text-align: right;"><i>Russ 478540663 A&amp;P</i></p>
		<p>N215RW S/N: E-2965 Engine IO-550-B S/N: 675989</p> <p>06/12/00 ACTT: 428.5 EngTT: 428.5 Tach: 428.5</p> <p>Removed the 90° section of crankcase breather vent tube at top rear of engine, station 39. Installed M-20 Turbo Model 300 Air-Oil separator in accordance with STC # SA02033AT. Reference 337 dated 06-12-00.</p> <p>No change to aircraft weight &amp; balance. Aircraft equipment list revised. Operational flight check performed. Operation of Air-Oil Separator found satisfactory.</p> <p style="text-align: right;"><i>Russ 478540663 A&amp;P</i></p>



**INSPECTION RECORD**  
**F.A.R. 43.11-91.409**

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
22 Jun 00	42855	Performed an Annual Insp IAW Beechcraft Annual Inspection Guide P/N 98-32227H. AD's researched by 2000-10 Biweekly. AD 99-19-01 "Tum crankshaft Failure" DNA by Eng S/N and date of MEG. AD 2000-08-51E "Tum Crankshaft Failure; connecting rod journal fracture" DNA by Engine S/N and date of MEG. C/w Landing gear motor 500 Brush Insp. C/w Starter by Generator 500hr Brush Insp. No Defects noted. Both Inspection next due at 928.5 A.π. Repacked LH Brake Caliper using new O-Rings P/NMS202. Bleed and serviced's system using Mil H-5606 Fluid Replacer Three Attach Bolts P/N AN3-15 at P/H MacCler to Header Flex Joint. Repaired Co Pilot push to talk connector by replacing Pins and resinstalling Molex connector, ops check good. Performed ground run up and system ops checks. No Defects noted. W.O. 5554. End See Sign off next page

Continued →



# INSPECTION RECORD

## F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST
22 Jun 00	428.5	Continued →	I certify that #15 Inspected in accordance with Aircraft Repair Manual Book 1 Fsp Guide PN 98-32274
AT			Inspected and has been found airworthy DATE 22 Jun 00 WOC # 554 Signature <i>[Signature]</i> for PRO321K Piedmont Aviation Services, Inc. Norfolk, Va.
<p>I INSPECTED THE MAKE/MODEL/SERIAL NUMBER  <del>AT 47854</del> ELT SYSTEM IN THIS AIR-            CRAFT ACCORDING TO APPLICABLE AIRCRAFT AND            ELT MANUFACTURERS INSTRUCTIONS AND APPL-            CABLE FAA GUIDANCE AND FOUND THAT IT MEETS            THE REQUIREMENTS OF FAR 91.207 (f). THE ELT            BATTERY EXPIRES ON <u>Jul 2001</u></p>			
SIGNED <i>[Signature]</i>		CERTIFICATE NO. <u>DIQR321K</u>	DATE <u>22 Jun 00</u>
N215RW	S/N: E-2965	Engine IO-550-B	S/N: 675989
08/31/00	ACTT: 466.0	EngTT: 466.0	Tach: 466.0
Replace left main gear brake pads, P/N: 66-105. Performed flight check, brake operation satisfactory. <i>Rudes 478540663 A&amp;P</i>			



## INSPECTION RECORD F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
		<p>N215RW S/N: E-2965 Engine IO-550-B S/N: 675989                      12/05/00 ACTT: 502.6 EngTT: 502.6 Tach: 502.6</p> <p>Complied with AD 2000-24-02, Misrouted Rudder Control Cables, dated December 4, 2000, by previous compliance with Raytheon Aircraft Mandatory Service Bulletin SB 27-3265, Flight Controls - Inspection for Rudder Control Cable Separation, Damage, or Misrouting dated January 2000. See Aircraft Logbook entry dated April 12, 2000.</p> <p style="text-align: center;"><i>R J Wells</i> 478540663 A &amp; P</p>
		<p>N215RW S/N: E-2965 Engine IO-550-B S/N: 675989                      02/05/01 ACTT: 519.6 EngTT: 519.6 Tach: 519.6</p> <p>Complied with AD 2000-26-16, Inspection/Installation of Missing Rivets, dated January 8, 2001, by previous compliance with Raytheon Aircraft Mandatory Service Bulletin SB 53-3341, Fuselage - Inspection/Installation of RH Fuselage Missing Rivets dated September 1999. See Aircraft Logbook entry dated April 12, 2000.</p> <p style="text-align: center;"><i>R J Wells</i> 478540663 A &amp; P</p>







# INSPECTION RECORD

## F.A.R. 43.11-91.409

DATE AIRCRAFT TIME  
IN SERVICE

KIND OF INSPECTION - STATUS & DISCREPANCY LIST  
SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE

N215RW S/N: E-2965 Engine IO-550-B S/N: 675989  
06/09/01 ACTT: 574.2 EngTT: 574.2 Tach: 574.2

- Installed new instrument air intake filter, RAPCO RA-D9-14-5.
- Installed new instrument inline filter, RAPCO RA-114-7.
- Installed new Brackett BA7112 induction air filter.
- Checked brake system lines and hoses, discs, linings, parking brake, and fluid reservoir, added MIL-H-5606 as required.
- Brake operational check satisfactory.

- Check and serviced battery.
- Propeller blades inspected and dressed.
- Aircraft struts checked and serviced with nitrogen as required.
- Serviced shimmy damper with MIL-H-5606.
- Cleaned main fuel selector valve strainer screen.
- Firewall air shutoff and cabin heat controls checked and lubed.
- Checked landing gear motor and actuator oil level. Typical brush length 13/32 inches.
- All wheel bearings re-greased and landing gear lubricated.
- Performed all aircraft lubrication per Beech Maintenance Manual P/N: 35-590001-9 Lubrication Schedule.

*R. H. Jones* 478540663 A & P



## INSPECTION RECORD F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
RTM 01	574.2	<p>Performed an Annual Inspection TAU Reaches Pt 436            Annual Long Insp. Guide PN 98-3227H. AD's recorded            thru 2001-10 B's weekly. AD 2001-11-03 KA-33 Cooling            Blower's DNA by Equipment Installation, TAU Reaches            MSB 34-3267 AD 60-00-01 Cassnut oil Filter DNA by            Equipment Installation AD 2000-23-21 DNA by Eng. S/N.            AD 2001-10-09 AEGS KC 225 DNA by Installed Equipment            AD 2000-20-14 Firewall Sealant DNA by ACFT S/N. AD            2001-08-08 Turbocharger-Tailpipe DNA NOT turbocharged            Properly positioned Flap Flex Drive Retainers at            Flap Gearbox TAU MSB 2460. Ops v good. Replaced            LEET Mueller Assy with new unit PN K701-4 S/N 98277            with new attaching hardware. Performed Engine Ground Run            up, leak check and systems ops v good. Performed            annual ELT Corrosion &amp; Operational Check next            due June 2002. See Next page. Per Release            End</p>

over



# INSPECTION RECORD

## F.A.R. 43.11-91.409

KIND OF INSPECTION - STATUS & DISCREPANCY LIST  
 CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE

DATE	AIRCRAFT TIME IN SERVICE	SIGNATURE
18 Jun 01	574.2	Continued →

I certify that this AIRCRAFT has been inspected in accordance with Annual Recd Insp Guide P/N 98-3227H

inspection and has been found airworthy

DATE 18 Jun 01 WO# 82237

Signature [Signature] for PIQR321K

Chadmont Aviation Services, Inc. Norfolk, Va.

I INSPECTED THE MAKE/MODEL/SERIAL NUMBER ARTX/ELT 10454754 ELT SYSTEM IN THIS AIRCRAFT ACCORDING TO APPLICABLE AIRCRAFT AND ELT MANUFACTURERS INSTRUCTIONS AND APPLICABLE FAA GUIDANCE AND FOUND THAT IT MEETS THE REQUIREMENTS OF FAR 91.207 (f). THE ELT BATTERY EXPIRES ON June 2003

SIGNED [Signature] CERTIFICATE NO PTQR31K DATE 18 Jun 01





## INSPECTION RECORD F.A.R. 43.11-91.409

KIND OF INSPECTION - STATUS & DISCREPANCY LIST  
SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE

DATE	AIRCRAFT TIME IN SERVICE	SIGNATURE	CERT. NO.	OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
		N215RW	S/N: E-2965	Engine IO-550-B S/N: 675989
		04/15/02	ACTT: 707.0	EngTT: 707.0 Tach: 707.0
		Removed rubber gasket seal, Beech part number 36-420010-33, from front cabin door. Replaced gasket with Beechcraft doorseal using 3M Scotch-Grip 1300 Rubber and Gasket Adhesive.		
		Lubricated landing gear with MIL-G-81322E (Aeroshell 22) per Beech Maintenance Manual P/N: 35-590001-9 Lubrication Schedule.		
		Visually inspected and cleaned prop per McCauley service instructions, Operator's Manual MPC-11. Dressed nicks and scratches as required per AC43.13-1B, Paragraph 8-73.		
				<i>R. McLean</i> 478540663 A & P
		N215RW	S/N: E-2965	Engine IO-550-B S/N: 675989
		06/20/02	ACTT: 742.0	EngTT: 742.0 Tach: 742.0
		Inspected and tested ARTEX Model 110-4, ELT, S/N 54754 according to applicable aircraft and ELT manufacturer's instructions and applicable FAA guidance and found that the ELT meets the requirements of FAR 91.207(d). ELT battery expires on June 30, 2003.		
				<i>R. McLean</i> 478540663 A & P



# INSPECTION RECORD

## F.A.R. 43.11-91.409

DATE AIRCRAFT TIME  
IN SERVICE

SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE  
KIND OF INSPECTION - STATUS & DISCREPANCY LIST

DATE	AIRCRAFT TIME IN SERVICE	SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST
		N215RW S/N: E-2965 Engine IO-550-B S/N: 675989	
		06/20/02 ACTT: 742.0 EngTT: 742.0 Tach: 742.0	
		<ul style="list-style-type: none"> <li>• Installed new main and standby instrument air intake filters, RAPCO RA-D9-14-5.</li> <li>• Installed new instrument main and standby inline filters, RAPCO RA-114-7.</li> <li>• Installed new Brackett BA7112 induction air filter.</li> <li>• Checked brake system lines and hoses, discs, parking brake, and fluid reservoir, added MIL-H-5606 as required. Replaced all brake pad linings. Brake operational check satisfactory.</li> <li>• Check and serviced battery.</li> <li>• Propeller blades inspected and dressed. Prop hub inspected.</li> <li>• Prop governor inspected. Prop operation satisfactory.</li> <li>• Aircraft struts checked and serviced with nitrogen as required.</li> <li>• Serviced shimmy damper with MIL-H-5606.</li> <li>• Main fuel selector valve strainer screen cleaned.</li> <li>• Firewall air shutoff and cabin heat controls checked and lubed.</li> <li>• Checked landing gear motor and detent at oil level. Typical brush length 13 3/32 inches.</li> <li>• Landing gear electrical and manual operational tests sat.</li> <li>• Landing gear down-lock tension test sat. Left down-lock tension 56 lbs, right 59 lbs, nose gear 58 lbs.</li> <li>• All wheel bearings re-greased and landing gear lubricated.</li> <li>• Replaced A/C belt, Beech P/N: 646293-34.00, and tensioned IAW Beech Maintenance Manual. Air Conditioner tested satisfactorily.</li> <li>• Heater shroud removed. No evidence of muffler cracking or exhaust leakage observed.</li> </ul>	

**CONTINUED NEXT PAGE**

# INSPECTION RECORD F.A.R. 43.11-91.409

DATE AIRCRAFT TIME  
IN SERVICE

SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE  
KIND OF INSPECTION - STATUS & DISCREPANCY LIST

- Standby Gyro and Generator op check satisfactory.
- Performed all aircraft lubrication per Beech Maintenance Manual P/N: 35-590001-9 Lubrication Schedule.

*R. Jones* 478540663 A & P

N215RW S/N: E-2965 Engine IO-550-B S/N: 675989  
06/20/02 ACTT: 742.0 EngTT: 742.0 Tach: 742.0

Oil found leaking from starter adapter at air conditioner drive shaft. Removed starter adapter and replaced oil seal, Beech part number 642686. Reinstalled starter adapter on engine. All work performed in accordance with Beech Maintenance Manual 36-590001-9A19. Performed engine run-up. No leaks detected. Operation satisfactory.

*R. Jones* 478540663 A & P



# INSPECTION RECORD

## F.A.R. 43.11-91.409

KIND OF INSPECTION - STATUS & DISCREPANCY LIST  
SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE

DATE	AIRCRAFT TIME IN SERVICE	SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
		<p>N215RW S/N: E-2965 Engine IO-550-B S/N: 675989 06/20/02 ACTT: 742.0 EngTT: 742.0 Tach: 742.0</p> <p>Oil found leaking from starter adapter at air conditioner drive shaft. Removed starter adapter and replaced oil seal. Beech part number 642686. Reinstalled starter adapter on engine. All work performed in accordance with Beech Maintenance Manual 56-590001-9A19. Performed engine run-up. No leaks detected. Operation satisfactory.</p> <p style="text-align: right;"><i>R. J. Allen</i> 478540663 A &amp; P</p>
		<p>N215RW S/N: E-2965 Engine IO-550-B S/N: 675989 06/26/02 ACTT: 742.0 EngTT: 742.0 Tach: 742.0</p> <p>Oil found leaking from landing gear actuator assembly hand crank. Disassembled actuator hand crank and hand crankshaft housing. Replaced o-ring seal MS28775-111. Reassembled in accordance with Beech Maintenance Manual 56-590001-9A19. Actuator gear box oil level satisfactory. Cycled landing gear. No leaks detected. Operation satisfactory.</p> <p style="text-align: right;"><i>R. J. Allen</i> 478540663 A &amp; P</p>



# INSPECTION RECORD

## F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
		<p>N215RW S/N: E-2965 Engine IO-550-B S/N: 675989            06/28/02 ACTT: 742.0 EngTT: 742.0 Tach: 742.0</p> <p>Removed M-20 Turbo Model 300 Air-Oil Separator from top rear of engine, station 39. Reference Form 337 dated 6-12-00. Reinstaffed original Beech breather tube, part number 35-910007-13 with original attaching hardware in accordance with Beech Manual 36-59001-1G.</p> <p>Reference Form 337 dated 6-28-02.</p> <p>Aircraft weight and balance change negligible.</p> <p style="text-align: center;"><i>Rever</i> 478540663 A &amp; P</p> <p>N215RW S/N: E-2965 Engine IO-550-B S/N: 675989            9/17/02 ACTT: 762.2 EngTT: 762.2 Tach: 762.2</p> <p>Complied with Mandatory Raytheon Aircraft Service Bulletin SB 27-3459, titled "Flight Controls - Flight Control Gust Lock Inspection/Replacement" dated September 2002.</p> <p>Inspected existing flight control gust lock for correct part number, 106-590013-51. The part number is correct for the aircraft.</p> <p>Additional referenced Mandatory Service Bulletin 2527, titled "Modification of Existing Gust Lock and Provision of two Improved Gust Locks" dated September 1995 does not apply by aircraft serial number and Mandatory Service Bulletin 27-3205, titled, "Relocation of Gust Lock Pin Hole and Provision of new Gust Lock" dated November 1998 does not apply by aircraft model number. No further action required.</p> <p style="text-align: center;"><i>Rever</i> 478540663 A &amp; P</p>



# INSPECTION RECORD

F.A.R. 43.11-91.409

DATE AIRCRAFT TIME IN SERVICE SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE

6101 Burton Station Rd.  
Norfolk, VA 23502  
(757) 857-3413



**PIEDMONT**  
HAWTHORNE

Raytheon Service  
CRS# PIQR321K  
[www.flypiedmont.com](http://www.flypiedmont.com)

Aircraft N215RW  
Make Beechcraft  
Serial # E-2965

Aircraft Time: 742  
Model A-36  
Date: 6/28/02

1. Reviewed aircraft records for instructions for continued airworthiness and inserted list in aircraft records.
2. AD 2001-23-10 Flap Flex Shaft Separation does not apply by aircraft S/N and no flap flex shafts installed during affected dates.
3. Airworthiness Directives has been researched through Bi-Weekly 2002-12

I certify this aircraft has been inspected in accordance an Annual Inspection in accordance with Raytheon Bonanza Series inspection Guide, M/M Chapter 5-20-00 and is determined to be in airworthy condition.

The maintenance operations described above were performed and inspected in accordance with the applicable rules of 14CFR part 43, and with respect to the work performed, this aircraft is approved for return to service.

Ret wof 3825

CRS# PIQR321K

Signed:

THIS Log closed 7-10-03

James R Munnis PIQR321K

E-2965  
Book #2



**Aircraft Record** General Information

Manufacturer BEECH Model BONANZA A36  
Serial E-2965 Registration Number N215RW  
Date of Manufacture 1995

Engine(s) currently installed:

Manufacturer CONTINENTAL Model IO-550B Serial 675989  
Manufacturer \_\_\_\_\_ Model \_\_\_\_\_ Serial \_\_\_\_\_

Propeller(s) currently installed:

Manufacturer McCAULEY Model D3A32C409C  
HUB Model \_\_\_\_\_ Serial 951275  
Blade Model G-82 NDB-2 Serial PB178 Serial PB182 Serial PB199  
Blade Model \_\_\_\_\_ Serial \_\_\_\_\_ Serial \_\_\_\_\_ Serial \_\_\_\_\_

YEAR- DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE
---------------	---------------------------	------------------	-----------------------------

**Description of Inspections, Tests, Repairs and Alterations**  
 Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

N215RW S/N: E-2965 Engine IO-550-B S/N: 675989  
 10/22/02 ACTT: 789.4 EngTT: 789.4 Tach: 789.4  
 Performed the following aircraft maintenance:  
 • Checked brake system lines and hoses, discs, parking brake, and fluid reservoir, added MIL-H-5606 as required  
 • Check and serviced battery.  
 • Propeller blades inspected and dressed. Prop hub inspected  
 • Prop governor inspected. Prop operation satisfactory.  
 • Aircraft struts checked and serviced with nitrogen as required  
 • Tensioned A/C belt. Beech P/N: 646293-34.00, IAW Beech Maintenance Manual. Air Conditioner tested satisfactory.  
 • Replaced both o-rings (MS29513-010 & MS29513-338) in both the left and right fuel filler caps.

*R. W. Davis* 478540663 A & P





RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations <small>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)</small>
			<p>N215RW S/N: E-2965 Engine IO-550-B S/N: 675989  02/10/03 ACTT: 828.0 EngTT: 828.0 Tach: 828.0  Complied with AD 2003-01-01, Inspection/Installation of Missing Rivets, dated January 8, 2003, by previous compliance with Raytheon Aircraft Mandatory Service Bulletin SB 53-3341, Original, Fuselage – Inspection/Installation of RH Fuselage Missing Rivets dated September 1999. Rev. 1 dated May 2000, and Rev. 2 dated October 2002. See Aircraft Logbook entry dated April 12, 2000.</p> <p><i>R J W</i> 478540663 A &amp; P</p>
			<p>N215RW S/N: E-2965 Engine IO-550-B S/N: 675989  05/07/03 ACTT: 864.6 EngTT: 864.6 Tach: 864.6  Performed the following aircraft maintenance:  • Lubed landing gear with Aeroshell 22.  • Check and serviced battery.  • Propeller blades inspected and dressed.</p> <p><i>R J W</i> 478540663 A &amp; P</p>



RECORDING  
TACH  
TIME

TODAYS  
FLIGHT

TOTAL  
TIME IN  
SERVICE

**Description of Inspections, Tests, Repairs and Alterations**  
Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

N215RW S/N: E-2965 Engine IO-550-B S/N: 675989

06/09/03 ACTT: 874.0 EngTT: 874.0 Tach: 874.0

- Performed the following aircraft maintenance:
- Tensioned A/C belt, Beech P/N: 646293-34.00, IAW Beech Maintenance Manual. Air Conditioner tested satisfactorily.
  - Installed new main instrument air intake filter, RAPCO RA-D9-14 5 & inline filter, RAPCO RA-1J4-7. Primary & standby air pressure pumps op check sat.
  - Installed new Brackett BA7112 induction air filter.
  - Checked brake system lines and hoses, discs, parking brake, and fluid reservoir, added MIL-H-5606 as required. Brake operational check satisfactory.
  - Shimmy damper removed, serviced with MIL-H-5606 per Beech maintenance manual. Op check sat.
  - Landing gear down-lock tension test sat. Left down-lock tension 56 lbs., right 59 lbs., nose gear 58 lbs.
  - All wheel bearings re-greased and landing gear lubricated, struts inspected, cleaned and serviced A/R.
  - Propeller blades inspected and dressed.
  - Standby Gyro and Generator op check satisfactory.

*R. J. [Signature]* 478540663 A & P







YEAR: 2003 DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
7-10			871.2	<p>REMOVED AND REPLACED RAD STATIC LINE BETWEEN COPILOT'S AIRSPEED IND AND COPILOT'S ALT. COPILOT'S ALT LEAK. REMOVED COPILOT'S ALT PIN: 5934-3 S/N: OK422. REINSTALLED REPAIRED ALT. P/U: 5934-3 S/N: OK421. LEAK CHECK GOOD.</p> <p>The maintenance operation described above was inspected and with respect to the work performed, the aircraft and/or component is approved for return to service Date <u>7-6-03</u> W/O <u>A-1460</u> Signed <u>[Signature]</u> Piedmont Hawthorne Aviation, Norfolk, VA Repair Station PIQR321K</p>
7-10			871.2	<p>THE ATC TRANSPONDER TESTS REQUIRED BY FAR 91.413 HAVE BEEN PERFORMED AND FOUND TO COMPLY WITH THE REQUIREMENTS OF FAR 43 APPENDIX F</p>

ATC TDR#1 7-10-03 ATC TDR#2 N/A  
 BY [Signature] DATE 7-10-03  
 INSPECTOR FOR WO A-1620 DATE 7-10-03  
 Piedmont Aviation Services Inc. Norfolk Int'l Airport  
 Norfolk, Virginia PIQR321K







6101 Burton Station Rd.  
Norfolk, VA 23502  
(757) 857-3413

<http://www.flypiedmونت.com/orf/>  
Reference WO#:S5504

Aircraft #	Total Time
N215RW	881.2
Make:	Hobbs
Raytheon	881.2
Model:	
A-36	
S/N:	
E-2965	

401. Adjusted left main landing gear uplock cable tension to specs in accordance with Raytheon A-36 Maintenance Manual Chapter 32.

402. **AD2003-01-01C Raytheon (Missing Rivets)** previously complied with in accordance with Raytheon **MSB 53-3341** by installation of missing rivets in right fuselage. See log entry dated 4/10/00. Total Time 401.5

Researched and inspected Continuing Airworthiness items from aircraft records.

ADS researched through Bi-Weekly 2003-13.

I certify that this aircraft has been inspected in accordance with an **Annual Inspection** using Raytheon Bonanza Series Maintenance Manual 100HR/ Annual Inspection Guide Chapter 5-20-00, and is determined to be in Airworthy condition.

The maintenance operations described above were performed and inspected in accordance with the applicable rules of 14CFR part 43, and with respect to the work performed, this aircraft is approved for return to service.

Signed:

Date:

7/11/03

CRS# PIQR3211



1. Approving National Aviation Authority/Country: FAA/United States

2. **AUTHORIZED RELEASE CERTIFICATE**  
 FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number: 25914

4. Organization Name and Address: **JDC Company**  
 5520 N.W. 21 Terrace, Ft. Lauderdale, FL 33309

800/422-4559 or 954/772-4559  
 954/493-8960 (Fax)  
 FAA Repair Station No. WT48623M

5. Work Order/Contract/Invoice Number: 148026 /

6. Item:	7. Description:	8. Part Number:	9. Eligibility:*	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1	DIRECTIONAL GYRO	1U262-002-8	N/A	1	T42804F	OVERHAULED

13. Remarks: **Work Order # 148026** describing work performed on this component is attached to this form, and is on file at this facility in accordance with FAA regulations.  
 Certifies that the work specified in Block 12/13 was carried out in accordance with JAR 145 and with respect to that work the aircraft component is considered ready for release to service under JAA Acceptance Certificate Number: 4579

*Limited life parts must be accompanied by maintenance history including total time/total cycles/time since new.*

Certifies the items identified above were manufactured in conformity to:

19.  Approved design data and are in a condition for safe operation.
- 14 CFR 43.9 Return to Service  Other regulation specified in Block 13
- Non-approved design data specified in Block 13.
- Certifies that unless otherwise specified in Block 13, the work identified in Block 12 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.



1. Approving National Aviation Authority/Country:  
FAA/United States

2. **AUTHORIZED RELEASE CERTIFICATE**  
FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number:  
25914

4. Organization Name and Address: **JDC Company**  
5520 N.W. 21 Terrace, Ft. Lauderdale, FL 33309

800/422-4559 or 954/772-4559  
954/493-8960 (Fax)  
FAA Repair Station No. #T4R623M

5. Work Order/Contract/Invoice Number  
148026/

6. Item: 7. Description: 8. Part Number: 9. Eligibility:\* 10. Quantity: 11. Serial/Batch Number: 12. Status/Work:

1  
DIRECTIONAL CYRO

1U262-002-8

N/A

1

T42804F

OVERHAULED

13. Remarks: **Work Order # 148026** describing work performed on this component is attached to this form, and is on file at this facility in accordance with FAA regulations.  
Certifies that the work specified in block 12/13 was carried out in accordance with JAR 145 and with respect to that work the aircraft component is considered ready for release to service under JAA Acceptance Certificate Number: 4579

*Limited life parts must be accompanied by maintenance history including total time/total cycles/time since new.*

14. Certifies the items identified above were manufactured in conformity to:

- Approved design data and are in a condition for safe operation.  
 Non-approved design data specified in Block 13.

19.  14 CFR 43.9 Return to Service  Other regulation specified in Block 13

Certifies that unless otherwise specified in Block 13, the work identified in Block 12 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.

15. Authorized Signature:	16. Approval Authorization No:	20. Authorized Signature <i>Jewen Stovrod</i>	21. Approval/Certificate No.:
17. Name (Typed or Printed)	18. Date (m/d/y):	22. Name (Typed or Printed) TREVOR STORROD	23. Date (m/d/y): 08/18/2003

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components, assemblies from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

FAA FORM 8130-3 (6-01)

\* Installer must cross check eligibility with applicable technical data.

NSN: 0052-000012-9005





RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	
			<p><b>Description of Inspections, Tests, Repairs and Alterations</b>            Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)</p>
			<p>N215RW S/N: E-2965 Engine IO-550-B S/N: 675989            09/03/03 ACTT: 909.0 EngTT: 909.0 Tach: 909.0</p> <p>Performed the following aircraft maintenance:</p> <ul style="list-style-type: none"> <li>• Lubed landing gear with AeroShell 22.</li> <li>• Check and serviced battery.</li> <li>• Replace left main wheel brake pads, quantity four, part number 066-105, and left main wheel brake piston o-rings, quantity two, part number MS28775-222. Topped brake cylinder hydraulic fluid reservoir with MIL-H-5606.</li> </ul> <p>Performed brake conditioning break-in per Cleveland Service Guide. Brake check operation satisfactory.</p> <p><i>Jesus</i> 478540663 A &amp; P</p>
			<p>N215RW S/N: E-2965 Engine IO-550-B S/N: 675989            12/14/03 ACTT: 959.4 EngTT: 959.4 Tach: 959.4</p> <p>Performed the following aircraft maintenance:</p> <ul style="list-style-type: none"> <li>• Lubed landing gear with AeroShell 22.</li> <li>• Check and serviced battery.</li> <li>• Topped brake cylinder hydraulic fluid reservoir with MIL-H-5606.</li> </ul> <p><i>Jesus</i> 478540663 A &amp; P</p>



1. UNITED STATES	2. FAA FORM 8130-3 Airworthiness Approval Tag U.S. Department of Transportation Federal Aviation Administration	3. System Tracking Ref. No. 0000171170-00012
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4. Organization  RAYTHEON AIRCRAFT COMPANY 9709 EAST CENTRAL P O BOX 85 WICHITA, KANSAS 67201-0085	5. Work Order Contract or Invoice Number 5600000561-00062
---	--

6. Item	7. Description	8. Part Number	9. Eligibility *	10. Quantity	11. Serial/Batch Number	12. Status/Work
0001	TUBE	36-324095-3	TBV by Installer	1.000	N/A	NEW

13. Remarks  
AIRWORTHINESS APPROVAL - PARTS. THIS FORM IS NOT AN EXPORT APPROVAL

*Limited life parts must be accompanied by maintenance history including total time/total cycles/time since new.*

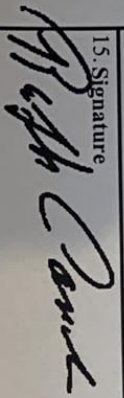
14. New  Newly overhauled

Certifies that the new or newly overhauled part(s) identified above, except as otherwise specified in block 13 was (were) manufactured in accordance with FAA approved design data and airworthiness.

NOTE: In case of parts to be exported, the special requirements of the importing country have been met.

19. Return to service in accordance with FAR 43.9

Certifies that the work specified in block 13 (or attached) above was carried out in accordance with FAA airworthiness regulations and in respect to the work performed the part(s) is (are) approved for return to service.

15. Signature 	16. FAA Authorization No. DOA230339CE	20. Authorized Signature	21. Certificate Number
---	--	--------------------------	------------------------

17. Name (Typed or Printed) RALPH CANALE	18. Date: 10/30/2001	22. Name (Typed or Printed)	23. Date:
---	-------------------------	-----------------------------	-----------

**USER/INSTALLER RESPONSIBILITIES**

It is important to understand that the existence of this Document alone does not automatically constitute authority to install the part/component/assembly.

Where the user/installer work in accordance with the national regulations of an Airworthiness Authority different than the Airworthiness Authority of the country specified in block 1 it is essential that the user/installer ensure that his/her Airworthiness Authority accepts parts/components/assemblies from the Airworthiness Authority of the country specified in block 1.

Statements in block 14 and 19 do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

The FAA form 8130-3 and JAA Form One are equivalent. Other countries such as Canada also have equivalent acceptable documents.

FAA Form 8130-3 (11-93) \* (Optional) Installer must cross check eligibility with applicable technical data.



MACHINE: K1125V2 03501-0082  
 KOBOR/82  
 3300 PAVEL CEPALBYT  
 KVALIFIKOVANÝ KVALIFIKOVANÝ  
 KVALIFIKOVANÝ KVALIFIKOVANÝ

**Description of Inspections, Tests, Repairs and Alterations**  
 Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

DATE	RUN TIME	FLIGHT TIME	TIME IN SERVICE	
				<p>N215RW S/N: E-2965 Engine IO-550-B S/N: 675989</p> <p>04/07/04 ACTT: 986.4 EngTT: 986.4 Tach: 986.4</p> <p>Replaced worn air conditioner belt, Beech P/N: 646293-34.00 with same. Tensioned belt IAW Beech Maintenance Manual. Air conditioner test satisfactory.</p> <p><i>R. J. W.</i> 478540663 A &amp; P, IA</p>
				<p>N215RW S/N: E-2965 Engine IO-550-B S/N: 675989</p> <p>09/20/04 ACTT: 1044.5 EngTT: 1044.5 Tach: 1044.5</p> <p>Performed the following general aircraft maintenance:</p> <ul style="list-style-type: none"> <li>• Installed new RAPCO RA442CW, S/N: 1799, primary air pressure pump in accordance with manufacturer's instructions. Replaced section of 5/8" aluminum tubing, Beech P/N: 36-324095-3, between pressure pump and air regulator. Adjusted primary air pressure regulator.</li> <li>• Performed engine run-up. Pressure pump installation and operation satisfactory</li> <li>• Checked brake system lines and hoses, discs, parking brake, and fluid reservoir, added MIL-H-5606 as required. Brake operational check satisfactory.</li> <li>• Checked and serviced battery.</li> <li>• Landing gear grease fittings lubricated with Aeroshell 22.</li> <li>• Propeller blades inspected and dressed.</li> </ul> <p><i>R. J. W.</i> 478540663 A &amp; P, IA</p>





RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
			<ul style="list-style-type: none"> <li>• Ignition switch ground test and magneto drop-off check sat.</li> <li>• Cowl flap rigging check &amp; op check sat</li> <li>• Firewall air shutoff and cabin heat controls checked and lubed.</li> <li>• Exhaust manifold heater shroud removed. No evidence of muffler failure or exhaust leakage observed.</li> <li>• Replaced skeet tubing (P/N: 115167DXXX120842) from heat shroud to firewall heater box control.</li> <li>• Prop governor inspected. Prop operation satisfactory.</li> <li>• Inspected and tested ARTEX Model 110-4, ELT, S/N 54754 according to applicable aircraft and ELT manufacturer's instructions and applicable FAA guidance and found that the ELT meets the requirements of FAR 91.207(d). ELT battery expires on June 30, 2005.</li> <li>• Cleaned air conditioner condenser. Condensor positioning op check sat. A/C belt tension satisfactory.</li> <li>• Air conditioner op check satisfactory.</li> <li>• Fuel selector valve strainer removed and cleaned.</li> <li>• Balanced and install new Goodyear Flight Custom III 7.00-6, 6 ply tires on left and right main landing gear. Gear swing and tire pressure check satisfactory.</li> </ul>
			<p><i>R. J. Wei</i> 478540663 A&amp;P, IA</p>





**Description of Inspections, Tests, Repairs and Alterations**  
 Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

TODAYS FLIGHT	TOTAL TIME IN SERVICE	
		<p>N215RW S/N: E-2965 Engine IO-550-B S/N: 675989            07/12/04 ACTT: 1014.5 EngTT: 1014.5 Tach: 1014.5</p> <ul style="list-style-type: none"> <li>Removed existing aircraft wing tips, Beech part numbers 000-17001-47 (left wing tip) and 000-170001-48 (right wing tip). Installed J.L. Osborne wing tip fuel tank kit number 35668-8 in accordance with STC number SA4-1629. Reference Form 337 dated July 12, 2004.</li> <li>Aircraft's Bendix/King KMT 112 Magnetic Azimuth Transmitter, part number 071-1052, relocated from left wing station 191.0 directly inboard to left wing station 85.0 in accordance with Bendix/King installation instructions for the KMT 112. Relocation of the KMT 112 has no change to aircraft's weight or balance.</li> <li><del>Operational tests for the new fuel transfer system were conducted in accordance with J.L. Osborne Wing Tip Tank Installation Instructions 11992. System verification tests were satisfactory. No fuel leaks detected. Time to transfer five (5) gallons of fuel from the tip tank to the main tank. Negligible change to aircraft electrical load.</del> SEE NEXT ENTRY →</li> </ul>
		CONTINUED



CORDING CH AE	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
			<ul style="list-style-type: none"> <li>Operational tests for the new fuel transfer system were conducted in accordance with J.L. Osborne Wing Tip Tank Installation Instructions 11992. System verification tests were satisfactory. No fuel leaks detected. Transfer time for five (5) gallons of fuel from the tip tanks to the main tanks approximately 12 minutes, 15 seconds for each tip tank. Negligible change to aircraft electrical load.</li> <li>Aircraft equipment list amended and new weight and balance dated computed and entered into the aircraft's records. New Flight Manual Supplements, J.L. Osborne part number 96044, were added to the aircraft's Pilot's Operating Handbook and FAA Approved Airplane Flight Manual.</li> <li>See POH for important operating limitations and aircraft loading.</li> </ul>
			<p><i>PLW</i> 478540663 1A</p>

*PLW* 478540663 1A

TOTAL  
TIME IN  
SERVICE

**Description of Inspections, Tests, Repairs and Alterations**  
Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

N215RW S/N: E-2965 Engine IO-550-B S/N: 675989  
11/16/04 ACTT: 1061.4 EngTT: 1061.4 Tach: 1061.4

Performed the following aircraft engine maintenance:

- Replaced tow pin, Beech part number 60-820029-1, on the nose gear lower torque knee. Tow test satisfactory.
- Serviced shimmy damper with MIL-H-5606 hydraulic fluid in accordance with Beech Maintenance Manual section 12-20-00. Insertion depth measurement and installation satisfactory.

*R. M. ...* 478540663 A&P



1. UNITED STATES

2. FAA FORM 8130-3  
Airworthiness Approval Tag  
U.S. Department of Transportation  
Federal Aviation Administration

3. System Tracking Ref. No.  
0000161397-00430

4. Organization  
**RAYTHEON AIRCRAFT COMPANY**  
9709 EAST CENTRAL  
P O BOX 85  
WICHITA, KANSAS 67201-0085

5. Work Order Contract or Invoice Number  
5600000329-00159

6. Item	7. Description	8. Part Number	9. Eligibility *	10. Quantity	11. Serial/Batch Number	12. Status/Work
0001	PIN-NOSE GEAR	60-820029-1	TBV by Installer	1.000	N/A	NEW

13. Remarks  
AIRWORTHINESS APPROVAL - PARTS. THIS FORM IS NOT AN EXPORT APPROVAL

*Limited Life parts must be accompanied by maintenance history including total time/total cycles/time since new.*

14. New  Newly overhauled   
Certifies that the new or newly overhauled part(s) identified above, except as otherwise specified in block 13 was (were) manufactured in accordance with FAA approved design data and airworthiness.

19. Return to service in accordance with FAR 43.9  
Certifies that the work specified in block 13 (or attached) above was carried out in accordance with FAA airworthiness regulations and in respect to the work performed the part(s) is (are) approved for return to service.

NOTE: In case of parts to be exported, the special requirements of the importing country have been met.

15. Signature  
*Ralph Canale*

16. FAA Authorization No.  
DOA230339CE

20. Authorized Signature

21. Certificate Number

17. Name (Typed or Printed)

18. Date:  
09/13/2001

22. Name (Typed or Printed)

23. Date:

RALPH CANALE

**USER/INSTALLER RESPONSIBILITIES**

It is important to understand that the existence of this Document alone does not automatically constitute authority to install the part/component/assembly.

Where the user/installer work in accordance with the national regulations of an Airworthiness Authority different than the Airworthiness Authority of the country specified in block 1 it is essential that the user/installer ensure that his/her Airworthiness Authority accepts parts/components/assemblies from the Airworthiness Authority of the country specified in block 1.

Statements in block 14 and 19 do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown. The FAA form 8130-3 and JAA Form One are equivalent. Other countries such as Canada also have equivalent acceptable documents.

FAA Form 8130-3 (11-93)

\*(Optional) Installer must cross check eligibility with applicable technical data.







RIDING	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
			<p>05/30/05 ACTT: 1124.1 EngTT: 1124.1 Tach: 1124.1  N215RW S/N: E-2965; Engine IO-550-B S/N: 675989  Performed the following general aircraft maintenance:</p> <ul style="list-style-type: none"> <li>• Installed new main instrument air intake filter, RAPCO RA-D9-14-5 &amp; inline filter, RAPCO RA-1J4-7.</li> <li>• Primary &amp; standby air pressure pumps op check sat</li> <li>• Performed wear limit test on RAPCO RA442CW, S/N: 1799, primary air pressure pump in accordance with manufacturer's instructions. Pressure pump found within normal wear limits.</li> <li>• Installed new Brackett BA7112 induction air filter.</li> <li>• Checked brake system lines and hoses, discs, parking brake, and fluid reservoir, added MILL-H-5606 as required. Replace left and right main wheel brake pads, P/N 066-105. Brake conditioning break-in and operational check satisfactory.</li> <li>• Shimmy damper removed, serviced with MILL-H-5606 per Beech maintenance manual. Op check sat.</li> <li>• Removed existing Gill G-242 battery, Beech P/N 36-380059-1 and replaced with new Gill G-242 battery, S/N G02199297.</li> <li>• Landing gear down-lock tension test sat. Left down-lock tension 56 lbs., right 60 lbs., nose gear 60 lbs. Electrical &amp; manual op checks sat</li> <li>• All aileron, rudder, elevator, and trim cable tensions tested within specification.</li> </ul>

CONTINUED ON NEXT PAGE

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE
5/30/05 DATE	1124.1		1124.1

CONTINUED FROM PREVIOUS PAGE

**Description of Inspections, Tests, Repairs and Alterations**  
 Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

- Cowl flap rigging check & op check sat.
- Firewall air shutoff and cabin heat controls checked and labeled
- Exhaust manifold heater shroud removed. No evidence of muffler failure or exhaust leakage observed.
- Installed new transponder ARTEX battery pack P/N 452-0130 IAW FAR 91.207(d) and manufacturer's instructions. New battery expires June 30, 2007.
- Inspected and tested ARTEX Model 110-4, ELT, S/N 54754 according to applicable aircraft and ELT manufacturer's instructions and applicable FAA guidance and found that the ELT meets the requirements of FAR 91.207(d).
- Cleaned air conditioner condenser. Condenser positioning op check sat. MC belt tension sat.
- Air conditioner op check sat.
- Fuel selector valve strainer removed and cleaned.
- Fuel injector control valve strainer removed and cleaned.
- All wheel bearings re-packed and landing gear lubricated, struts inspected, cleaned and serviced A/R.
- Standby Gyro and Generator op check satisfactory.
- Idle RPM and mixture test sat.
- Ignition switch ground test and magneto drop-off check sat.

*R. Jones* 478540663 A&P, IA



**ARTEX**  
 ARTEX AIRCRAFT SUPPLIES, INC.  
 14405 Kell Rd. NE Aurora, OR 97002  
 (503) 678-7929 800-547-8901

LOG BOOK ENTRY 5-30-05  
 ELT BATTERY REPLACEMENT DATE 6-30-07



YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
	06/21/05	ACTT: 1127.8	Engine TT: 1127.8 Tach: 1127.8	
	N215RW	S/N: E-2965	Engine IO-550-B S/N: 675989	
	I certify that this aircraft has been inspected in accordance with an Annual Inspection using Raytheon Bonanza Series Maintenance Manual Chapter 5-20-00 100-Hour/Annual Inspection Checklist and applicable parts of 14 CFR part 43 as a guide, and is determined to be in an airworthy condition and approved for return to service.			
	Airworthiness Directives researched through Bi-Weekly 2005-12, June 13, 2005.			
				<i>Revi</i> 478540663 A&P, IA
	07/06/05	ACTT: 1140.0	Engine TT: 1140.0 Tach: 1140.0 N215RW S/N: E-2965	
	Performed the following aircraft maintenance:			
	<ul style="list-style-type: none"> <li>Performed wear limit test on RAPCO RA442CW, S/N: 1799, primary air pressure pump in accordance with manufacturer's instructions. Pressure pump found within normal wear limits.</li> <li>Checked brake system lines and hoses, discs, parking brake, and fluid reservoir, added MIL-H-5606 as required. Brake operational check and lines satisfactory.</li> <li>Checked and serviced battery.</li> <li>Landing gear grease fittings lubricated in accordance with Beech maintenance instructions.</li> </ul>			

*Revi*

2185509 A&P, IA

6/24/05  
DATE

RECORDING  
TACH  
TIME  
11286

TODAYS  
FLIGHT

TOTAL  
TIME IN  
SERVICE

**Description of Inspections, Tests, Repairs and Alterations**  
Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

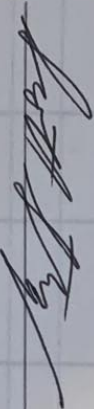
FAA RPAIR STATION EBIR107K, 1000 JETPORT RD, BRUNSWICK, GA.

AIRCRAFT: N215RW, SNE-2965

DATE: JUNE 24, 2005

<sup>NO</sup> THE AIRCRAFT PITOT/STATIC SYSTEM WAS INSPECTED AND TESTED IAW FAR 91.411 AND FOUND TO BE IN COMPLIANCE WITH FAR 43 APP. F.

THE AIRCRAFT TRANSPONDER SYSTEM WAS INSPECTED AND TESTED IAW FAR 91.413 AND FOUND TO BE IN COMPLIANCE WITH FAR 43 APP. F.







**AUTHORIZED RELEASE CERTIFICATE  
FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG**

1. Approving National Aviation Authority/Country:  
**FAA/United States**

3. Form Tracking Number:

**05-248053**

L-3 Communications Avionics Systems, Inc.  
Repair Station Certificate No. NN2R037L  
5353-52<sup>nd</sup> Street S.E  
Grand Rapids, Michigan 49512-9704

5. Work Order/Contract/Invoice No.

**248053**

6. Item	7. Description	8. Part Number	9. Eligibility*	10. Quantity	11. Serial/Batch Number	12. Status/Work
1	WX1000 DISPLAY	788060-5900-8	N/A	1	TSDD06502367	Repaired

13. Remarks:

**RETURN TO SERVICE**

Unit complies with pertinent Airworthiness Directives and Service Bulletins.

Unit was inspected, tested, and meets all specification requirements of Spec. No. 012-10207-001 Rev. T

Work completed on **07/28/05** by **C. Nguyen**

For work details see Service Work Report # **248053**

Note: This certifies that the work specified in Block 12/13 was carried out in accordance with EASA-145 and with respect to that work, the aircraft component is considered ready for release to service under EASA Certificate Number EASA.45.4250.

14. Certifies that the items identified above were manufactured in conformity to:		19. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service		Other regulation specified in Block 13	
<input type="checkbox"/> Approved design data and are in a condition for sale operation. <input type="checkbox"/> Non-approved design data specified in Block 13.		<input checked="" type="checkbox"/> Certifies that unless otherwise specified in Block 13, the work identified in Block 12 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.			
15. Authorized Signature	16. Approval/Authorization No.	20. Authorized Signature:	21. Approval/Certificate No.		
		<b>Mark Wright</b>	<b>NN2R037L</b>		
17. Name (Typed or printed)	18. Date (m/d/y)	22. Name (Typed or Printed)	23. Date (m/d/y)		
		<b>MARK WRIGHT</b>	<b>8-2-05</b>		

**Airworthiness Approval Tag**  
**User/Installer Responsibilities**

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1 it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

FAA Form 8130-3 (6-01)

\*Installer must cross-check eligibility with applicable technical data.

NSN: 0052-00-012-9005



YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
	12/20/05	ACFTT: 1185.7	Engine TT: 1185.7 Tach: 1185.7 N215RW S/N: E-2965	Performed the following aircraft maintenance: <ul style="list-style-type: none"> <li>Performed wear limit test on RAPCO RA442CW, S/N: 1799, primary air pressure pump in accordance with manufacturer's instructions. Pressure pump found within normal wear limits.</li> <li>Checked brake system lines and hoses, discs, parking brake, and fluid reservoir, added MIL-H-5606 as required. Brake operational check and lines satisfactory.</li> <li>Checked and serviced battery.</li> <li>Landing gear grease fittings lubricated in accordance with Beech maintenance instructions.</li> </ul>
	01/27/06	ACFTT: 1191.7	Engine TT: 1191.7 Tach: 1191.7 N215RW S/N: E-2965	Performed the following aircraft maintenance: <ul style="list-style-type: none"> <li>Replaced worn air conditioner belt with new v-belt, Beech P/N: 642759. Tensioned belt IAW Beech Maintenance Manual. Engine run-up and air conditioner test satisfactory.</li> </ul>

*Reeves* 2185509 A&P, IA

*Reeves* 2185509 A&P, IA

**FAA FORM 8130-3**  
**AIRWORTHINESS APPROVAL TAG**

US Department of Transportation  
 Federal Aviation Administration

1. <b>UNITED STATES</b>	2.	3. System Tracking Ref. No.: <b>SAME AS BLOCK 5</b>
4. Organization <b>Teledyne Continental Motors</b> P.O. Box 90 Mobile, Alabama 36601	PC #508	5. Work Order, Contract, or Invoice # <b>P87825</b>

6. Item	7. Description	8. Part No.	9. Eligibility*
1	BELT-V	642759	TBV BY INSTALLER
10. Qty 110	11. Serial/Batch No. N/A	12. Status/Work NEW	

**13. AIRWORTHINESS APPROVAL-PARTS. THIS IS NOT AN EXPORT APPROVAL.**  
**MANUFACTURED UNDER PRODUCTION CERTIFICATE #508**

**Limited life parts must be accompanied by maintenance history including total time/total cycles/time since new.**

14.	New <input checked="" type="checkbox"/> <u>X</u> Newly Overhauled _____	19.	Return to Service in Accordance with FAR 43.9 _____
Certifies that the new or newly overhauled part(s) identified above, except as otherwise specified in block 13 was (were) manufactured in accordance with FAA approved design data and airworthiness regulations. NOTE: In case of parts to be exported, the special requirements of the importing country have been met.		Certifies that the work specified in block 13 (or attached) above was carried out in accordance with FAA airworthiness regulations and in respect to the work performed the part(s) is (are) approved for return to service.	

15. Signature: <i>William F. Sciabarrasi</i>	16. FAA Authorization #: <b>DMIR#CR-511008</b>	20. Authorized Signature:	21. Certificate Number:
17. Name (typed or printed): <b>W. F. Sciabarrasi</b>	18. Date: <b>11/24/2000</b>	22. Name (typed or printed):	23. Date:

**Airworthiness Approval Tag**  
**User/Installer Responsibilities**

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.  
 Where the user/installer work in accordance with the national regulations of an Airworthiness Authority different than the Airworthiness Authority of the country specified in block 1 it is essential that the user/installer ensures that his/her Airworthiness Authority accepts parts/components/assemblies from the Airworthiness Authority of the country specified in block 1.  
 Statements in block 14 and 19 do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

The FAA Form 8130-3 and JAA Form One are equivalent. Other countries such as Canada also have equivalent acceptable documents.  
 \*Optional) Installer must cross check eligibility with applicable technical data.  
 FAA Form 8130-3



Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

TACH TIME  
FLIGHT TIME  
TIME IN SERVICE

02/09/06 ACTT: 1193.1 Engine TT: 1193.1 Tach: 1193.1 Engine IO-550-B S/N: 675989

Beech Servo Encoding Altimeter, part number 066-03062-0008, serial number 4486, intermittently fails to report altitude after warm up. Unit removed from aircraft and sent to Triumph Instruments for repair/calibration. Altimeter encoder disk realigned, and altimeter calibrated and tested per FAR 43 Appendix E(b). Unit reinstalled. Squawk altitude operation satisfactory.

1216.2 hrs

*RJ Wein* 2185509 A&P, IA

4-3-2006 PERFORMED

STATIC LEAK CHECK  
HOWD SYSTEM TD

ATO TRANSPONDER TESTS AND INSPECTIONS AS REQUIRED BY FAR 91.217 AND 91.413 IN ACCORDANCE WITH APPENDICES E AND F HAVE BEEN PERFORMED. EQUIPMENT MEETS STANDARDS.

COMPLY WITH FARs

TRANSPONDER MODEL KT 70 S/N 11822  
SIGNED *JRS*  
ISLAND AVIATION, INC.

*JRS*  
CRS # ~~2493~~ KCD12492E  
ISLAND AVIATION, INC

FAA REPAIR STATION KCD0R492F  
1000 AIRPORT RD  
FERNANDINA BEACH, FL 32034

4-3-2006

1216.2 hrs





YEAR: 2006	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
07/04/06	N215RW	S/N: E-2965	ACTT: 12308	Engine TT: 12308 Tach: 12308 Engine IO-550-B S/N: 675989
Performed the following general aircraft maintenance:				
<ul style="list-style-type: none"> <li>• Air conditioner condenser cleaned, positioning op check sat. A/C belt tension sat. A/C op check sat.</li> <li>• Aircraft battery serviced</li> <li>• Bracket BA7112 induction air filter replaced with new BA7112 filter.</li> <li>• Brake system lines, hoses, discs, parking brake, and fluid reservoir inspected. MIL-H-5606 added to system as required. Replace left main wheel brake caliper, Beech P/N: 061-02400. Brake conditioning break-in and operational check satisfactory.</li> <li>• Cable tensions (aileron &amp; trim, rudder, elevator &amp; trim, main gear up lock) tested. All measurements in spec.</li> <li>• Cowl flap rigging inspection &amp; op check sat.</li> <li>• ELT ARTEX Model 110-4, S/N 44754 inspected and tested IAW applicable aircraft and ELT manufacturer's instructions and applicable FAA guidance and found that the ELT meets the requirements of FAR 91.207(d).</li> <li>• Firewall air shutoff and cabin heat controls inspected, tested and lubed. Operation sat.</li> <li>• Fuel selector valve strainer screen removed and cleaned.</li> <li>• Fuel injector control valve strainer screen removed and cleaned.</li> <li>• Fuel filter screens from tip tank transfer pumps removed and cleaned.</li> <li>• Pressure air pump wear limit test performed on RAPCO RA442CW, S/N: 1799, in accordance with manufacturer's instructions. Pressure pump vanes found within normal wear limits.</li> <li>• Primary instrument air intake filter, RAPCO RA-D9-14-5 &amp; inline filter, RAPCO RA-114-7.</li> <li>• Standby instrument air intake and inline filters inspected. Condition satisfactory.</li> <li>• Primary &amp; standby air pressure pumps op check sat.</li> </ul>				

Continued next page

*R. J. [Signature]*



YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries)
				<b>CONTINUED FROM PREVIOUS PAGE</b>
				<ul style="list-style-type: none"> <li>• Landing gear motor gearbox inspected and fluid level checked sat.</li> <li>• Landing gear electrical, manual, and throttle warning horn operational tests satisfactory.</li> <li>• Landing gear down-lock tension test sat. Left down-lock tension 53 lbs., right 55 lbs., nose gear 58 lbs.</li> <li>• Shimmy damper removed, serviced with MIL-H-5606 per Beech maintenance manual. Op check sat.</li> <li>• Stall warning alarm test satisfactory.</li> <li>• Standby Gyro and Generator op check satisfactory.</li> <li>• Wheel bearings re-packed, landing gear lubricated, struts inspected, cleaned and serviced A/R.</li> <li>• Aircraft lubricated per Beech manual 35-59-0001-9.</li> </ul>
				<i>R. Lewis</i> 2185509 A&P, IA
	07/04/06	N215RW	S/N: E-2965	ACTT: 12308 Engine TT: 12308 Tach: 12308
	<p>I certify that this aircraft has been inspected in accordance with an Annual Inspection using applicable parts of Raytheon Bonanza Series Maintenance Manual Chapter 5-20-00 100-Hour/Annual Inspection Checklist and 14 CFR Part 43 Appendix D, and is determined to be in an airworthy condition and approved for return to service.</p>			
	Airworthiness Directives	researched through Bi-Weekly 2006-13, 26 June 2006.		
				<i>R. Lewis</i> 2185509 A&P, IA



YEAR: DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
08/05/06		N215RW	S/N: E-2965	ACTT: 1237.8 Engine TT: 1237.8 Tach: 1237.8 Engine IO-550-B S/N: 675989
				Performed the following aircraft airframe maintenance: <ul style="list-style-type: none"> <li>Removed existing Amerex 2 1/2 pound halon fire extinguisher, model number 352 from aircraft. Replaced existing extinguisher with new 2006 Amerex 2 1/2 pound halon extinguisher, model number C352. New extinguisher mounted in same location as existing.</li> </ul> <i>R J W</i> 2185509 A&P, IA
08/02/07		N215RW	S/N: E-2965	ACTT: 1311.3 Engine IO-550-B, S/N: 675989 TT: 1311.3 Tach: 1311.1
				Performed the following general aircraft maintenance: <ul style="list-style-type: none"> <li>Air conditioner condenser cleaned, positioning op check sat. A/C belt tension sat. A/C op check sat.</li> <li>Aircraft battery serviced (added distilled water and maintenance charged as required).</li> <li>Brackett BA7112 induction air filter replaced with new BA7112 filter.</li> <li>Brake system lines, hoses, discs, parking brake, and fluid reservoir inspected. MH-1H-5606 added to system as required.</li> <li>Cable tensions (aileron &amp; trim, rudder, elevator &amp; trim, main gear up lock) tested. All measurements in spec.</li> <li>Cowl flap rigging inspection &amp; op check sat.</li> <li>Replaced ARTEX ELT battery with new ARTEX battery part number 452-0130, Expiration Date September 2009.</li> </ul>

Continued on next page

*R J W*

YEAR: 8/2  
2007  
DATE

RECORDING TACH TIME  
TODAYS FLIGHT  
TOTAL TIME IN SERVICE

**Description of Inspections, Tests, Repairs and Alterations**  
 Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries)

Continued from previous page			
08/02/07 N215RW S/N: F-2965 ACFT: 1311.3 Engine IO-550-B, S/N: 675989 TT: 1311.3 Tach: 1311.1			
<ul style="list-style-type: none"> <li>ELT ARTEX Model 110-4, S/N 54754 inspected and tested IAW applicable aircraft and ELT manufacturer's instructions and applicable FAA guidance and found that the ELT meets the requirements of FAR 91.207(d).</li> <li>Firewall air shutoff and cabin heat controls inspected, tested and lubed. Operation sat.</li> <li>Fuel selector valve strainer screen removed and cleaned.</li> <li>Fuel injector control valve strainer screen removed and cleaned.</li> <li>Fuel filter screens from tip tank transfer pumps removed and cleaned.</li> <li>Pressure air pump wear limit test performed on RAPCO RA442CW, S/N: 1799, in accordance with manufacturer's instructions. Pressure pump vanes found within normal wear limits.</li> <li>Primary instrument air intake filter, RAPCO RA-D9-14-5 &amp; inline filter, RAPCO RA-114-7 replaced with new RAPCO filters of the same part numbers.</li> <li>Standby instrument air intake and inline filters inspected. Condition satisfactory.</li> <li>Primary &amp; standby air pressure pumps op check sat.</li> <li>Landing gear motor gearbox inspected and fluid level checked sat.</li> <li>Landing gear electrical, manual, and throttle warming horn operational tests satisfactory.</li> <li>Landing gear down-lock tension test sat. Left down-lock tension 55 lbs., right 55 lbs., nose gear 58 lbs.</li> <li>Shimmy damper removed, serviced with MIL-H-5606 per Beech maintenance manual. Op check sat.</li> <li>Stall warning alarm test satisfactory.</li> <li>Standby Gyro and Generator op check satisfactory.</li> <li>Wheel bearings re-packed, landing gear lubricated, struts inspected, cleaned and serviced A/R.</li> <li>Aircraft lubricated per Beech manual 35-59-0001-9.</li> </ul>			

*R. J. Jones*

2185509 A&P, IA



YEAR: 2007 DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
08/02/07	N215RW	S/N: E-2965	AQTT: 1311.3	Engine TT: 1311.3 Tach: 1311.3
I certify that this aircraft has been inspected in accordance with an Annual Inspection using applicable parts of Raytheon Bonanza Series Maintenance Manual Chapter 5-20-00 100-Hour/Annual Inspection Checklist and 14 CFR Part 43 Appendix D, and is determined to be in an airworthy condition and approved for return to service.				
Airworthiness Directives researched through Bi-Weekly 2007-15, July 27, 2007.				
				<i>Revue</i> 2185509 A&P, IA
12/05/07	ACTT: 1333.4	Engine TT	1333.4	Tach: 1333.4 N215RW S/N: E-2965
Performed the following aircraft maintenance:				
<ul style="list-style-type: none"> <li>Performed wear limit test on RAPCO RA442CW, S/N: 1799, primary air pressure pump in accordance with manufacturer's instructions. Pressure pump found within normal wear limits.</li> <li>Checked brake system lines and hoses, discs, parking brake, and fluid reservoir, added MIL-H-5606 as required. Brake operational check and lines satisfactory.</li> <li>Checked and serviced battery.</li> </ul>				
				<i>Revue</i> 2185509 A&P, IA

YEAR: 2008  
 RECORDING TACH TIME  
 DATE

**Description of Inspections, Tests, Repairs and Alterations**  
 Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	ACTIVITY
04/29/08	ACTT: 1366.5	Engine TT: 1366.5	Tach: 1366.5 Engine IO-550-B S/N: 675989
Performed the following aircraft engine maintenance: <ul style="list-style-type: none"> <li>Removed existing TCM Gill G-242 battery. Replaced with new Gill G-242 battery S/N: G02379260. Battery activated and installed in accordance with Gill Activation and Service Instructions TBP I560 Rev E.</li> </ul>			
<i>Revised</i> 2185509 A&P, IA			



**LANDMARK AVIATION**

6101 Burton Station Rd.  
 Norfolk, VA 23502  
 (757) 857-3413

Reference WO#: A-3068

Aircraft #	Make:	Model:	S/N:	Landings	Total Time
N215RW	BEECH	A36	E-2965		Hobbs 1377.4 Date 6/16/2008

1. STATIC SYSTEM LEAK. TROUBLESHOOT STATIC SYSTEM LEAK AND ISOLATED LEAK TO LOOSE CONNECTIONS ON ALTERNATE STATIC SOURCE SWITCH. TIGHTENED LOOSE CONNECTIONS AND STATIC SYSTEM LEAK CHECKS GOOD.

The maintenance operations described above were performed and inspected in accordance with the applicable rules of 14CFR part 43, and with respect to the work performed; this aircraft is approved for return to service.

Signed: *Greg A. McHenry*

Date: 6/16/08

CRS# PIQR321K







**Description of Inspections, Tests, Repairs and Alterations**  
 Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

YEAR: 2008 DATE	RECORDING TACH TIME	TOTALS FLIGHT	TOTAL TIME IN SERVICE	
06/16/08	ACFT: 1377.4	Engine TT: 1377.4	Tach: 1377.4	N215RW S/N: E-2965
	Performed the following aircraft maintenance repair:			
	<ul style="list-style-type: none"> <li>External power relay K12 not energizing with application power to external power receptacle, J32. Found blocking diode CR11, IN4007 defective. Replaced CR11 with new IN4007 diode. Application of external power test satisfactory.</li> </ul>			
				<i>Revised</i> 2185509 A&P, IA
10/03/08	N215RW S/N: E-2965, ACFT: 1388.2	Engine IO-550-B, S/N: 675989, TT: 1388.2, Tach: 1388.2		
	Performed an annual aircraft inspection in accordance Beechcraft 100-Hour/Annual Inspection Form from Raytheon Boranza Series Maintenance Manual Chapter 5-20-00 and 14 CFR Part 43 Appendix D. Airworthiness Directives researched through September 26, 2008 as of Biweekly 2008-19/20.			
	<ul style="list-style-type: none"> <li>Air conditioner condenser cleaned and positioning op check sat. A/C belt tension sat. A/C op check sat.</li> <li>Aircraft battery serviced and maintenance charged.</li> <li>Brackett BA7112 induction air filter replaced with new BA7112 filter.</li> <li>Brake system lines, hoses, discs, parking brake, and fluid reservoir inspected, MIL-H-5606 added to system as required.</li> <li>Cable tensions (aileron &amp; trim, rudder, elevator &amp; trim, main gear up lock) tested. All measurements in spec.</li> <li>Cowl flap rigging inspection &amp; op check sat.</li> <li>ELT ARTEX Model 110-4, S/N 54754 inspected and tested IAW applicable aircraft and ELT manufacturer's instructions and applicable FAA guidance. The ELT meets the requirements of FAR 91.207(d). ARTEX battery part number 452-0130, Expiration Date September 2009.</li> <li>Fuel selector valve strainer screen removed, cleaned, and inspection, sat.</li> <li>Fuel filter screens from tip tank transfer pumps removed and cleaned.</li> </ul>			

CONTINUED







YEAR:

2009

DATE

1. Approving National Aviation Authority/Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: 5409 - 18138	
4. Organization Name and Address: FAA CRS #CM2R747K		AUTOPILOTS CENTRAL, INC. HANGAR 23, TULSA INTL AIRPORT • TULSA, OKLAHOMA 74115			5. Work Order/Contract/Invoice Number: Same #3	
6. Item:	7. Description:	8. Part Number:	9. Eligibility:	10. Quantity:	11. Serial/Batch No.:	12. Status/Work:
1	ANNUAL CHECK PANEL	065-005801		1	3470	REPAIRED

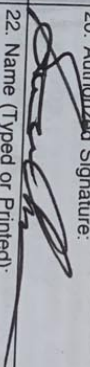
13. Remarks:  
Reference attached service shop report for work performed. KA185

14. Certifies the items identified above were manufactured in conformity to:

Approved design data and are in condition for safe operation.

Non-approved design data specified in Block 13.

19.  14 CFR 43.9 Return to Service  Other regulation specified in Block 13  
Certifies that unless otherwise specified in Block 13, the work identified in Block 12 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.

15. Authorized Signature:	16. Approval/Authorization No.:	20. Authorized Signature:	21. Approval/Certificate No.:
			CM2R747K
17. Name (Typed or Printed):	18. Date:	22. Name (Typed or Printed):	23. Date (m/d/y):
		STEVEN W. CHAPMAN	02-10-09

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness accepts parts/components/assemblies from the Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

FAA Form 8130-3 (6-01) \*Installer must cross-check eligibility with applicable technical data. NSN: 0052-00-012-9005



nts in Blocks 14 and 15  
 regulations by the user/installer  
**FAA form 8130-3 and JA**  
 Form 8130-3 (6-01) \*Instal

11. Serial/Batch Number: \_\_\_\_\_

12. Status/Work: 1503E

5. Work Order/Contract/Invoice Number: 1503E

3. Form Tracking Number: \_\_\_\_\_

**CERTIFICATE**

YEAR: DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
2009	07/01/09	ACCT: 1430.2	Engine	TT: 1430.2 Tach: 1430.2 N215RW S/N: E-2965
				Performed the following aircraft maintenance: <ul style="list-style-type: none"> <li>Performed wear limit test on RAPCO RA442CW, S/N: 1799, primary air pressure pump in accordance with manufacturer's instructions. Pressure pump found within normal wear limits.</li> <li>Checked brake system lines and hoses, discs, parking brake, and fluid reservoir, added MIL-H-5606 as required. Brake operational check and lines satisfactory.</li> <li>Checked and serviced battery.</li> <li>Replaced both left and right main landing gear uplock and tension springs, Beech part numbers 35-815115 (uplock spring) and 100942C0020-31 (tension spring). With aircraft on jacks, cycled landing gear. Spring installation and gear cycle test satisfactory.</li> </ul>
				<i>R Jones</i> <b>2185509 A&amp;P, IA</b>
	01/27/10	Tach: 1466.6	ACCT: 1466.6	N215RW S/N: E-2965
				Performed the following aircraft maintenance repair: <ul style="list-style-type: none"> <li>Removed existing Dukes electric aux fuel pump, part number 4613-00-5, S/N: 0343 and installed new Dukes pump of same part number, S/N 013110, in accordance with Beech Bonanza A36 Maintenance Manual. Aux fuel pump's low and high speeds tested satisfactory. No fuel leaks detected. Installation of pump satisfactory.</li> </ul>
				<i>R Jones</i> <b>2185509 A&amp;P, IA</b>



YEAR: 2009 DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
10/14/09	N215RW	S/N: E-2965,	ACFT: 1451.1	Engine IO-550-B, S/N: 675989, TT: 1451.1, Tach: 1451.1
	Performed an annual aircraft inspection in accordance Beechcraft 100-Hour/Annual Inspection Form from Raytheon Bonanza Series Maintenance Manual Chapter 5-20-00 and 14 CFR Part 43 Appendix D. Airworthiness Directives researched through October 12, 2009 as of Biweekly 2009-20/21.			
				<ul style="list-style-type: none"> <li>Air conditioner condenser cleaned and positioning op check sat. A/C belt tension sat. A/C op check sat.</li> <li>Bracket BA71 2 induction air filter replaced with new BA7112 filter.</li> <li>Brake system lines, hoses, discs, parking brake, and fluid reservoir inspected. MIL-H-5606 added to system as required.</li> <li>Cable tensions, aileron &amp; trim, rudder, elevator &amp; trim, main gear up lock) tested. All measurements in spec.</li> <li>Cowl flap rigging inspection &amp; op check sat.</li> <li>ARTEX ELT Model 110-4, S/N 54754 inspected and tested IAW applicable aircraft and ELT manufacturer's instructions and applicable FAA guidance. The ELT meets the requirements of FAR 91.207(d).</li> <li>ARTEX ELT battery part number 452-0130 replaced. Battery expiration Date November 2011.</li> <li>Fuel selector valve strainer screen removed, cleaned, and inspection, sat.</li> <li>Fuel filter screens from tip tank transfer pumps removed and cleaned.</li> <li>Pressure air pump wear limit test performed on RAPCO RA442CW, S/N: 1799, in accordance with manufacturer's instructions. Pressure pump vanes found within normal wear limits.</li> <li>Primary instrument air intake filter, RAPCO RA-D9-14-5 &amp; inline filter, RAPCO RA-114-7 replaced with new RAPCO filters of the same part numbers.</li> <li>Standby instrument air inline filter, RAPCO RA-114-7 replaced with new RAPCO</li> <li>Standby instrument air intake filters inspected. Condition satisfactory.</li> <li>Primary &amp; standby air pressure pumps op check sat.</li> </ul>

CONTINUED ON NEXT PAGE





ions  
of  
(s.)

**ARTEX**

ARTEX AIRCRAFT SUPPLIES, INC.  
14405 Kell Rd. NE Aurora, OR 97002  
(503) 678-7929 800-547-8901

LOG BOOK ENTRY 10-14-09

ELI BATTERY REPLACEMENT DATE NOV 2011

YEAR: DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspection Entries must be endorsed Technician or Repair Fac
2009 10/14/09				<ul style="list-style-type: none"> <li>• Landing gear motor gearbox inspected and fluid level checked sat.</li> <li>• Landing gear electrical, manual, down-lock cable tensions, and throttle warning horn operational tests sat.</li> <li>• Shimmy damper removed, serviced with MH-H-5606 per Beech maintenance manual. Op check sat.</li> <li>• Stall warning alarm test satisfactory.</li> <li>• Standby Gyro and Generator op check satisfactory.</li> <li>• Wheel bearings re-packed, landing gear lubricated, struts inspected, cleaned and serviced A/R.</li> <li>• Aircraft lubricated per Beech manual 35-59-0001-9.</li> <li>• Performed a ground run-up. All systems checked satisfactorily.</li> </ul> <p>I certify that this aircraft has been inspected in accordance with an Annual Inspection using Raytheon Bonanza Series Maintenance Manual Chapter 5-20-00 100-Hour/Annual Inspection Form and 14 CFR Part 43 Appendix D, and is determined to be in an airworthy condition and approved for return to service.</p> <p>Compliance with AD 2008-13-17, issued 07/02/08, Circuit Breaker Toggle Switches, falls under the Alternate Means of Compliance per Wichita ACO Docket No. FAA-2007-28434, Dated June 9, 2009 which extends the compliance date to no more than 90 days following receipt of the last of all circuit breaker-type switches required to be replaced. Date of circuit breaker delivery October 2, 2009. Compliance date of AD on or before January 2, 2010.</p> <p>Airworthiness Directives researched through October 12, 2009 as of Biweekly 2009-20/21.</p>

*John*  
**2185509 A&P, IA**



YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
009				
DATE				

12/17/09 Tach: 1465.8 ACTT: 1465.8 N215RW S/N: E-2965

Completed with AD-2008-13-17, Circuit Breaker Toggle Switches. Existing Potter & Brumfield circuit breakers were removed and replaced with new Tyco Electronics circuit breaker toggle switches as follows:

Breaker ID	Amp	Tyco P/N	Breaker ID	Amp	Tyco P/N
Alternator	10	35-380132-73	Flood Lights	5	35-380132-101
Pilot Heat	10	35-380132-63	Panel Lights	5	35-380132-101
Strobe Lights	10	35-380132-103	Taxi Light	10	35-380132-103
Beacon Lights	10	35-380132-103	Landing Light	10	35-380132-103
Nav Lights	5	35-380132-101	Standby Air	30	35-380132-99

All work performed in accordance with Raytheon Recommended Service Bulletin SB 24-3735 titled Electrical Power - Circuit Breaker Switch Replacement issued August 2005 and the applicable parts of Beech Bonanza A36 Wiring Diagram Manual and AC 43.13-2B. Engine run-up and load test of all breakers satisfactory.

*R. Wade* 2185509 A&P, IA





**Description of Inspections, Tests, Repairs and Alterations**  
 Entries must be endorsed with Name, Rating and Certificate Number  
 Technician or Repair Facility. (See back pages for other specific entries)

YEAR: \_\_\_\_\_  
 RECORDING TACH \_\_\_\_\_  
 TODAY'S FLIGHT \_\_\_\_\_  
 TOTAL TIME IN SERVICE \_\_\_\_\_

DATE: 2010 APR 14 2011

ATC TRANSPONDER TESTS AND INSPECTIONS AS  
 REQUIRED BY FAR 91.413 IN ACCORDANCE  
 WITH APPENDICES E AND F HAVE BEEN PERFORMED.  
 EQUIPMENT MEETS STANDARDS.

TRANSPONDER MODEL RT70 SN ~~11822~~ 11822  
 SIGNED [Signature]  
 ISLAND AVIATION, INC  
 FAA REPAIR STATION KC0R492F  
 1000 AIRPORT RD  
 FERNANDINA BEACH, FL 32034  
6/18/10





Statements in Blocks 14 and 19 do not constitute installation certificate with national regulations by the user/installer before the aircraft may  
**THE FAA form 8130-3 and JAA Form One are rents.**  
 FAA Form 8130-3 (6-01) \*Installer must cross-check eff

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description
2010				Entries must be entered by a Licensed Aircraft Technician or Repair Facility. (See page 2)
DATE				
11/22/10	N215RW S/N: E-2965.	ACFT: 1500.7	Engine IO-550-B, S/N: 675989, TT: 1500.7, Tach: 1500.7	
	Performed an annual aircraft inspection in accordance with Beechcraft 100-Hour/Annual Inspection Form from Raytheon Bonanza Series Maintenance Manual Chapter 5-20-00 and 14 CFR Part 43 Appendix D. Airworthiness Directives researched through November 22, 2010 as of Biweekly 2010-2425.			
	Air conditioner condenser cleaned and positioning op check sat. A/C belt tension sat. A/C op check sat.			
	Bracket BA7112 induction air filter replaced with new BA7112 filter. Complied with Bracket STC-SA71GL instructions for Continued Airworthiness Inspection document L-194 dated 3-16-94.			
	Brake system lines, hoses, discs, parking brake, and fluid reservoir inspected, MIL-H-5606 added to system as required.			
	Cable tensions (aileron & trim rudder, elevator & trim, main gear up lock) tested. All tension measurements in spec.			
	Cow flap rigging inspection & op check sat.			
	ARTEX ELT Model 110-4, S/N 54754 inspected and tested IAW applicable aircraft and ELT manufacturer's instructions and applicable FAA guidance. The ELT meets the requirements of FAR 91.207(d).			
	Fuel selector valve strainer screen removed, cleaned, and inspection, sat.			
	Auxiliary fuel pump, Duke's JAN 4613-00-5, S/N 013110 removed from aircraft and sent for overhaul. Overhauled pump reinstalled per Beech maintenance manual and operation test satisfactory.			
	Tip tank transfer pump fuel filter screens removed and cleaned, and tanks vent checked for blockage IAW J.L. Osborne P/N 668-7 Continued Airworthiness System Maintenance Instructions.			
	Pressure air pump wear limit test performed on RAPCO RA442CW, S/N: 1799, in accordance with manufacturer's instructions. Pressure pump vanes found within normal wear limits.			

Continued on next page.



**Description of Inspections, Tests, Repairs and Alterations**  
 Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

YEAR: 2010	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	
1/22/10	N215RW S/N: E-2965,		ACTT: 1500.7	Engine IO-550-B, S/N: 675989, TT: 1500.7, Tach: 1500.7
	Primary instrument air intake filter, RAPCO RA-D9-14-5 & inline filter, RAPCO RA-1J4-7 replaced with new RAPCO filters of the same part numbers.			
	Standby instrument air intake RAPCO RA-D9-14-5 and inline RAPCO RA-1J4-7 filters inspected. Condition satisfactory.			
	Primary & standby air pressure pumps op check sat.			
	Landing gear inspected, tested and serviced per Beech maintenance manual.			
	Landing gear electrical, manual, down-lock cable tensions, and throttle warning horn operational tests sat.			
	Shimmy damper removed, serviced with MIL-H-5606 per Beech maintenance manual. Op check sat.			
	Staff warning alarm test satisfactory.			
	Standby Gyro and Generator op check satisfactory.			
	Wheel bearings re-packed, landing gear lubricated, struts inspected, cleaned and serviced A/R.			
	Aircraft lubricated per Beech manual 35-59-0001-9.			
	Performed a ground run-up. All systems checked satisfactory.			
	Certify that this aircraft has been inspected in accordance with an Annual Inspection and is determined to be in an airworthy condition and approved for return to service.			
	Airworthiness Directives researched through November 22, 2010 as of Biweekly 2010-23/24.			
				<i>R. Wilson</i> 2185509 A&P, IA



YEAR: 2011 DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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- 12/17/11 N215RW S/N: E-2965, ACTT: 1538.9 Engine IO-550-B, S/N: 675989, TT: 1538.9, Tach: 1538.9 Brackett BA7112 induction air filter replaced with new BA7112 filter. Complied with Brackett STC-SA7 GL instructions for Continued Airworthiness Inspection document I-194 dated 3-16-94.
- ARTEX ELT Model 110-4, S/N 54754 inspected and tested IAW applicable aircraft and ELT manufacturer's instructions and applicable FAA guidance. The ELT meets the requirements of FAR 91.207(d).
- ARTEX ELT battery P/N 110-4, S/N 35 018-1092 replaced. Battery expiration Date November 2013.
- Tip tank transfer pump fuel filter screens removed and cleaned, and tanks vent checked for blockage IAW J.L. Osborne P/N 668-7 Continued Airworthiness System Maintenance Instructions.
- Primary instrument air intake filter, RAPCO RA-D9-14-5 & inline filter, RAPCO RA-114-7 replaced with new RAPCO filters of the same part numbers.
- Shimmy damper removed, serviced with MIL-H-5606 per Beech maintenance manual.
- Aircraft lubricated per Beech manual 35-59-0001-9.

Airworthiness Directives researched through December 15, 2011 as of Biweekly 2011-25/26; airworthiness compliance recorded in AD compliance list in aircraft maintenance log.

certify that this aircraft has been inspected in accordance with an Annual Inspection using 14 CFR Part 43 Appendix D and Beechcraft Bonanza Maintenance Manual Chapter 5-20-00 and was determined to be in an airworthy condition.

*R. Wells* 2185509 A&P/IA



Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

YEAR	TACH TIME	FLIGHT	TIME IN SERVICE	Notes
2011				
DATE				
12/1/11		N215RW	S/N: E-2905, ACTT: 1539.3, Engine IO-550-B, S/N: 675989, TT: 1539.3, Tach: 1539.3	
				The following autopilot components removed from aircraft and sent to Autopilots Central for bench testing, realignment, and calibration are required:
				• KI525A Pictorial Navigation Indicator, S/N: 83111
				• KS271A Roll Servo, S/N: 39694
				• KC192 Flight Computer S/N: 53611
				Flight Computer and Roll Servo bench check satisfactory. Pictorial Nav Indicator recalibrated and repaired as required. All instruments reinstalled IAW Beech Maintenance Manual. Equipment energized, ground test satisfactory.
				R. W. 2185509 A&P, IA

ISLAND AVIATION, INC.

602 Airport Road  
 FERNANDINA BEACH, FL 32035  
 Date: 6/28/12 Make: Beech Model: A36 SN# E 2965 N# N215RW  
 HOBBS Part: 1549.7 AFTT: 1549.7 W/O 8170  
 ATC Transponder test and inspections as required by 14CFR Part 91.217 and 91.413 in accordance with Appendices E and F have been performed. Equipment meets standards.  
 Transponder model: KFT70 SN: 11822

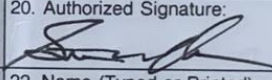
This Aircraft Airframe, Aircraft Engine, or Appliance identified herein was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. KCOR492F.

Signature: Harry Wealbert Date: 6/28/12



YEAR: 2011  
 DATE: 12/21/11  
 • The flight  
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 Flight Control  
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ISLAND  
 602 Airp  
 FERNA  
 Date: 6/30/12  
 HOBBS  
 ATC Train  
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 Transport  
 This Aircraft  
 current r

1. Approving National: Aviation Authority/Country: FAA/UNITED STATES		2. <b>AUTHORIZED RELEASE CERTIFICATE</b> FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG				3. Form Tracking Number: SH11 - 23458	
4. Organization Name and Address: FAA CRS #CM2R747K				AUTOPILOTS CENTRAL, INC. HANGAR 23, TULSA INT'L AIRPORT • TULSA, OKLAHOMA 74115		5. Work Order/Contract/Invoice Number: Same #3	
6. Item:	7. Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial/Batch No.:	12. Status/Work:	
1	PRIMARY SERVO	065-0060-01	N/A	1	3969A	INSPECTED	
13. Remarks: Reference attached service shop report for work performed. KS 271A							
14. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 13.				19. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 13 Certifies that unless otherwise specified in Block 13, the work identified in Block 12 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.			
15. Authorized Signature:		16. Approval/Authorization No.:		20. Authorized Signature: 		21. Approval/Certificate No.: CM2R747K	
17. Name (Typed or Printed):		18. Date:		22. Name (Typed or Printed): STEVEN W. CHAPMAN		23. Date (m/d/y): 11-10-11	
<b>User/Installer Responsibilities</b>							
It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.							
Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1.							
Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.							

FAA Form 8130-3 (6-01) \*Installer must cross-check eligibility with applicable technical data. NSN: 0052-00-012-9005

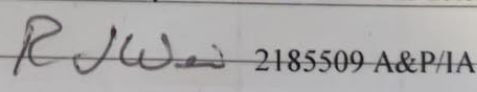
Signature: Roy Weather Date: 6/30/12

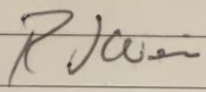




YEAR: 2012 DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
07/19/12	Tach: 1552.1	1 ACTT:	1552.1 N215RW	S/N: E-2965
	Performed the following aircraft maintenance repair:			
	<ul style="list-style-type: none"> <li>Removed existing engine driven RAPCO RA442CW primary air pressure pump and installed new RAPCO RA442CW air pump S/N: D6252, in accordance with manufacture's instructions vacins6/09.</li> </ul>			
	<ul style="list-style-type: none"> <li>Installed new garlock oil shaft seal, P/N: CW8017, and new RAPCO air filter, P/N: RA1J4-7 for the air pump. The 5/8" aluminum tubing extending from the air pump input to the RA1J4-7 filter input was removed, cleaned, and reinstalled with new Aeroquip 306 instrument air hose MIL-H-559, 5/8 ID, 7/8 OD in accordance with Beech Bonanza Maintenance Manual P/N: 36-590001-9.</li> </ul>			
	<ul style="list-style-type: none"> <li>Performed engine run-up. Air pressure pump operation satisfactory. US Department of Transportation FAA-P-8740-52 safety warning given to aircraft owner.</li> </ul>			
	<i>R. J. Wain</i> 2185509 A&P, IA			



YEAR: 2013 DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
01/10/13	N215RW	S/N: E-2965,	ACIT: 1565.5	Engine IO-550-B, S/N: 675989, TT: 1565.5, Tach: 1565.5
				<ul style="list-style-type: none"> <li>Brackett BA7112 induction air filter replaced with new BA7112 filter. Complied with Brackett STC-SA71GL instructions for Continued Airworthiness Inspection document I-194 dated 3-16-94.</li> </ul>
				<ul style="list-style-type: none"> <li>ARTEX ELT Model 110-4, S/N 54754 inspected and tested IAW applicable aircraft and ELT manufacturer's instructions and applicable FAA guidance. The ELT meets the requirements of FAR 91.207(d).</li> </ul>
				<ul style="list-style-type: none"> <li>Tip tank transfer pump fuel filter screens removed and cleaned, and tanks vent checked for blockage IAW J.L. Osborne P/N 668-7 Continued Airworthiness System Maintenance Instructions.</li> </ul>
				<ul style="list-style-type: none"> <li>Shimmy damper removed, serviced with MIL-H-5606 per Beech maintenance manual.</li> </ul>
				<ul style="list-style-type: none"> <li>Aircraft lubricated per Beech manual 35-59-0001-9.</li> </ul>
				Airworthiness Directives researched through January 4, 2013 as of Biweekly 2012-25/-26.
				Airframe Airworthiness Directive List included in N215RW Aircraft Maintenance Log.
				I certify that this aircraft has been inspected in accordance with an Annual Inspection using 14 CFR Part 43 Appendix D and Beechcraft Bonanza Maintenance Manual Chapter 5-20-00 and was determined to be in an airworthy condition.
				<div style="text-align: right;">  </div>

YEAR: 2014 DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
02/7/14	N215RW	S/N: E-2965,	ACTT: 1571.8	Engine IO-550-B, S/N: 675989, TT: 1571.8, Tach: 1571.8 <ul style="list-style-type: none"> <li>Complied with Brackett STC-SA71GL instructions for Continued Airworthiness Inspection document I-94 dated 3-16-94.</li> <li>New ARTEX ELT battery P/N 110-4, S/N 361418-024 installed IAW ARTEX bulletin 571-0130. New battery expiration Date June 2016.</li> <li>ARTEX ELT Model 110-4, S/N 54754 inspected and tested and meets the requirements of FAR 91.207(d).</li> <li>Shimmy damper removed, serviced with MIL-H-5606 per Beech maintenance manual.</li> </ul> Airworthiness Directives researched through January 30, 2014 as of Biweekly 2014-02/03. Airframe and Appliance Airworthiness Directive Lists included in N215RW Aircraft Maintenance Log.
				I certify that this aircraft has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition.
				 2185509 A&P/IA



YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
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2014

Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

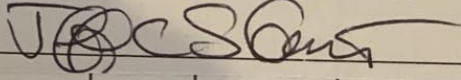
DATE  
ISLAND AVIATION INC.

602 Airport Road  
FERNANDINA BEACH, FL 32034

Date: 07/01/14 Make: Beechcraft Model: A-36 SN# E-2965 N# 215RW  
HOBBS: 1574.5 TACH: N/A AFTT: 1574.5 W/O # 8843

I certify that the Altimeter and static system tests required by CFR 14 Part 91.411 have been performed. The altimeter was tested to 20,000 feet.

This Aircraft, Airframe, or Appliance identified herein was repaired or inspected IAW current regulations of the Federal Aviation Administration and is approved for return to service. KCOR492F

Signature:  Date: 07/01/14

ISLAND AVIATION INC.

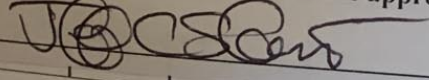
602 Airport Road  
FERNANDINA BEACH, FL 32034

Date: 07/01/14 Make: Beechcraft Model: A-36 SN# E-2965 N# 215RW  
HOBBS: 1574.5 TACH: N/A AFTT: 1574.5 W/O# 8843

ATC Transponder test and inspections as required by 14CFR Part 91.217 and 91.413 IAW Appendices E and F have been performed. Equipment meets standards.

Transponder model: Bendix/King KT70 S/N: 11822

This Aircraft, Airframe, or Appliance identified herein was repaired or inspected IAW current regulations of the Federal Aviation Administration and is approved for return to service. KCOR492F

Signature:  Date: 07/01/14



YEAR: 2014  
 RECORDING TACH TIME  
 TODAY'S FLIGHT  
 TOTAL TIME IN SERVICE

**Description of Inspections, Tests, Repairs and Alterations**  
 Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries)

ISLAND AVIATION INC.  
 602 Airport Road  
 FERNANDINA BEACH, FL 32034

Date: 07/01/14 Make: Beechcraft Model: A-36 SN# E-2965 N# 215RW  
 HOBBS: 1574.5 TACH: N/A AFTT: 1574.5 W/O # 8843

I certify that the Altimeter and static system tests required by CFR 14 Part 91.411 have been performed. The altimeter was tested to 20,000 feet.

This Aircraft, Airframe, or Appliance identified herein was repaired or inspected IAW current regulations of the Federal Aviation Administration and is approved for return to service. KCOR492F

Signature: JRCS

Date: 07/01/14

FAA Certified Repair Station KCOR492F  
 Island Aviation Services, Inc. 6-Pilot  
 602 Airport Road UNITED 5934-3A  
 Fernandina Bch., FL 32034 Form 6B SN OK422

FAA Certified Repair Station KCOR492F Pilot  
 Island Aviation Services, Inc. KEA-346 ENC/ALT  
 602 Airport Road Form 6B  
 Fernandina Bch., FL 32034 SN 4486

ALTITUDE FT.	ALTIMETER READS	ALTITUDE FT.	ALTIMETER READS
-1000	-10	12000	+35
0	+5	14000	+70
500	+5	16000	+90
1000	+5	18000	+100
1500	0	20000	+110
2000	0	22000	X
3000	+10	25000	X
4000	+10	30000	X
6000	+10	35000	X
8000	+10		
10000	+15		

ALTITUDE FT.	ALTIMETER READS	ALTITUDE FT.	ALTIMETER READS
-1000	+5	12000	+25
0	+5	14000	+60
500	0	16000	+80
1000	0	18000	+60
1500	-5	20000	+80
2000	-5	22000	X
3000	-5	25000	X
4000	-10	30000	X
6000	-10	35000	X
8000	0		
10000	+10		

Date 7/1/14 Tested by JRCS

Date 7/1/14 Tested by JRCS





YEAR: 2016 DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
03/29/16				<p>N215RW S/N: E-2965, ACTT: 1578.6 Engine IO-550-B, S/N: 675989, TT: 1578.6, Tach: 1578.6</p> <ul style="list-style-type: none"> <li>Complied with Brackett STC-SA71GL instructions for Continued Airworthiness Inspection document I-194 dated 3-16-94. Brackett BA7112 induction air filter replaced with new BA7112 filter.</li> <li>ARTEX ELT battery P/N 452-0130 replaced. Battery expiration Date November 2018.</li> <li>ARTEX ELT Model 110-4, S/N 54754 inspected and tested and meets the requirements of FAR 91.207(d).</li> <li>Shimmy damper serviced per Beech maintenance manual.</li> <li>Primary and standby instrument air intake filters, RAPCO RA-1J4-7 replaced with new RAPCO filters of the same part numbers. Lot numbers 23315.</li> <li>Tip tank transfer pump fuel filter screens removed and cleaned, and tanks vent checked for blockage IAW J.L. Osborne P/N 668-7 Continued Airworthiness System Maintenance Instructions.</li> <li>Left Whelen navigation light W129028 replaced with new Whelen W129028 bulb. Operation satisfactory.</li> </ul> <p>Airworthiness Directives researched through March 28, 2016 as of Biweekly 2016-06/-07. Airworthiness Directives listed in N215RW Aircraft Maintenance Log.</p> <p>I certify that this aircraft has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition.</p>
				<p><i>R Jewi</i> 2185509 A&amp;P/IA</p>



YEAR: 2017 DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
	01/01/17	N215RW	S/N: E-2965	ACTT: 1579.9 Engine IO-550-B, S/N: 675989, TT: 1579.9, Tach: 1579.9 Propeller: McCauley Total Time: 1579.9 TSO: 524.8 Prop Model #: D3A32C409-C Blade Model #: G-82NDB-2 Blade S/N's: #1; PB178 #2; PB182 #3; PB199 This is to certify total aircraft hour as of January 1, 2017. <i>R. Jensen</i> 2185509 A&P/IA
	03/23/17	N215RW	S/N: E-2965	ACTT: 1579.9 Engine IO-550-B, S/N: 675989, TT: 1579.9, Tach: 1579.9 <ul style="list-style-type: none"> <li>Complied with Brackett STC-SA71GL instructions for Continued Airworthiness Inspection document I-194 dated 3-16-94.</li> <li>ARTEX ELT Model 110-4, S/N 54754 inspected and tested and meets the requirements of FAR 91.207(d). Airworthiness Directives researched through March 20, 2017 as of Biweekly 2017-05/-06. Airframe and Appliance Airworthiness Directive Lists included in N215RW Aircraft Maintenance Log.</li> </ul> I certify that this aircraft has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition. <i>R. Jensen</i> 2185509 A&P/IA

RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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**AVIATION REPAIR**  
ST. SIMONS ISLAND, GA

11 SE APRON DRIVE  
ST. SIMONS ISLAND,  
GEORGIA 31522  
912-638-8667

DATE: 01/18/2018  
N: 215RW  
LOG: AIRFRAME  
MAKE: BEECHCRAFT  
MODEL: A36  
S/N E2965  
TACH:  
HOBBS: 1580.1  
COMP. TIME:

TROUBLESHOT A/C SYSTEM. EVACUATED A/C SYSTEM AND SERVICED WITH 24 OZ OF R-134A REFRIGERANT. REMOVED LEFT MAIN LANDING GEAR FROM AIRCRAFT AND REPLACED SCRAPER SEAL (P/N: 504271), PACKING (P/N: MS28775-328), FELT (P/N: 35-815247-9), AND PACKING (P/N: MS28778-5). SERVICED WITH HYDRAULIC FLUID. RE-INSTALLED AND SERVICED WITH NITROGEN. OPS AND LEAK CHECK OK. REMOVED UPLOCK TENSIONER BOLT AND REINSTALLED PROPERLY. DISCONNECTED EGT AND CLEANED CONTACT POINTS, NO SIGN OF CORROSION. RECONNECTED CONTACT POINTS AND RE-APPLIED SHIELDING. OPS CHECK NORMAL.

*Handwritten signature: Kirk A. Ramsey*  
KIRK A. RAMSEY  
A&P 3543915 IA



YEAR:

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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>5685073</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>2737859</b>		
6. Item: <b>70</b>	7. Description: <b>SCRAPER SEAL</b>	8. Part Number: <b>504271</b>	9. Quantity: <b>1</b>	10. Serial Number: <b>N/A</b>	11. Status/Work: <b>New</b>	
12. Remarks: <b>AUTHORIZED RELEASE DOCUMENT</b> <b>PO#: 17-07348</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.			14a. <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 12 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.			
13b. Authorized Signature: <i>Terry Weeks</i>		13c. Approval/Authorization No.: <b>PC4</b>	14b. Authorized Signature:	14c. Approval/Certificate No.:		
13d. Name (Typed or Printed): <b>TERRY WEEKS</b>		13e. Date (dd/mm/yyyy): <b>26/Jun/2017</b>	14d. Name (Typed or Printed):	14e. Date (dd/mm/yyyy):		
<b>User/Installer Responsibilities</b>						
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s) propeller(s) article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.						

FAA Form 8130-3 (02-14)

NSN: 0052-00-012-9005

TACH:

HOBBS: 1580.1

COMP. TIME:

*Kirk A. Ramsey*  
**KIRK A. RAMSEY**  
 A&P 3543915 IA

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Certificate Number of  
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S. Work Order/Contract/Invoice Number:

21010

J. Form Tracking Number:

CATE

2018 DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
05/25/18	N215RW	S/N: E-2965	ACTT: 1580.6	<p>Engine IO-550-B, S/N: 675989, TT: 1580.6, Tach: 1580.6</p> <ul style="list-style-type: none"> <li>Complied with Brackett STC-SA71GL instructions for Continued Airworthiness Inspection document I-194 dated 3-16-94.</li> <li>ARTEX ELT Model 110-4, S/N 54754 inspected and tested and meets the requirements of FAR 91.207(d).</li> <li>Removed existing Gill G-242 battery, Beech P/N 36-380059-1 and replaced with new Gill G-242 battery, S/N G02690019.</li> <li>Installed new Rapco standby pressure/vacuum air pump part number 212CW, serial number 177253 with rebuilt drive motor part number EM917-5, serial number 1858 in accordance with manufactures instructions. Power on test satisfactory.</li> <li>Replaced Whelen tail beacon bulb with new Whelen 28V150W bulb part number 11-05091. Operation satisfactory.</li> <li>Shimmy damper serviced with MIL-H-5606 per Beech maintenance manual.</li> </ul> <p>Airworthiness Directives researched through May 25, 2018 as of Biweekly 2018-10/-11. Airframe and Appliance Airworthiness Directives Lists and Service Bulletin Compliance Records included in N215RW Aircraft Maintenance Log.</p> <p>I certify that this aircraft has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition.</p> <p style="text-align: right;"><i>R. J. Wein</i> 2185509 A&amp;P/IA</p>



YEAR: DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
2019	03/03/19	N215RW	S/N: E-2965, ACTT: 1580.9	Engine IO-550-B, S/N: 675989, TT: 1580.9, Tach: 1580.9 <ul style="list-style-type: none"> <li>Complied with Brackett STC-SA71GL instructions for Continued Airworthiness Inspection document I-194 dated 3-16-94.</li> <li>New ELT battery part number 452-0130 Rev. P, Serial Number 379450-034 installed in the ARTEX ELT Model 110-4, S/N 54754. Battery expiration date August 2021. ELT inspected, tested and meets the requirements of FAR 91.207(d).</li> </ul> Airworthiness Directives researched through March 1, 2019 as of Biweekly 2019-04/-05. Airframe and Appliance Airworthiness Directives Lists and Service Bulletin Compliance Records included in N215RW Aircraft Maintenance Log.  I certify that this aircraft has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition.
				<i>R. Wein</i> 2185509 A&P/IA

**ACR ELECTRONICS, Inc.**  
 Artex Products - CAGE Code 18560  
 Fort Lauderdale, FL 33312  
 LOG BOOK ENTRY 3-3-2019  
 E.L.T. BATTERY  
 REPLACEMENT DATE August 2021

**ACR ELECTRONICS, Inc.**  
 Fort Lauderdale, FL 33312 CAGE Code: 18560  
**ARTEX PRODUCTS**  
**BATTERY PACK: ELT 110-4**  
 PART NO: 452-0130 REV. P  
 S.N.:379450-034  
 EXP. DATE: AUG/2021  
 ENV CATC1A/DO183/XXXXXXXXBBBBB TSO C91a

ENGINE DESCRIPTION

MANUFACTURER CONTINENTAL MODEL IO-550-B

SERIAL NUMBER 675989 DATE OF MANUFACTURE \_\_\_\_\_

RATED BHP \_\_\_\_\_ RPM \_\_\_\_\_ MANIFOLD PRESSURE \_\_\_\_\_

FUEL REQUIRED OCTANE/PERFORMANCE \_\_\_\_\_

REGISTERED OWNER \_\_\_\_\_

STREET & NO. \_\_\_\_\_

CITY, STATE, ZIP \_\_\_\_\_

REGISTERED OWNER \_\_\_\_\_

STREET & NO. \_\_\_\_\_

CITY, STATE, ZIP \_\_\_\_\_











# PIEDMONT AVIATION SERVICES INC

Roanoke Regional Airport • 22 Waypoint Drive NW • Roanoke, VA 24012

REPAIR STATION #PIYR320K

N#: 336P      AC S/N: E-2965      DATE: 02-16-96      HOUR METER: 34.2      AC TT: 34.2  
 ENG MODEL: IO-550-B      ENG S/N: 675989      ENG TT: 34.2      TS O/H: - -      TS HSI: - -

Drained oil and serviced with 40wt Aeroshell mineral oil. Took oil sample. Removed filter and inspected, no metal found. Installed new filter. Ran engine, no leaks noted. --END--

APPROVED BY: [Signature]  
Inspector for Piedmont Aviation Services, Inc.  
Roanoke, VA RS-PIYR320K

W.O.# 31427  
Date 02-16-96      ACTT 34.2



# PIEDMONT AVIATION SERVICES INC

Roanoke Regional Airport • 22 Waypoint Drive NW • Roanoke, VA 24012

REPAIR STATION #PIYR320K

N#: 336P      AC S/N: E-2965      DATE: 05-30-96      HOUR METER: 51.3      AC TT: 51.3  
 ENG MODEL: IO-550-B      ENG S/N: 675989      ENG TT: 51.3      TS O/H: - -      TS HSI: - -

Drained oil and serviced with 50wt Aeroshell mineral oil. Took oil sample. Removed filter and inspected, no metal found. Installed new filter. Ran engine, no leaks noted. --END--

APPROVED BY: [Signature]  
Inspector for Piedmont Aviation Services, Inc.  
Roanoke, VA RS-PIYR320K

W.O.# 31724  
Date 05-30-96      ACTT 51.3



# PIEDMONT AVIATION SERVICES INC

Roanoke Regional Airport • 22 Waypoint Drive NW • Roanoke, VA 24012  
REPAIR STATION #PIYR320K

N#:	107KC	AC S/N:	E-2965	DATE:	06-14-96	HR METER:	69.2	AC TT:	69.2
ENG MODEL:	IO-550-B	ENG S/N:	675989	ENG TT:	69.2	TS O/H:	--	TS HSI:	--

Drained oil and serviced with 50wt Aeroshell oil. Removed filter and inspected, no metal found. Installed new filter. Ran engine, no leaks noted. --END--

APPROVED BY: [Signature]  
Inspector for Piedmont Aviation Services, Inc.  
Roanoke, VA RS-PIYR320K

W.O.# 31764  
Date 06-14-96 ACTT 69.2



# PIEDMONT AVIATION SERVICES INC

Roanoke Regional Airport • 22 Waypoint Drive NW • Roanoke, VA 24012  
REPAIR STATION #PIYR320K

N#:	107KC	S/N:	E-2965	DATE:	11-12-96	HR METER:	92.4	ACTT:	92.4
ENG M/N#:	IO-550-B	ENG S/N:	675989	ENG TT:	92.4	TSO:			

Drained oil and serviced with 40wt Aeroshell oil. Removed filter and inspected, no metal found. Installed new filter. Ran engine, no leaks noted. --END--

In reference to the work listed above, this aircraft was found in Airworthy condition and was approved for return to service. [Signature] Alfred L. Revels  
Inspector for Piedmont Aviation Services, Inc.

Roanoke, VA. RS-PIYR320K  
W.O.# 32129  
DATE 11-12-96 ACTT 92.4





## INSPECTION & MAINTENANCE RECORD



### PIEDMONT AVIATION SERVICES INC

Roanoke Regional Airport • 22 Waypoint Drive NW • Roanoke, VA 24012

REPAIR STATION #PIYR320K

N# : 107KC	S/N: E-2965	DATE: 04-02-97	HOURLMETER: 114.0	ACTT: 114.0
ENG M/N# : IO-550-B	ENG S/N: 675989	ENG TT: 114.0	TSO:	

Drained oil and serviced with 50wt Aeroshell oil. Removed filter and inspected, no metal found. Installed new filter. Ran engine, no leaks noted. --  
END--

In reference to the work listed above, this aircraft was found in Airworthy condition and was approved for return to service. *Alfred L. Revels* Alfred L. Revels

Inspector for Piedmont Aviation Services, Inc.  
Roanoke, VA. RS-PIYR320K

W.O.# 32481

DATE 04-02-97 ACTT 114.0



### PIEDMONT AVIATION SERVICES INC

Roanoke Regional Airport • 22 Waypoint Drive NW • Roanoke, VA 24012

REPAIR STATION #PIYR320K

N# : 107KC	S/N: E-2965	DATE: 08-01-97	HOURLMETER: 139.3	ACTT: 139.3
ENG M/N# : IO-550-B	ENG S/N: 675989	ENG TT: 139.3	TSO:	

Drained oil and serviced with 50wt Aeroshell oil. Removed filter and inspected, no metal found. Installed new filter. Ran engine, no leaks noted. -END-

In reference to the work listed above, this aircraft was found in Airworthy condition and was approved for return to service. *Alfred L. Revels* Alfred L. Revels

Inspector for Piedmont Aviation Services, Inc.  
Roanoke, VA. RS-PIYR320K

W.O.# 32746

DATE 08-01-97 ACTT 139.3



# INSPECTION & MAINTENANCE RECORD



## PIEDMONT AVIATION SERVICES INC

Roanoke Regional Airport • 22 Waypoint Drive NW • Roanoke, VA 24012  
REPAIR STATION #PIYR320K

N#:	107KC	S/N:	E-2965	DATE:	9-22-97	HOURMETER:	140.8	ACTT:	140.8
ENG M/N#:	IO-550-B	ENG S/N:	675989	ENG TT:	140.8	TSO:			

Performed a Annual Inspection using Beechcraft Inspection Form P/N 98-32227H as a guide. Performed a compression check #1 67/80, #2 74/80, #3 75/80, #4 74/80, #5 73/80, and #6 75/80. All compression's are within the limits of dynamic seal tolerances per SB 84-15. Complied with SID 97-2 and registered engine for Top Care Program. Ran engine, no leaks noted. -END-  
In reference to the work listed above, this aircraft was found in Airworthy condition and was approved for return to service. *[Signature]*

I certify that this aircraft has been inspected in accordance with an Annual Inspection and was determined to be in Airworthy condition.

APPROVED BY: *[Signature]*  
I.A. 2136570  
W.O.# 32819  
Date 09-22-97 ACTT 140.8

I.A. 2136570  
W.O.# 32819  
DATE 09-22-97 ACTT 140.8



## PIEDMONT AVIATION SERVICES INC

Roanoke Regional Airport • 22 Waypoint Drive NW • Roanoke, VA 24012  
REPAIR STATION #PIYR320K

N#:	107KC	S/N:	E-2965	DATE:	12-16-97	HOURMETER:	166.4	ACTT:	166.4
ENG M/N#:	IO-550-B	ENG S/N:	675989	ENG TT:	166.4	TSO:			

Drained oil and serviced with 40wt Aeroshell oil. Removed filter and inspected, no metal found. Installed new filter. Ran engine, no leaks noted. -END-  
In reference to the work listed above, this aircraft was found in Airworthy condition and was approved for return to service. *[Signature]* Alfred L. Revels  
Inspector for Piedmont Aviation Services, Inc.  
Roanoke, VA. RS-PIYR320K

W.O.# 33081  
DATE 12-16-97 ACTT 166.4





# PIEDMONT AVIATION SERVICES INC

Roanoke Regional Airport • 22 Waypoint Drive NW • Roanoke, VA 24012  
REPAIR STATION #PIYR320K

N#:	107KC	S/N:	E-2965	DATE:	06-24-98	HOURMETER:	200.8	ACTT:	200.8
ENG M/N#:	IO-550-B	ENG S/N:	675989	ENG TT:	200.8	TSO:			

Drained oil and serviced with 50wt Aeroshell oil. Removed filter and inspected, no metal found. Installed new filter. Ran engine, no leaks noted. -END-  
 In reference to the work listed above, this aircraft was found in Airworthy condition and was approved for return to service. Alfred L. Revels  
 Inspector for Piedmont Aviation Services, Inc.  
 Roanoke, VA. RS-PIYR320K  
 W.O.# 33515  
 DATE 06-24-98 ACTT 200.8



# PIEDMONT AVIATION SERVICES INC

Roanoke Regional Airport • 22 Waypoint Drive NW • Roanoke, VA 24012  
REPAIR STATION #PIYR320K

N#:	107KC	S/N:	E-2965	DATE:	10-01-98	HOURMETER:	224.6	ACTT:	224.6
ENG M/N#:	IO-550-B	ENG S/N:	675989	ENG TT:	224.6				

Performed a Annual Inspection using Beechcraft Inspection Form P/N 98-32227H as a guide. Drained oil and serviced with Aeroshell 15w50. Removed oil filter and inspected, no metal found. Installed new filter. Performed a compression check #1 67/80, #2 65/80, #3 73/80, #4 74/80, #5 74/80, and #6 75/80. All compression's are within the limits of dynamic seal tolerances per SB 84-15. Replaced two pins and springs on right magneto harness. Adjusted point gap on right magneto. Replaced left rear inter cylinder baffle support. Ran engine, no leaks noted. -END-

In reference to the work listed above, this aircraft was found in Airworthy condition and was approved for return to service. Wilbert Lencucha

I.A. 2136520  
 W.O.# 33749  
 DATE 10-01-98 ACTT 224.6

I certify that this aircraft has been inspected in accordance with an Annual Inspection and was determined to be in Airworthy condition.

APPROVED BY: Wilbert Lencucha  
 I.A. 2136520  
 W.O.# 33749  
 Date 10-01-98 ACTT 224.6



## INSPECTION & MAINTENANCE RECORD



**PIEDMONT AVIATION SERVICES INC**

Roanoke Regional Airport • 22 Waypoint Drive NW • Roanoke, VA 24012  
REPAIR STATION #PIYR320K

N#: 107KC	S/N: E-2965	DATE: 12-14-98	HOURMETER: 247.9	ACTT: 247.9
ENG M/N#: 10-550-B	ENG S/N: 675989	ENG TT: 247.9	TSO:	

Removed all fuel injectors and installed GAMI injector kit P/N GA013B, SN 4789 in accordance with STC SE09217SC. No change in weight and balance. See form 337. Ran engine, no leaks noted. -END-

In reference to the work listed above, this aircraft was found in Airworthy condition and was approved for return to service. *[Signature]* Alfred L. Revels  
Inspector for Piedmont Aviation Services, Inc.  
Roanoke, VA. RS-PIYR320K

W.O.# 33945  
DATE 12-14-98 ACTT 247.9

	2091.9 HRS	PERFORMED AN ANNUAL INSPECTION USING BEHA MODEL 36 INSPECTION GUIDE 98-32227H. A/D'S RESEARCHED UPTO BW 91-11. PERFORMED CYL DIFF. COMPRESSION CHECK #1 $60/80$ #2 $60/80$ #3 $60/80$ #4 $69/80$ #5 $90/80$ #6 $93/80$ JAW TCM SB MS4-15 MINIMUM FOR DAY 40PSI. CHANGED OIL AND FILTER, INSPECTED FILTER, REMOVE WITH NEW OIL 48109, SERVICED WITH 12 QT AEROSHALL 15050, SCAP SAMPLE TAKEN. CLEANED, GAPPED AND ROTATED SPARK PLUGS, GROUND RUN AND LEAK CHECK GOOD.
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## INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
3 JUNE 99	269.19 H	<p>I certify that this <u>ENGINE</u> has been                      inspected in accordance with <u>MANUAL</u>                      (BERN GUIDE 98-3229H)</p> <p>Inspection and has been found airworthy                      DATE <u>3 JUNE 99</u> WO# <u>44787</u>                      Signature <u>[Signature]</u> for PIQR321K                      Piedmont Aviation Services, Inc. Norfolk, Va.</p>



OIL CHANGED

AEROSHELL OIL W 15W50

AEROSHELL OIL W  65  80  100  120

AEROSHELL OIL  65  80  100  120

AEROSHELL MINERAL OIL

SERVICED	DATE	HOURS
OIL CHANGE	9-14-99	321.6
FILTER CHANGE	" "	" "

We feature quality Shell Motor Oils

RJ Wei

N107KC, S/N: E-2965 — Engine IO-550-B, S/N: 675989  
 09/17/99 ACTT: 321.6 EngTT: 321.6 Hobbs: 312.6

Drained oil, obtained sample, and filled sump with 12 quarts of Aeroshell 15W50. Installed new Champion CH48109 oil filter, torqued to 16.6 ft-lbs. (200 in-lbs.). No significant metal found in filter. Oil analysis normal.

Cleaned and gapped spark plugs. Rotated plugs per firing order, torqued to 330 in-lbs. (27.5 ft-lbs.).

Serviced battery — checked electrolyte level and charge.

RJ Wei 9-17-99  
 COMM 2185509



# INSPECTION & MAINTENANCE RECORD

INSPECTION OR MAINTENANCE PERFORMED  
AGENCY & CERTIFICATE NO.

DATE	TOTAL TIME	DESCRIPTION
		N215RW S/N: E-2965 Engine IO-550-B S/N: 675989 06/11/00 ACTT: 428.5 EngTT: 428.5 Tach: 428.5 Removed Champion RHB32E spark plugs, cleaned, gapped to 0.016", installed with new copper washers and Champion 2612 Anti-Seize, torqued to 27.5 ft-lbs. (330 in-lbs.). Performed differential compression test in accordance with TCM SB M84-15; #1 68/80, #2 69/70, #3 70/80, #4 70/80, #5 70/80, #6 69/80. All compressions are within limits. RJW 478540663 A&P
22 Jun 00		Performed an Annual Insp IAW a Beechcraft
ACTT	428.5	Annual Inspection Guide P/N 98-32227H AO's researched
TSN	428.5	thru 2000-10 Biweekly Cylinder Compression results ① <sup>66</sup> / <sub>80</sub> ② <sup>62</sup> / <sub>80</sub> ③ <sup>71</sup> / <sub>80</sub> ④ <sup>73</sup> / <sub>80</sub> ⑤ <sup>71</sup> / <sub>80</sub> ⑥ <sup>69</sup> / <sub>80</sub> min of Day IAW S/B M84-15 44PSI. Removed and cleaned all GAMI Fuel injectors, reinstalled. Ground Run up and Leak Ck Good. No defects noted. w.o. \$554. See Sign off NEXT page End:
		Continued →

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TS



## INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
22 Jun 00		Continued → I certify that this <u>Engine</u> <small>(has been)</small> inspected in accordance with <u>Annual Beach</u> <u>Guide 98-32274</u> Inspection and has been found airworthy DATE <u>22 Jun 00</u> WO# <u>554</u> Signature <u>[Signature]</u> for PIQR321K Piedmont Aviation Services, Inc. Norfolk, Va.
ACTT	428.5	
TSN	428.5	

N215RW S/N: E-2965 Engine IO-550-B S/N: 675989  
08/31/00 ACTT: 466.0 EngTT: 466.0 Tach: 466.0

Removed spark plugs, cleaned, gapped to 0.016", rotated top to bottom and with firing order. Re-installed with Champion 2612 Anti-Seize and new copper washers, torqued to 330 in-lbs. (27.5 ft-lbs.). Inspected and cleaned ignition harness terminal connectors prior to installation on plugs.

Serviced battery, added distilled water. Electrolyte level checked satisfactory.

Performed flight check, engine run-up satisfactory.

R J Wren 478540663 ARP



SECTION & MAINTENANCE RECORD

INSPECTION OR MAINTENANCE PERFORMED  
AGENCY & CERTIFICATE NO.

N215RW S/N: E-2965 Engine IO-550-B S/N: 675989

08/31/00 ACTT: 466.0 EngTT: 466.0 Tach: 466.0

Removed the following Stratoflex rubber hoses:

1. P/N: 130524-3-0180 Lubrication
2. P/N: 130524-4-0170 Fuel
3. P/N: 130524-6-0185 Fuel
4. P/N: 330995F-4-0064 Fuel

Replaced with life-time Stratoflex Teflon hoses, with stainless steel braid, red silicone fire sleeve & stainless steel fittings:

1. P/N: 124F001-3CR-0180 Lubrication
2. P/N: 124F001-4CR-0170 Fuel
3. P/N: 124F001-6CR-0185 Fuel
4. P/N: 124F001-4CR-0065 Fuel

Performed flight check, re-inspected hoses, installation satisfactory.

The following Aeroquip Teflon hoses, with stainless steel braid, red silicone fire sleeve & stainless steel fittings are life-time hoses and do not require replacement:

1. 00624-AE3663753E0320 Fuel, Qty 1
2. 00624-AE3663753E0410 Fuel, Qty 2

RJW 478540663 A&P

## INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
		<p>N215RW S/N: E-2965 Engine IO-550-B S/N: 675989                      08/31/00 ACTT: 466.0 EngTT: 466.0 Tach: 466.0</p> <p>With engine hot, drained oil, obtained sample. Installed new Champion CH48109 oil filter with DC-4 on gasket, torqued to 17 ft-lbs. (200 in-lbs.) and safety wired. Filled sump with 12 quarts of Aeroshell 15W50.</p> <p>Performed flight check, re-inspected oil filter, installation satisfactory.</p> <p>Cut open old filter. Inspected filter element visually and with a magnet. No significant non-ferrous metal observed with a magnifying glass. No significant ferrous metal obtained with a magnet. Oil sample sent for analysis.</p>



**MAINTENANCE/  
SERVICE  
REMINDER**

**OIL CHANGED**

AEROSHELL OIL W 15W50    
 AEROSHELL OIL W  65  80  100  120   
 AEROSHELL OIL  65  80  100  120   
 AEROSHELL MINERAL OIL

SERVICED	DATE	HOURS
OIL CHANGE	8/31/00	466
FILTER CHANGE	8/31/00	466

We feature quality Shell Motor Oils



*RdWai*  
47854 0663  
A&P



# INSPECTION & MAINTENANCE RECORD

INSPECTION OR MAINTENANCE PERFORMED  
AGENCY & CERTIFICATE NO.

DATE	TOTAL TIME
18 Jun 01	574.2
TSN	574.2

I certify that this Engine has been inspected in accordance with Annual Insp  
The Beech Long Guide P/N 98-322274

Inspection and has been found airworthy

DATE 18 Jun 01 WOS \$2237

Signature [Signature] for PIQR321K

Piedmont Aviation Services, Inc. Norfolk, Va.



**MAINTENANCE/  
SERVICE  
REMINDER**

N215RW S/N: E-2965 Engine IO-550-B S/N: 675989

08/30/01 ACTT: 612.5 EngTT: 612.5 Tach: 612.5

With hot engine, drained oil, obtained sample. Installed new Champion CH48109 oil filter, torqued to 17 ft-lbs. (200 in-lbs.) and safety wired. Filled sump with 12 quarts of Aeroshell 15W50.

Performed flight check, re-inspected oil filter, installation satisfactory.

Cut open old filter. Inspected filter element visually and with a magnet. No significant non-ferrous metal observed with a magnifying glass. No significant ferrous metal obtained with a magnet. Oil sample sent for analysis. Oil analysis report normal.

[Signature] 478540663 A & P

### OIL CHANGED

AEROSHELL OIL W 15W50   
 AEROSHELL OIL W 65 80 100 120  
 AEROSHELL OIL 65 80 100 120  
 AEROSHELL MINERAL OIL

SERVICED	DATE	HOURS
OIL CHANGE	8/30/01	612
FILTER CHANGE	"	"

We feature quality Shell Motor Oils



NEXT  $\Delta$   
662



## INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
		N215RW S/N: E-2965 Engine IO-550-B S/N: 675989 08/30/01 ACTT: 612.5 EngTT: 612.5 Tach: 612.5 Removed spark plugs, cleaned, gapped to 0.016", rotated top to bottom and with firing order. Re-installed with Champion 2612 Anti-Seize and new copper washers, torqued to 330 in-lbs. (27.5 ft-lbs.). Inspected and cleaned ignition harness terminal connectors prior to installation on plugs. Serviced battery, added distilled water. Electrolyte level checked satisfactory. Engine run-up and flight check, satisfactory. <div style="text-align: right;"><i>RJW</i> 478540663 A &amp; P</div>
		N215RW S/N: E-2965 Engine IO-550-B S/N: 675989 12/16/01 ACTT: 661.3 EngTT: 661.3 Tach: 661.3 With hot engine, drained oil, obtained sample. Installed new Champion CH48109 oil filter, torqued to 17 ft-lbs. (200 in-lbs.) and safety wired. Filled sump with 12 quarts of Aeroshell 15W50. Performed flight check, re-inspected oil filter, installation satisfactory. Cut open old filter. Inspected filter element visually and with a magnet. No significant non-ferrous metal observed with a magnifying glass. No significant ferrous metal obtained with a magnet. Oil sample sent for analysis. Oil analysis report normal. <div style="text-align: right;"><i>RJW</i> 478540663 A &amp; P</div>



**MAINTENANCE/  
SERVICE  
REMINDER**

### OIL CHANGED

AEROSHELL OIL W 15W50  
 AEROSHELL OIL W 65  80  100  120  
 AEROSHELL OIL  65  80  100  120  
 AEROSHELL MINERAL OIL

SERVICED	DATE	HOURS
OIL CHANGE	12/16/01	661.3
FILTER CHANGE	"	"

We feature quality Shell Motor Oils



NEXT Δ

712





## INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
		N215RW S/N: E-2965 Engine IO-550-B S/N: 675989
		02/24/02 ACTT: 676.0 EngTT: 676.0 Tach: 676.0
		Removed spark plugs, cleaned, gapped to 0.016". Re-installed, with new copper washers, rotating top to bottom and with firing order, torqued to 330 in-lbs. (27.5 ft-lbs.). Inspected and cleaned ignition harness terminal connectors prior to installation on plugs.
		Removed GAMInjectors. Cleaned and re-installed in accordance with GAMI instructions.
		Engine run-up and flight check, satisfactory.
		<i>RJW</i> 478540663 A & P
		N215RW S/N: E-2965 Engine IO-550-B S/N: 675989
		04/15/02 ACTT: 707.0 EngTT: 707.0 Tach: 707.0
		With engine hot, drained oil and obtained sample. Installed new Champion CH48109 oil filter, torqued to 17 ft-lbs. (200 in-lbs.) and safety wired. Filled sump with 12 quarts of Aeroshell 15W50. Performed flight check, re-inspected oil filter, installation satisfactory.
		Cut open old filter. Inspected filter element visually and with a magnet. No significant non-ferrous metal observed with a magnifying glass. No significant ferrous metal obtained with a magnet. Oil sample sent for analysis. Oil analysis report normal.
		<i>RJW</i> 478540663 A & P



# INSPECTION & MAINTENANCE RECORD

INSPECTION OR MAINTENANCE PERFORMED  
AGENCY & CERTIFICATE NO.

DATE TOTAL TIME



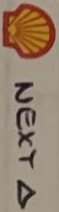
**MAINTENANCE SERVICE REMINDER**

**OIL CHANGED**

AEROSHELL OIL W/ 1515PS  X  
 AEROSHELL OIL W/ 65  80  100  120  
 AEROSHELL OIL  65  80  100  120  
 AEROSHELL MINERAL OIL

SERVICED	DATE	HOURS
OIL CHANGE	4/15/02	707.0
FILTER CHANGE	"	"

We feature quality Shell Motor Oils



**NEXT**

757

N215RW S/N: E-2965 Engine IO-550-B S/N: 675989  
 04/15/02 ACTT: 707.0 EngTT: 707.0 Tach: 707.0  
 Removed spark plugs, cleaned, gapped to 0.016". Re-installed, with Champion 2612 Anti-Seize and new copper washers; rotating top-to-bottom and with firing order; torqued to 330 in-lbs. (27.5 ft-lbs.) Inspected and cleaned ignition harness terminal connectors prior to installation on plugs.  
 Removed GAMIflectors. Cleaned and re-installed in accordance with GAMII instructions.  
 Serviced battery; added distilled water. Electrolyte level checked satisfactory.  
 Engine run-up and flight check, satisfactory.

*[Signature]* 478540663 A & P







# INSPECTION & MAINTENANCE RECORD

INSPECTION OR MAINTENANCE PERFORMED  
AGENCY & CERTIFICATE NO.

DATE	TOTAL TIME



**MAINTENANCE/ SERVICE REMINDER**

**OIL CHANGED**

AEROSHELL OIL W/ 15W50  
 AEROSHELL OIL W/ 65  80  100  120  
 AEROSHELL OIL  65  80  100  120  
 AEROSHELL MINERAL OIL

SERVICE	DATE	HOURS
OIL CHANGE	6/20/02	742
FILTER CHANGE	11	11

**Next**

792

N215RW S/N: E-2965 Engine IO-550-B S/N: 675989  
 06/20/02 ACTT: 742.0 EngTT: 742.0 Tach: 742.0  
 With engine warm, drained oil, obtained sample. Installed new  
 Champion CH48109 oil filter, torqued to 17 ft-lbs. (200 in-lbs.)  
 and safety wired. Filled sump with 11 quarts of Aeroshell 15W50.  
 Performed flight check, re-inspected oil filter, installation  
 satisfactory.  
 Cut open old filter. Inspected filter element visually and with a  
 magnet. No significant non-ferrous metal observed with a  
 magnifying glass. No significant ferrous metal obtained with a  
 magnet. Oil sample sent for analysis.

*R. Jones* 478540663 A & P









# INSPECTION & MAINTENANCE RECORD

INSPECTION OR MAINTENANCE PERFORMED  
AGENCY & CERTIFICATE NO.

DATE TOTAL TIME  
ENGINE MODEL: IO-550-B  
ENGINE S/N: 675989  
REG. NO.: N215RW  
WORK ORDER: 15755

**Aerodyne Corporation**  
5198 West Military Highway  
Chesapeake, VA 23321 USA  
Repair Station No. HO1R-199K

DATE: 11/13/2002  
TTA: 799.50  
TTE: 799.50  
HOBS: 799.50

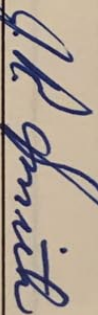
## Engine Entries

(1) Performed engine compression check. #2 cylinder 32/80 psig, #3 cylinder 50/80 psig.... (2) Removed #2 cylinder. Found stuck oil control ring and worn compression rings. Inspected cylinder bore and found to be within service limits. Honed cylinder bore. Pressure checked valves at 80/80 psig. Cleaned piston and pin. Installed new piston ring set. Reinstalled #2 cylinder.... (3) Removed #3 cylinder. Found stuck oil control ring and worn compression rings. Found minor amount of metal flakes in cylinder bore. Inspected cylinder bore and found to be within service limits. Honed cylinder bore. Pressure checked valves at 80/80 psig. Cleaned piston and pin. Installed new piston ring set. Reinstalled #3 cylinder.... (4) Removed cylinders 1, 4, 5 & 6. Found piston rings worn. Removed #2 cylinder. Inspected cylinder bores and found to be within service limits. Honed cylinder bores. Pressure checked valves at 80/80 psig. Cleaned pistons and pins. Installed new piston ring sets. Reinstalled cylinders 1, 4, 5 & 6.... (5) Removed alternator. Inspected alternator gear, crankshaft gear, camshaft gear and propeller governor drive gears. No damage noted. Gears in good condition with no metal loss. Reinstalled alternator.... (6) Removed starter and inspected starter drive ball bearings. No damage noted. Bearings in good condition. Reinstalled starter.... (7) Removed left and right magnetos. Inspected impulse couplings and drive gears. No damage noted. Reinstalled left and right magnetos.... (8) Removed #2 connecting rod. Inspected bearings. No damage noted. Reinstalled #2 connecting rod.... (9) Inspected camshaft lobes and tappet bodies. No damage noted. ... (10) Borecope inspected accessory section drive gears. No damage noted. Gears in good condition.... (11) Removed oil filter and opened for inspection. No contamination found.... (12) Changed engine oil and filter. Installed 12 quarts of Aeroshell 80 Mineral oil and Champion CH48109 oil filter.... (13) Analysis of engine inspection: No damage found in areas of engine that were inspected. Unable at this time to determine source of metal contamination found by customer. Teledyne Continental Motors analysis of material found in oil filter: "Material in filter paper mostly carbon chips. Magnetic material in bag is comprised of rusty chips and slivers of unknown origin....re-check at next oil change"  
Aerodyne's recommendation: Inspect oil filter every 10 flight hours for 20 hours. If additional contamination is found at each filter inspection remove engine from service. If no additional contamination is found, resume normal oil change and filter inspection intervals....

The engine identified hereon was repaired in accordance with current Federal Aviation Regulations and found airworthy for the work performed.

DATE: 11/13/2002

SIGNED:



WORK ORDER: 15755

Certified Repair Station No. HO1R-199K

Printed by EBIS (<http://www.datcomedia.com>)



# INSPECTION & MAINTENANCE RECORD

INSPECTION OR MAINTENANCE PERFORMED  
AGENCY & CERTIFICATE NO.

DATE	TOTAL TIME



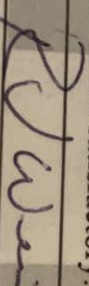
**OIL CHANGED**

AEROSHELL OIL W/ 15W50  
 AEROSHELL OIL W/ 65  80  100  120  
 AEROSHELL OIL  65  80  100  120  
 AEROSHELL MINERAL OIL

SERVICED	DATE	HOURS
OIL CHANGE	3/24/03	842.0
FILTER CHANGE	11	11

We feature quality Shell Motor Oils  
**NEXT A**  
**867 HRS**

N215RW S/N: E-2965 Engine IO-550-B S/N: 675989  
 03/24/03 ACTT: 842.0 EngTT: 842.0 Tach: 842.0  
 Drained engine oil and obtained sample for analysis. Installed new Champion CH48109 oil filter, torqued to 17 ft-lbs. (200 in-lbs.) and safety wired. Filled sump with 12 quarts of Aeroshell 15W50 oil.  
 Cut open old filter. Inspected filter element visually and with a magnet. No significant non-ferrous metal observed with a magnifying glass. Trace amount ferrous metal obtained with a magnet. Attribute ferrous metal to break-in of cylinders following engine top overhaul. Recommend oil change and filter examination in twenty-five hours.  
 Performed engine run-up, re-inspected oil filter, no oil leaks detected, installation satisfactory.

 478540663 A & P



# INSPECTION & MAINTENANCE RECORD

INSPECTION OR MAINTENANCE PERFORMED  
AGENCY & CERTIFICATE NO.

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
		<p><b>INSPECTION &amp; MAINTENANCE RECORD</b></p> <p>INSPECTION OR MAINTENANCE PERFORMED AGENCY &amp; CERTIFICATE NO.</p>
		<p>N21SRW S/N: E-2965 Engine IO-550-B S/N: 675989</p> <p>05/07/03 ACTT: 864.6 EngTT: 864.6 Tach: 864.6</p> <ul style="list-style-type: none"> <li>• Removed spark plugs, cleaned, &amp; gapped to 0.016". Re-installed plugs with Champion 2612 Anti-Seize and new copper washers, rotating top to bottom and with firing order. Plugs torqued to 330 in-lbs. Inspected and cleaned ignition harness terminal connectors prior to installation on plugs.</li> <li>• Removed all GAMInjectors. Cleaned in accordance with GAMII instructions &amp; reinstalled.</li> <li>• Performed differential compression test in accordance with TCM SB M84-15; #1 74/80, #2 72/70, #3 70/80, #4 78/80, #5 75/80, #6 73/80. All compressions within limits.</li> <li>• Installed new GEM system EGT probe (P/N: 2870) in the #5 cylinder. Original probe was intermittent in operation. GEM operation satisfactory.</li> <li>• Drained engine oil and obtained sample for analysis. Installed new Champion CH48109 oil filter, torqued to 16 ft-lbs. and safety wired. Filled sump with 12 quarts of Aeroshell 15W50 oil. Cut open old filter. Inspected filter element visually and with a magnet. No significant ferrous or non-ferrous metal found. Performed engine run-up, re-inspected oil filter, no oil leaks detected, oil change satisfactory.</li> </ul> <p style="text-align: right;"><i>R. W. W.</i>      478540663 A &amp; P</p>



**MAINTENANCE/ SERVICE REMINDER**

**OIL CHANGED**

AEROSHELL OIL W/ 15W50 <input checked="" type="checkbox"/>		
AEROSHELL OIL W <input type="checkbox"/> 65 <input type="checkbox"/> 80 <input type="checkbox"/> 100 <input type="checkbox"/> 120	AEROSHELL OIL <input type="checkbox"/> 65 <input type="checkbox"/> 80 <input type="checkbox"/> 100 <input type="checkbox"/> 120	
AEROSHELL MINERAL OIL <input type="checkbox"/>		
SERVICED	DATE	HOURS
	5/7/03	864.0
FILTER CHANGE <input type="checkbox"/>		
We feature quality Shell Motor Oils		
NEXT		
\$ 89		



TOTAL  
TIME

# INSPECTION & MAINTENANCE RECORD

INSPECTION OR MAINTENANCE PERFORMED  
AGENCY & CERTIFICATE NO.

N215RW S/N: E-2965 Engine IO-550-B S/N: 675989  
06/29/03 ACTT: 881.2 EngTT: 881.2 Tach: 881.2

- Performed the following engine maintenance:
- Engine timing check and set at 22° BTC
  - Exhaust manifold heater shroud removed. No evidence of muffler failure or exhaust leakage observed.
  - Idle RPM and mixture test sat.
  - Ignition switch ground test and magneto drop-off check sat.

*R. Allen*  
478540663 A&P

# INSPECTION & MAINTENANCE RECORD

INSPECTION OR MAINTENANCE PERFORMED  
AGENCY & CERTIFICATE NO.

DATE TOTAL TIME



6101 Burton Station Rd.  
Norfolk, VA 23502  
(757) 857-3413

<http://www.flypedmont.com/orf/>

Reference WO#: S5504

Aircraft #	N215RW	TAF	881.2	Position	Front
Eng. Make:	TCM	Hour Meter	881.2	Total Time	881.2
Eng. Model:	IO-550B				
Eng. S/N:	675989				

201. Performed Compression Check. Results as follows: #1 65/80, #2 65/80, #3 70/80, #4 65/80, #5 67/80, #6 74/80.

Researched and inspected Continuing Airworthiness items from aircraft records.

ADS researched through Bi-Weekly 2003-13.

I certify that this engine has been inspected in accordance with an **Annual Inspection** using Raytheon Bonanza Series Maintenance Manual 100HR/ Annual Inspection Guide Chapter 5-20-00, and is determined to be in Airworthy condition.

The maintenance operations described above were performed and inspected in accordance with the applicable rules of 14CFR part 43, and with respect to the work performed, this aircraft is approved for return to service.

Signed:

Date:

7/11/23

CRS# PIQR321K



# INSPECTION & MAINTENANCE RECORD

INSPECTION OR MAINTENANCE PERFORMED  
AGENCY & CERTIFICATE NO.

DATE \_\_\_\_\_ TOTAL TIME \_\_\_\_\_



### OIL CHANGED

MESSERS OIL # 15951  
 MESSERS OIL # 85  80  100  120  
 MESSERS OIL # 85  80  100  120  
 MESSERS UNIVERSAL OIL  
 SERVICES DATE HOURS  
 OIL CHANGE 4/3/03 909  
 FILTER CHANGE " "

NEXT Δ  
959

N215RW S/N: E-2965 Engine IO-550-B S/N: 675989  
 09/03/03 ACTT: 909.0 EngTT: 909.0 Tach: 909.0

- Removed spark plugs, cleaned, & gapped to 0.016". Re-installed plugs with Champion 2612 Anti-Seize and new copper washers, rotating top to bottom and with firing order. Plugs torqued to 330 in-lbs. Inspected and cleaned ignition harness terminal connectors prior to installation on plugs.
- Removed all GAM injectors. Cleaned in accordance with GAM I instructions & reinstalled.
- Performed differential compression test in accordance with TCM SB M84-15; #1 70/80, #2 66/70, #3 69/80, #4 73/80, #5 70/80, #6 70/80. All compressions within limits.
- Drained engine oil and obtained sample for analysis. Installed new Champion CH48109 oil filter, torqued to 16 ft-lbs. and safety wired. Filled sump with 12 quarts of AeroShell 15W50 oil. Ctr open old filter. Inspected filter element visually and with a magnet. No significant ferron or non-ferronous metal found. Performed engine run-up, re-inspected oil filter, no oil leaks detected, oil change satisfactory.

*R. Davis* 478540663 A & P



# INSPECTION & MAINTENANCE RECORD

INSPECTION OR MAINTENANCE PERFORMED  
AGENCY & CERTIFICATE NO.

DATE TOTAL TIME



**MAINTENANCE/  
SERVICE  
REMANDER**

**OIL CHANGED**

AEROSHELL OIL W/ 15W/50  X  
 AEROSHELL OIL W/  65  80  100  120  
 AEROSHELL OIL  65  80  100  120  
 AEROSHELL MINERAL OIL

SERVICE	DATE	HOURS
OIL CHANGE	12/14/03	959
FILTER CHANGE	N	"

We feature quality Shell Motor Oils



**NEXT A**  
1009

N215RW S/N: E-2965 Engine IO-550-B S/N: 675989  
 12/14/03 ACTT: 959.4 EngTT: 959.4 Tach: 959.4

- Removed spark plugs, cleaned, & gapped to 0.016". Re-installed plugs with Champion 2612 Anti-Seize and new copper washers, rotating top to bottom and with firing order. Plugs torqued to 330 in-lbs. Inspected and cleaned ignition harness terminal connectors prior to installation on plugs.

- Removed all GAM injectors. Cleaned in accordance with GAM instructions & reinstalled.

- Performed differential compressor test in accordance with TCM SB M84-15; #1 71/80, #2 64/70, #3 75/80, #4 74/80, #5 62/80, #6 70/80. All compressions within limits.

- Drained engine oil and obtained sample for analysis. Installed new Champion CH48109 oil filter, torqued to 16 ft-lbs. and safety wired. Filled sump with 12 quarts of Aeroshell 15W50 oil. Cut open old filter. Inspected filter element visually and with a magnet. No significant ferrous or non-ferrous metal found. Performed engine run-up, re-inspected oil filter, no oil leaks detected, oil change satisfactory.

*R. J. J. J.* 478540663 A & P



# INSPECTION & MAINTENANCE RECORD

INSPECTION OR MAINTENANCE PERFORMED  
AGENCY & CERTIFICATE NO.

DATE TOTAL TIME

N215RW S/N: E-2965 Engine IO-550-B S/N: 675989

06/02/04 ACTT: 1005.5 EngTT: 1005.5 Tach: 1005.5

- Removed spark plugs, cleaned, & gapped to 0.016". Re-installed plugs with Champion 2612 Anti-Seize and new copper washers, rotating top to bottom and with firing order. Plugs torqued to 330 in-lbs. Inspected and cleaned ignition harness terminal connectors prior to installation on plugs.

- Removed all GAMIfactors. Cleaned in accordance with GAMIf instructions & reinstalled.

- Fuel injector control valve strainer removed and cleaned.

Performed differential compression test in accordance with TCM SB M84-15; #1 66/80, #2 75/70, #3 74/80, #4 70/80, #5 70/80, #6 68/80. All compressions within limits.

Drained engine oil and obtained sample for analysis. Installed new

Champion CH48109 oil filter, torqued to 16 ft-lbs. and safety wired. Filled sump with 12 quarts of Aeroshell 15W50 oil. Cut open old filter. Inspected filter element visually and with a magnet. No significant ferrous or non-

ferrous metal found. Oil sample sent for analysis. Performed engine run-up, re-inspected oil filter, no oil leaks detected, oil change satisfactory.

*[Signature]* 478540663 A & P, I.A.



**MAINTENANCE/ SERVICE REMINDER**

**OIL CHANGED**

AEROSHELL OIL W/ 15W50    
 AEROSHELL OIL W/  65  80  100  120   
 AEROSHELL OIL  65  80  100  120   
 AEROSHELL MINERAL OIL

SERVICED	DATE	HOURS
OIL CHANGE	6/2/04	1000
FILTER CHANGE	11	11

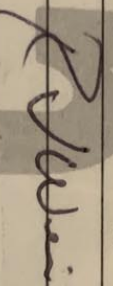
We feature quality Shell Motor Oils



**NEXT OIL Δ**  
1050 HRS

# INSPECTION & MAINTENANCE RECORD

INSPECTION OR MAINTENANCE PERFORMED  
AGENCY & CERTIFICATE NO.

DATE	TOTAL TIME	
		N215RW S/N: E-2965 Engine IO-550-B S/N: 675989
06/18/04		ACCT: 1012.9 EngTT: 1012.9 Tach: 1012.9
		Ads researched through Bi-Weekly 2004-12 (06-16-04).
		I certify that this engine has been inspected in accordance with an Annual Inspection using Raytheon Bonanza Series Maintenance Manual 100HR/Annual Inspection Guide Chapter 5-20-00 and is determined to be in an Airworthy condition and approved for return to service.
		 478540663 A & P, I.A.



# INSPECTION & MAINTENANCE RECORD

INSPECTION OR MAINTENANCE PERFORMED  
AGENCY & CERTIFICATE NO.

DATE	TOTAL TIME



**MAINTENANCE SERVICE REMINDER**

**OIL CHANGED**

AEROSHELL OIL W/ 15W50  
 AEROSHELL OIL W/ 65  
 80  
 100  
 120  
 AEROSHELL MINERAL OIL

SERVICED	DATE	HOURS
OIL CHANGE	9/20/04	1044.5
FILTER CHANGE	N	11



**NEXT OIL Δ**  
**1094.5 HRS**  
 We feature quality Shell Motor Oils

N215RW S/N: E-2965 Engine IO-550-B S/N: 675989  
 09/20/04 ACTT: 1044.5 EmgTT: 1044.5 Tach: 1044.5

Performed the following aircraft engine maintenance:

- Removed spark plugs, cleaned, & gapped to 0.016". Re-installed plugs with Champion 2612 Anti-Seize and new copper washers, rotating top to bottom and with firing order. Plugs torqued to 330 in-lbs. Inspected and cleaned ignition harness terminal connectors prior to installation on plugs.
- Removed all GAMIfactors. Cleaned in accordance with GAMi instructions & reinstalled.

Performed differential compression test using TCM SB M84-15 as a guide; #1 65/80, #2 67/70, #3 76/80, #4 67/80, #5 74/80, #6 68/80. All compressions within limits.

Drained engine oil and obtained sample for analysis. Installed new Champion CH48109-1 oil filter, torqued to 16 ft-lbs. and safety wired. Filler sump with 12 quarts of Aeroshell 15W50 oil. Cut open old filter. Inspected filter element visually and with a magnet. No significant ferrous or non-ferrous metal found. Oil sample sent for analysis. Performed engine run-up, re-inspected oil filter, no oil leaks detected, oil change satisfactory.

*Release: 478540663 A&P, IA*





# INSPECTION & MAINTENANCE RECORD

INSPECTION OR MAINTENANCE PERFORMED  
AGENCY & CERTIFICATE NO.

DATE TOTAL TIME



**MAINTENANCE/  
SERVICE  
REMEMINDER**

### OIL CHANGED

AEROSHELL OIL W/15W50  65  80  100  120  
AEROSHELL OIL  65  80  100  120  
 AEROSHELL MINERAL OIL

SERVICE	DATE	HOURS
OIL CHANGE	2/11/05	1092
FILTER CHANGE	"	"

We feature quality Shell Motor Oils

**NEXT OIL**  
1142 HRS

02/11/05 ACTT: 1092.0 EngTT: 1092.0 Tach: 1092.0  
N21SRW S/N: E-2965 Engine IO-550-B S/N: 675989

Performed the following aircraft engine maintenance:

- Removed spark plugs, cleaned, & gapped to 0.016". Re-installed plugs with Champion 2612 Anti-Seize and new copper washers, rotating top to bottom and with firing order. Plugs torqued to 330 in-lbs. Inspected and cleaned ignition harness terminal connectors prior to installation on plugs.
- Removed all GAMInjectors. Cleaned in accordance with GAMI instructions & reinstalled.
- Performed differential compression test using TCM SB M84-15 as a guide; #1 65/80, #2 69/70, #3 71/80, #4 73/80, #5 67/80, #6 67/80. All compressions within limits.
- Drained engine oil and obtained sample for analysis. Installed new Champion CH48109-1 oil filter, torqued to 16 ft-lbs. and safety wired. Filled sump with 12 quarts of Aeroshell 15W50 oil. Cut open old filter. Inspected filter element visually and with a magnet. No significant ferrous or non-ferrous metal found. Oil sample sent for analysis. Performed engine run-up, re-inspected oil filter, no oil leaks detected, oil change satisfactory.

*R. Jones* 4785406631A



## INSPECTION & MAINTENANCE RECORD

INSPECTION OR MAINTENANCE PERFORMED  
AGENCY & CERTIFICATE NO.

DATE	TOTAL TIME	
05/30/05	ACTT: 1124.1	EngTT: 1124.1 Tach: 1124.1
N215RW	S/N: E-2965	Engine IO-550-B S/N: 675989
Performed the following aircraft engine maintenance: <ul style="list-style-type: none"> <li>• Removed spark plugs, cleaned, &amp; gapped to 0.016". Re-installed plugs with Champion 2612 Anti-Seize and new copper washers, rotating top to bottom and with firing order. Plugs torqued to 330 in-lbs. Inspected and cleaned ignition harness terminal connectors prior to installation on plugs.</li> <li>• Removed all GAMMjectors. Cleaned in accordance with GAMM instructions &amp; reinstalled.</li> <li>• Engine magneto timing checked. Timing satisfactory.</li> <li>• Performed differential compression test using TCM SB M84-15 as a guide; #1 62/80, #2 74/70, #3 77/80, #4 72/80, #5 65/80, #6 70/80.</li> <li>• All compressions within limits.</li> </ul>		
06/21/05	ACTT: 1127.8	Engine TT: 1127.8 Tach: 1127.8
N215RW	S/N: E-2965	Engine IO-550-B S/N: 675989
I certify that this engine has been inspected in accordance with an Annual Inspection using Raytheon Bonanza Series Maintenance Manual Chapter 5-20-00-100-Hour/Annual Inspection Checklist and applicable parts of 14 CFR part 43 as a guide, and is determined to be in an Airworthy condition and approved for return to service.		
Airworthiness Directives researched through Bi-Weekly 2005-12, June 13, 2005.		

*Robert* 478540663 A&P, IA

*Robert* 478540663 A&P, IA

# INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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ENGINE MODEL: IO-550-B  
ENGINE S/N: 675989  
REG. NO: N215RW  
WORK ORDER: 17028



**Aerodyne Corporation**  
Repair Station No. HO1R-199K  
5198 West Military Highway  
Chesapeake, VA 23321 USA  
Phone: (757) 488-2898

DATE: 7/15/2005  
A/C TSN: 1144.4  
ENG TT: 1144.4  
HOBBS: 1144.4

## Engine Entries

(1) Removed # 3 cylinder; Prepare cylinder for inspection; Disassembled and inspected cylinder; Installed new intake guide and intake seal; Ground valves and seats; Lapped valves to seats. Honed cylinder; Assembled cylinder. Bench checked 80/80 psi. Installed #3 cylinder on aircraft with new ring set and gasket set. Installed (12) quarts of Phillips 20W 50 XC engine oil and (1) Champion oil filter. Leak checked performed and no defects noted.

The aircraft, engine, propeller or component identified hereon was repaired and inspected in accordance with current Regulations of the Federal Aviation Agency and is approved for return to service.

DATE: 7/15/2005

SIGNED:

Jay W. Link  
Certified Repair Station No. HO1R-199K

Work Order: 17028

Printed by EBis 3 (datcomedia.com)



25110

# INSPECTION & MAINTENANCE RECORD

INSPECTION OR MAINTENANCE PERFORMED  
AGENCY & CERTIFICATE NO.

DATE TOTAL TIME

07/06/05 ACTT: 1140.0 Engine TT: 1140.0 Tach: 1140.0 Engine IO-550-B S/N: 675989



**MAINTENANCE/  
SERVICE  
REMEMINDER**

Performed the following aircraft engine maintenance:

- Performed differential compression test using TCM SB M84-15 as a guide; #1 68/80, #2 58/70 (ring alignment), #3 68/80, #4 68/80, #5 70/80, #6 67/80. All compressions within limits.
- Removed all GAMIjectors. Cleaned in accordance with GAMI instructions & reinstalled.
- Removed spark plugs, cleaned, & gapped to 0.016". Re-installed plugs with Champion 2612 Anti-Seize and new copper washers, rotating plugs top to bottom and with firing order. Plugs torqued to 330 in-lbs. Inspected and cleaned ignition harness terminal connectors prior to installation on plugs.
- Drained engine oil and obtained sample for analysis. Installed new Champion CH48109-1 oil filter, torqued to 16 ft-lbs. and safety wired. Filled sump with 12 quarts of Aeroshell 15W50 oil.
- Cut open old filter. Inspected filter element visually and with a magnet. No significant ferrous or non-ferrous metal found. Oil sample sent for analysis. Performed engine run-up. re-inspected oil filter, no oil leaks detected, oil change satisfactory.

*R. Jones* 2185509 A&P, IA

08/11/05 ACTT: 1148.0 Engine TT: 1148.0 Tach: 1148.0 Engine IO-550-B S/N: 675989

Installed new Insight GEM system CHT spring probe (P/N: 2852) in the #1 cylinder. The old probe had failed open. Performed engine run-up. Probe operation satisfactory.

*R. Jones* 2185509 A&P, IA

### OIL CHANGED

AEROSHELL OIL W 15W50

AEROSHELL OIL W  65  80  100  120

AEROSHELL OIL  65  80  100  120

AEROSHELL MINERAL OIL


SERVICED	DATE	HOURS
OIL CHANGE	7/6/05	1140
FILTER CHANGE	7/6/05	1140

We feature quality Shell Motor Oils



**NEXT OIL  
CHANGE  
1190**



1. Approving National Aviation Authority/Country: <b>Transport Canada</b>		2. <b>AUTHORIZED RELEASE CERTIFICATE</b> TCCA 24-0078			3. Form tracking No: (YYMMDD-XNN) <b>050512 219</b>	
4. Approved organization name and address: INSIGHT INSTRUMENTS CORPORATION, 599 INDUSTRIAL DRIVE FORT ERIE, ONTARIO, CANADA, L2A 5M1					5. Work order/Contract/Invoice Number: N/A	
6. Item:	7. Description:	8. Part Number:	9. Eligibility:	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1	CHT Spring Probe	2852	SA157NE Various	1	82170	MANUFACTURED
13. Remark						
14. Certifies that the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 13.				19. <input type="checkbox"/> CAR 571.10 Maintenance release. <input type="checkbox"/> Other regulations specified in block 13. Certifies that, unless otherwise specified in block 13, the work identified in block 12 and described in block 13 was accomplished in accordance CAR 571.		
15. Authorized signature <i>D. McNaull</i>		16. Certificate/Approval ref. No. 42-90 		20. Authorized signature N/A		21. Certificate/Approval ref. No. N/A
17. Name <i>D. McNaull</i>		18. Date (dd/mm/yyyy) ↑ 2 MAY 2005		22. Name N/A		23. Date (dd/mm/yyyy) N/A
<b>User/Installer Responsibilities</b>						
1. This document does not constitute authority to install the part. 2. Where the installer works in accordance with the national regulations of an airworthiness authority other than the authority specified in block 1, the installer must ensure that his/her airworthiness authority accepts products or maintenance from the airworthiness authority specified in block 1. 3. Statements 14 and 19 do not constitute installation certification. In all cases, the aircraft technical record must contain an installation certification issued in accordance with the national regulations of the state of registry, before the aircraft may be flown. * Installer must cross-check eligibility with approved data.						

0-B S/N: 6759

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9 A&P, IA

08/11/05 ACTT: 1148.0 Engine TT: 1148.0 Tach: 1148.0 Engine IO-550-B S/N: 6759

Installed new Insight GEM system CHT spring probe (P/N: 2852) in the #1 cylinder. The old probe had failed open. Performed engine run-up. Probe operation satisfactory.

*R. Jones* 2185509 A&P,



5232

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
09/13/05	ACIT: 1164.9	Engine TT: 1164.9 Tach: 1164.9 Engine IO-550-B S/N: 675989
		Installed new Insight GEM system CHT spring probe (P/N: 2855) in the #3 cylinder. The old probe had failed open. Performed engine run-up. Probe operation satisfactory.
		<i>RJW</i> 2185509 A&P, IA
12/20/05	ACTT: 1185.7	Engine TT: 1185.7 Tach: 1185.7 Engine IO-550-B S/N: 675989



MAINTENANCE/  
SERVICE  
REMEMINDER.

Performed the following aircraft engine maintenance:

- Performed differential compression test using TCM SB M84-15 as a guide; #1 60/80, #2 71/80, #3 70/80, #4 71/80, #5 69/80, #6 68/80. All compressions within limits.
- Removed spark plugs, cleaned, & gapped to 0.016". Re-installed plugs with Champion 2612 Anti-Seize and new copper washers, rotating plugs top to bottom and with firing order. Plugs torqued to 330 in-lbs. Inspected and cleaned ignition harness terminal connectors prior to installation on plugs.
- Drained engine oil and obtained sample for analysis. Installed new Champion CH48109-1 oil filter, torqued to 16 ft-lbs. and safety wired. Filled sump with 12 quarts of Aeroshell 15W50 oil.
- Cut open old filter. Inspected filter element visually and with a magnet. No significant ferrous or non-ferrous metal found. Oil sample sent for analysis. Performed engine run-up, re-inspected oil filter, no oil leaks detected, oil change satisfactory.

*RJW*

2185509 A&P, IA

OIL CHANGED

- AEROSHELL OIL W 15W50
- AEROSHELL OIL W 65  80  100  120
- AEROSHELL OIL 65  80  100  120
- AEROSHELL MINERAL OIL

SERVICED	DATE	HOURS
OIL CHANGE	12/20/05	1186
FILTER CHANGE	12/20/05	1186

We feature quality Shell Motor Oils



NEXT OIL  
CHANGE  
1236




1. Approving National Aviation Authority/Country: Transport Canada		2. <b>AUTHORIZED RELEASE CERTIFICATE</b> TCCA 24-0078			3. Form tracking No. (YYMMDD-XXXX) <b>050607 223</b>	
4. Approved organization name and address: INSIGHT INSTRUMENTS CORPORATION, 599 INDUSTRIAL DRIVE FORT ERIE, ONTARIO, CANADA, L2A 5M1				5. Work order/Contract/Invoice Number: N/A		
6. Item:	7. Description:	8. Part Number:	9. Eligibility:	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1	CHT Adaptor Probe	2855	SA157NE Various	1	6535	MANUFACTURED
13. Remark						
14. Certifies that the items identified above were manufactured in conformity to:			19.			
<input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 13.			<input type="checkbox"/> CAR 571.10 Maintenance release. <input type="checkbox"/> Other regulations specified in block 13. Certifies that, unless otherwise specified in block 13, the work identified in block 12 and described in block 13 was accomplished in accordance CAR 571.			
15. Authorized signature <i>D. McNaull</i>		16. Certificate/Approval ref. No. 42-90		20. Authorized signature N/A		21. Certificate/Approval ref. No. N/A
17. Name <i>D. McNaull</i>		18. Date (dd/mm/yyyy) 07 JUN 2005		22. Name N/A		23. Date (dd/mm/yyyy) N/A

**User/Installer Responsibilities**

- This document does not constitute authority to install the part.
- Where the installer works in accordance with the national regulations of an airworthiness authority other than the authority specified in Block 1, the installer must ensure that his/her airworthiness authority accepts products or maintenance from the airworthiness authority specified in Block 1.
- Statements 14 and 19 do not constitute installation certification. In all cases, the aircraft technical record must contain an installation certification issued in accordance with the national regulations of the state of registry, before the aircraft may be flown.

12/19/2001

\* Installer must cross-check eligibility with approved data.

 NEXT OIL CHANGE 1236

ferrous or non-ferrous metal found. Oil sample sent for analysis. Performed engine run-up, re-inspected oil filter, no oil leaks detected, oil change satisfactory.

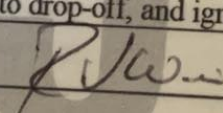
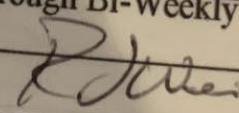
*R. Jones*

2185509 A&P, IA

75989  
old  
IA  
-B S/N: 675989  
#1 60/80, #2 mits.  
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s of Aeroshell  
No significant



## INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
07/04/06	Engine	IO-550-B S/N: 675989 ACTT: 1230.8 Engine TT: 1230.8 Tach: 1230.8
		Performed the following aircraft engine maintenance:
		<ul style="list-style-type: none"> <li>• Performed differential compression test using TCM SB SB03-3 as a guide; #1 65/80, #2 63/70, #3 70/80, #4 67/80, #5 66/80, #6 69/80. All compressions within limits.</li> <li>• Magnetos inspected and timed to engine @ 22° BTC. Condition and operation satisfactory.</li> <li>• GAMI injectors removed and cleaned in accordance with GAMI instructions &amp; reinstalled.</li> <li>• Fuel injector control valve strainer screen removed and cleaned.</li> <li>• Exhaust manifold heater shroud removed. No evidence of muffler failure or exhaust leakage observed.</li> <li>• Spark plugs removed, cleaned, &amp; gapped to 0.016". Plugs re-installed with Champion 2612 Anti-Seize and new copper washers, rotating top to bottom and with firing order. Plugs torqued to 330 in-lbs. Inspected and cleaned ignition harness terminal connectors prior to installation on plugs.</li> <li>• Replaced factory installed EGT probe with new OEM Beech EGT probe, Alcor P/N 86245.</li> <li>• Engine idle RPM, mixture, magneto drop-off, and ignition switch ground tests satisfactory.</li> </ul>
		 <b>2185509 A&amp;P, IA</b>
07/04/06	Engine	IO-550-B S/N: 675989 ACTT: 1230.8 Engine TT: 1230.8 Tach: 1230.8
		<p>I certify that this engine has been inspected in accordance with an Annual Inspection using applicable parts of the Raytheon Bonanza Series Maintenance Manual Chapter 5-20-00 100-Hour/Annual Inspection Checklist and 14 CFR Part 43, Appendix D, and is determined to be in an Airworthy condition and approved for return to service.</p> <p>Airworthiness Directives researched through Bi-Weekly 2006-13, 26 June 2006.</p>
		 <b>2185509 A&amp;P, IA</b>



## INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
07/14/06	ACTT: 1237.7	Engine TT: 1237.7 Tach: 1237.7 Engine IO-550-B S/N: 675989
		<p>Performed the following aircraft engine maintenance:</p> <ul style="list-style-type: none"> <li>• Drained engine oil and obtained sample for analysis. Installed new Champion CH48109-1 oil filter, torqued to 16 ft-lbs. and safety wired. Filled sump with 12 quarts of Aeroshell 15W50 oil.</li> <li>• Cut open old filter. Inspected filter element visually and with a magnet. No significant ferrous or non-ferrous metal found. Oil sample sent for analysis. Performed engine run-up, re-inspected oil filter, no oil leaks detected, oil change satisfactory.</li> </ul> <p style="text-align: right;"><i>R. Jones</i> 2185509 A&amp;P, IA</p>
08/07/06	ACTT: 1237.8	Engine TT: 1237.8 Tach: 1237.8 Engine IO-550-B S/N: 675989
		<p>Performed the following aircraft engine maintenance:</p> <ul style="list-style-type: none"> <li>• Removed left and right Slick magnetos (model # 6310) from engine. Installed new Slick magneto contact point kits, M3081, Lot # 30-14012, and internally time each magneto in accordance with Unison L-1363C 4300/6300 Series Magneto Maintenance and Overhaul Manual. Magneto primary and secondary coil resistances and capacitor tested satisfactory. Magnetos reinstalled with new gaskets, Beech part number 53470, and timed to engine in accordance with Beech Bonanza Series A36 Maintenance Manual. Engine run-up and magneto drop-off check satisfactory.</li> </ul> <p style="text-align: right;"><i>R. Jones</i> 2185509 A&amp;P, IA</p>




131353

### RECORD

INSPECTION OR MAINTENANCE PERFORMED  
AGENCY & CERTIFICATE NO.

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
03/20/07	ACTT: 1283.8	Engine TT: 1283.8 Tach: 1283.8 Engine IO-550-B S/N: 675989
Performed the following aircraft engine maintenance:		
<ul style="list-style-type: none"> <li>• Spark plugs removed, cleaned, &amp; gapped to 0.016". Plugs re-installed with Champion 2612 Anti-Seize and new copper washers, rotating top to bottom and with firing order. Plugs torqued to 330 in-lbs. Inspected and cleaned ignition harness terminal connectors prior to installation on plugs.</li> <li>• Drained engine oil and obtained sample for analysis. Installed new Champion CH48109-1 oil filter, torqued to 16 ft-lbs. and safety wired. Filled sump with 12 quarts of Aeroshell 15W50 oil.</li> <li>• Cut open old filter. Inspected filter element visually and with a magnet. No significant ferrous or non-ferrous metal found. Oil sample sent for analysis. Performed engine run-up, re-inspected oil filter, no oil leaks detected, oil change satisfactory.</li> </ul>		
		<i>Rdwan</i> 2185509 A&P, IA
08/02/07	Engine IO-550-B	S/N: 675989 ACTT: 1311.3 Engine TT: 1311.3 Tach: 1311.3
Performed the following aircraft engine maintenance:		
<ul style="list-style-type: none"> <li>• Performed differential compression test using TCM SB SB03-3 as a guide; #1 67/80, #2 68/70, #3 74/80, #4 72/80, #5 72/80, #6 71/80. All compressions within limits.</li> <li>• Magnetos inspected and timed to engine @ 22° BTC. Condition and operation satisfactory.</li> <li>• Engine idle RPM, mixture, magneto drop-off, and ignition switch ground tests satisfactory.</li> <li>• GAMIjectors removed and cleaned in accordance with GAMI instructions &amp; reinstalled.</li> <li>• Fuel injector control valve strainer screen removed and cleaned.</li> <li>• Replaced right hand heater/muffler with new unit, model B-35, serial number 167036, part number K701-05.</li> <li>• Replaced number 1 cylinder GEM EGT probe with new GEM EGT probe P/N 2870, serial number 131327.</li> </ul>		
		<i>Rdwan</i> 2185509 A&P, IA



1. Approving National Aviation Authority/Country: <b>Transport Canada</b>		2. <b>AUTHORIZED RELEASE CERTIFICATE</b> TCCA 24-0078			3. Form tracking No. (YYMMDD-XNN) <b>070522 221</b>	
4. Approved organization name and address: INSIGHT INSTRUMENTS CORPORATION, 599 INDUSTRIAL DRIVE FORT ERIE, ONTARIO, CANADA, L2A 5M1				5. Work order/Contract/Invoice Number: N/A		
6. Item:	7. Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1	EGT Probe	2870	SA157NE Various	1	<b>131327</b>	MANUFACTURED
13. Remark						
14. Certifies that the items identified above were manufactured in conformity to:				19.		
<input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 13.				<input type="checkbox"/> CAR 571.10 Maintenance release. <input type="checkbox"/> Other regulations specified in block 13. Certifies that, unless otherwise specified in block 13, the work identified in block 12 and described in block 13 was accomplished in accordance CAR 571.		
15. Authorized signature <i>D. McNaull</i>		16. Certificate/Approval 42-90 		20. Authorized signature N/A		21. Certificate/Approval ref. No. N/A
17. Name <i>D. McNaull</i>		18. Date (dd/mm/yyyy) 22 MAY 2007		22. Name N/A		23. Date (dd/mm/yyyy) N/A
<b>User/Installer Responsibilities</b>						
1. This document does not constitute authority to install the part. 2. Where the installer works in accordance with the national regulations of an airworthiness authority other than the authority specified in Block 1, the installer must ensure that his/her airworthiness authority accepts products or maintenance from the airworthiness authority specified in Block 1. 3. Statements 14 and 19 do not constitute installation certification. In all cases, the aircraft technical record must contain an installation certification issued in accordance with the national regulations of the state of registry, before the aircraft may be flown.						

12/09/2001

\* Installer must cross-check eligibility with approved data.

Seize and new  
and cleaned

non-ferrous  
leaks

1.3

#3 74/80.

- GAMInjectors removed and cleaned in accordance with GAMI instructions & reinstalled.
- Fuel injector control valve strainer screen removed and cleaned.
- Replaced right hand heater/muffler with new unit, model B-35, serial number 167036, part number K701-05
- Replaced number 1 cylinder GEM EGT probe with new GEM EGT probe P/N 2870, serial number 131327.

*R. D. W.* 2185509 A&P, IA



## INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
08/02/07		Engine IO-550-B S/N: 675989 ACTT: 1311.3 Engine TT: 1311.3 Tach: 1311.3
		I certify that this engine has been inspected in accordance with an Annual Inspection using applicable parts of the Raytheon Bonanza Series Maintenance Manual Chapter 5-20-00 100-Hour/Annual Inspection Checklist and 14 CFR Part 43, Appendix D, and is determined to be in an Airworthy condition and approved for return to service.
		Airworthiness Directives researched through Bi-Weekly 2007-15, July 27, 2007.
		<i>RJW</i> 2185509 A&P, IA
12/05/07		ACTT: 1333.4 Engine TT: 1333.4 Tach: 1333.4 Engine IO-550-B S/N: 675989
		Performed the following aircraft engine maintenance:
		<ul style="list-style-type: none"> <li>◦ Spark plugs removed, cleaned, &amp; gapped to 0.016". Plugs re-installed with Champion 2612 Anti-Seize and new copper washers, rotating top to bottom and with firing order. Plugs torqued to 330 in-lbs. Inspected and cleaned ignition harness terminal connectors prior to installation on plugs.</li> <li>• Drained engine oil and obtained sample for analysis. Installed new Champion CH48109-1 oil filter, torqued to 16 ft-lbs. and safety wired. Filled sump with 12 quarts of Aeroshell 15W50 oil.</li> <li>• Cut open old filter. Inspected filter element visually and with a magnet. No significant ferrous or non-ferrous metal found. Oil sample sent for analysis. Performed engine run-up, re-inspected oil filter, no oil leaks detected, oil change satisfactory.</li> </ul>
		<i>RJW</i> 2185509 A&P, IA



# INSPECTION & MAINTENANCE RECORD

10/03/08 Engine IO-550-B S/N: 675989 ACTT: 1388.2 Engine TT: 1388.2 Tach: 1388.2

INSPECTION OR MAINTENANCE PERFORMED

DATE: 10/03/08  
TOTAL TIME: 100 min  
PERFORMED BY: [Signature]  
ENGINE CERTIFICATE NO: [Blank]  
Performed an annual engine inspection in accordance Beechcraft IO-550 Annual Inspection Form from Raytheon Bonanza Series Maintenance Manual Chapter 5-20-00 and 14 CFR Part 43 Appendix D. Airworthiness Directives researched through September 26, 2008 as of Biweekly 2008-19/20.

- Performed differential compression test using TCM SB SB03-3 as a guide; #1 60/80, #2 71/80, #3 71/80, #4 70/80, #5 72/80, #6 71/80. All compressions within limits.
- Magnetos inspected and timed to engine @ 22° BTC. Condition and operation satisfactory.
- GAMI injectors removed and cleaned in accordance with GAMI instructions & reinstalled.
- Fuel injector control valve strainer screen removed and cleaned.
- Spark plugs removed, cleaned, & gapped to 0.016". Plugs re-installed with Champion 2612 Anti-Seize and new copper washers, and rotated top to bottom and with firing order. Plugs torqued to 330 in-lbs. Inspected and cleaned ignition harness terminal connectors prior to installation on plugs.
- Drained engine oil and obtained sample for analysis. Installed new Champion CH48109-1 oil filter, torqued to 16 ft-lbs. and safety wired. Filled sump with 12 quarts of Aeroshell 15W50 oil.
- Cut open old filter. Inspected filter element visually and with a magnet. No significant ferrous or non-ferrous metal found. Oil sample sent for analysis. Performed engine run-up, re-inspected oil filter, no oil leaks detected, oil change satisfactory.
- Performed a ground run-up. Engine idle RPM, mixture, magneto drop-off, and ignition switch ground tests satisfactory. Re-inspected oil filter, no oil leaks detected, oil change satisfactory.

I certify that this engine has been inspected in accordance with an Annual Inspection using applicable parts of the Raytheon Bonanza Series Maintenance Manual Chapter 5-20-00 100-Hour/Annual Inspection Checklist and 14 CFR Part 43, Appendix D, and is determined to be in an Airworthy condition and approved for return to service.

Airworthiness Directives researched through September 26, 2008 as of Biweekly 2008-19/20.

[Signature]

2185509 A&P, IA



# INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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ENGINE MODEL: IO-550-B  
ENGINE S/N: 675989  
REG. NO: N215RW  
WORK ORDER: 18664



**Aerodyne Corporation**

Repair Station No. HO1R-199K  
5198 West Military Highway  
Chesapeake, VA 23321 USA  
Phone: (757) 488-2898

DATE: 1/23/2009  
A/C TSN: 1407.7  
ENG TT: 1407.7  
HOBS: 1407.7

**Engine Entries**

(1) Removed #1 cylinder due to exhaust leak. Disassembled and inspected cylinder; Installed new exhaust valve and exhaust guide; Ground valves and seats; Lapped valves to seats. Honed cylinder; Assembled cylinder. Bench checked 80/80 psi. Fitted rings to cylinder and loaded piston into cylinder. Installed cylinder on aircraft engine.....(2) Removed #5 cylinder due to exhaust leak. Disassembled and inspected cylinder; Ground valves and seats; Lapped valves to seats. Honed cylinder; Assembled cylinder. Bench checked 80/80 psi. Fitted rings to cylinder and loaded piston into cylinder. Installed cylinder on aircraft engine.....(3) Installed alternator after maintenance with new gasket.....(4) Removed #3 cylinder due to exhaust leak. Disassembled and inspected cylinder; Ground valves and seats; Lapped valves to seats. Honed cylinder; Assembled cylinder. Bench checked 80/80 psi. Fitted rings to cylinder and loaded piston into cylinder. Installed cylinder on aircraft engine.....(5) Installed 10 quarts Phillips 20W50 XC oil and CH48109-1 oil filter.

The aircraft, engine, propeller or component identified hereon was repaired and inspected in accordance with current Regulations of the Federal Aviation Agency and is approved for return to service.

DATE: 1/23/2009

SIGNED:

Work Order: 18664

Jay W. Link  
Certified Repair Station No. HO1R-199K

Printed by EBis 3 (datcomedia.com)

New  
 Status/Work: 12  
 S. Work Order/Contract/Invoice Number: P64135  
 090707-AS

**INSPECTION & MAINTENANCE RECORD**

INSPECTION OR MAINTENANCE PERFORMED  
AGENCY & CERTIFICATE NO.

07/01/09 ACTT 1430.2 Engine TT: 1430.2 Tach: 1430.2 Engine IO-550-B S/N: 675989

Performed the following aircraft engine maintenance:

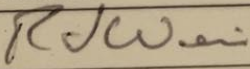
- Spark plugs removed, cleaned, & gapped to 0.016". Plugs re-installed with Champion 2612 Anti-Seize and new copper washers, rotating top to bottom and with firing order. Plugs torqued to 330 in-lbs. Inspected and cleaned ignition harness terminal connectors prior to installation on plugs.
- Drained engine oil and obtained sample for analysis. Installed new Champion CH48109-1 oil filter, torqued to 16 ft-lbs. and safety wired. Filled sump with 12 quarts of Aeroshell 100 Plus oil.
- Cut open old filter. Inspected filter element visually and with a magnet. No significant ferrous or non-ferrous metal found. Oil sample sent for analysis. Performed engine run-up, re-inspected oil filter, no oil leaks detected, oil change satisfactory.

*RJW*

2185509 A&P, IA



## INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
10/14/09	Engine IO-550-B	S/N: 675989 ACTT: 1451.1 Engine TT: 1451.1 Tach: 1451.1
	Performed an annual engine inspection in accordance Beechcraft 100-Hour/Annual Inspection Form from Raytheon Bonanza Series Maintenance Manual Chapter 5-20-00 and 14 CFR Part 43 Appendix D. Airworthiness Directives researched through October 12, 2009 as of Biweekly 2009-20/21.	
	<ul style="list-style-type: none"> <li>• Performed differential compression test using TCM SB SB03-3 as a guide; #1 72/80, #2 66/80, #3 74/80, #4 72/80, #5 69/80, #6 68/80. All compressions within limits.</li> <li>• Magnetos inspected and timed to engine @ 22° BTC. Condition and operation satisfactory.</li> <li>• GAM injectors removed and cleaned in accordance with GAMI instructions &amp; reinstalled.</li> <li>• Fuel injector control valve strainer screen removed and cleaned.</li> <li>• Replaced left muffler assembly with part number K701-04, model B-35, serial number 190833.</li> <li>• Performed a ground run-up. Engine idle RPM, mixture, magneto drop-off, and ignition switch ground tests satisfactory.</li> </ul>	
	I certify that this engine has been inspected in accordance with an Annual Inspection using applicable parts of the Raytheon Bonanza Series Maintenance Manual Chapter 5-20-00 100-Hour/Annual Inspection Checklist and 14 CFR Part 43, Appendix D, and is determined to be in an Airworthy condition and approved for return to service.	
	Airworthiness Directives researched through October 12, 2009 as of Biweekly 2009-20/21. AD 2009-16-03 issued 08/05/09 (Cracks – SAP investment cast cylinder assemblies) and AD 2009-19-07 issued 09/22/09 (Cracks – TCM EQ3 cylinders) do not apply by equipment installed.	
	 2185509 A&P, IA	



## INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
03/07/10	ACTT: 1469.3 Engine TT: 1469.3 Tach: 1469.3	Engine IO-550-B S/N: 675989
	Performed the following aircraft engine maintenance:	
	<ul style="list-style-type: none"> <li>• Drained engine oil and obtained sample for analysis. Installed new Champion CH48109-1 oil filter, torqued to 16 ft-lbs. and safety wired. Filled sump with 12 quarts of Aeroshell 15W50 oil.</li> <li>• Cut open old filter. Inspected filter element visually and with a magnet. No significant ferrous or non-ferrous metal found. Oil sample sent for analysis. Performed engine run-up, re-inspected oil filter, no oil leaks detected, oil change satisfactory.</li> </ul>	
		<i>R. Jones</i> 2185509 A&P, IA
03/29/10	ACTT: 1475.5 Engine TT: 1475.5 Tach: 1475.5	Engine IO-550-B S/N: 675989
	Performed the following aircraft engine maintenance:	
	<ul style="list-style-type: none"> <li>• Spark plugs removed, cleaned, &amp; gapped to 0.016". Plugs re-installed with Champion 2612 Anti-Seize and new copper washers, rotating top to bottom and with firing order. Plugs torqued to 330 in-lbs. Inspected and cleaned ignition harness terminal connectors prior to installation on plugs. All work performed in accordance with Champion Aviation Service Manual AV6-R</li> </ul>	
		<i>R. Jones</i> 2185509 A&P, IA





**Engine Record** General Information

**Manufacturer** CONTINENTAL

**Model** IO-550-B

**Serial** 675989

**Type Certificate**

**This engine is currently installed in aircraft:**

BEECH BONANZA A36 E2965

**Minimum Octane Fuel**

**Oil Grade** Summer

Winter

**Magneto Time**

**Point Setting**

**Firing Order**

**Spark Plug Gap**

**Manufacturer's Recommended Overhaul at** \_\_\_\_\_ **hours**



**Description of Inspections, Tests, Repairs and Alterations**

Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
19-2010				
10/12/10	ACTT: 1494.2	Engine	TT: 1494.2	Tach: 1494.2 Engine IO-550-B S/N: 675989
				Performed the following aircraft engine maintenance:
				<ul style="list-style-type: none"> <li>• Replace existing Champion RHB32E spark plugs with new Champion RHB32E plugs, gapped 0.016" - 0.018". New plugs installed with Champion 2612 Anti-Seize, new copper washers, and torqued to 330 in-lbs. Inspected and cleaned ignition harness terminal connectors prior to installation on plugs.</li> </ul>
				<ul style="list-style-type: none"> <li>• Drained engine oil and obtained sample for analysis. Installed new Champion CH48109-1 oil filter, torqued to 16 ft-lbs. and safety wired. Filled sump with 12 quarts of Aeroshell 15W50 oil.</li> </ul>
				<ul style="list-style-type: none"> <li>• Cut open old filter. Inspected filter element visually and with a magnet. No significant ferrous or non-ferrous metal found. Oil sample sent for analysis. Performed engine run-up, re-inspected oil filter, no oil leaks detected, oil change satisfactory.</li> </ul>
				<ul style="list-style-type: none"> <li>• All work performed in accordance with Champion Aviation Service Manual AV6-R and Bonanza Series A36 Maintenance Manual 36-590001-9A23.</li> </ul>
				<p style="text-align: right;"><i>PJ Wei</i> 2185509 A&amp;P, IA</p>



DATE 2010 19	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
11/22/10	Engine IO-550-B	S/N: 675989	ACTT: 1500.7 Engine TT: 1500.7 Tach: 1500.7	
	Performed an annual engine inspection in accordance Beechcraft 100-Hour/Annual Inspection Form from Raytheon Bonanza Series Maintenance Manual Chapter 5-20-00 and 14 CFR Part 43 Appendix D.			
	<ul style="list-style-type: none"> <li>Performed differential compression test using TCM SB SB03-3 as a guide; #1 71/80, #2 68/80, #3 72/80, #4 74/80, #5 76/80, #6 68/80. All compressions within limits.</li> </ul>			
	<ul style="list-style-type: none"> <li>Cylinders borescoped in accordance with TCM Service Bulletin SB SB03-3. No evidence of cylinder bore, piston head, or valve damage/erosion noted.</li> </ul>			
	<ul style="list-style-type: none"> <li>Magnetos inspected and timed to engine @ 22° BTC. Condition and operation satisfactory.</li> </ul>			
	<ul style="list-style-type: none"> <li>GAMIjectors removed and cleaned in accordance with GAMI instructions &amp; reinstalled.</li> </ul>			
	<ul style="list-style-type: none"> <li>Fuel injector control valve strainer screen removed, inspected and cleaned.</li> </ul>			
	<ul style="list-style-type: none"> <li>Performed a ground run-up. Engine idle RPM, mixture, magneto drop-off, and ignition switch ground tests satisfactory.</li> </ul>			
	I certify that this engine has been inspected in accordance with an Annual Inspection and is determined to be in an Airworthy condition and approved for return to service.			
	Airworthiness Directives researched through November 22, 2010 as of Biweekly 2010-24/25.			
	AD 2010-11-04 issued 06/01/10 (Rapid Wear - Hydraulic Lifters) does not apply by engine date of manufacture nor lifter replacements.			
				R. W. 2185509 A&P, IA



DATE 2011 <del>19</del>	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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05/12/11	ACTT: 1519.3	Engine	TT: 1519.3	Tach: 1519.3 Engine IO-550-B S/N: 675989
Performed the following aircraft engine maintenance:				
<ul style="list-style-type: none"> <li>• Drained engine oil and obtained sample for analysis. Installed new Champion CH48109-1 oil filter, torqued to 16 ft-lbs. and safety wired. Filled sump with 12 quarts of Aeroshell 15W50 oil.</li> <li>• Cut open old filter. Inspected filter element visually and with a magnet. No significant ferrous or non-ferrous metal found. Oil sample sent for analysis. Performed engine run-up, re-inspected oil filter, no oil leaks detected, oil change satisfactory.</li> <li>• All work performed in accordance with Champion Aviation Service Manual AV6-R and Bonanza Series A36 Maintenance Manual 36-590001-9A23.</li> </ul>				

*R J Wein* 2185509 A&P, IA

12/17/11	Engine IO-550-B	S/N: 675989	ACTT: 1538.9	Engine TT: 1538.9 Tach: 1538.9
<ul style="list-style-type: none"> <li>• Performed differential compression test IAW TCM SB03-3: #1 75/80, #2 70/80, #3 70/80, #4 70/80, #5 70/80, #6 71/80, master orifice 48/80.</li> </ul> <p>Airworthiness Directives researched through December 15, 2011 as of Biweekly 2011-25/26; airworthiness compliance recorded in AD compliance list in aircraft maintenance log.</p> <p>I certify that this engine has been inspected in accordance with an Annual/100-hour inspection using 14 CFR Part 43 Appendix D and Beechcraft Bonanza Maintenance Manual Chapter 5-20-00 and was determined to be in an airworthy condition.</p>				

*R J Wein* 2185509 A&P/IA



DATE 2011/12 19	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> <small>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)</small>
12/21/11	Engine IO-550-B	S/N: 675989	ACTT: 1539.3 Engine TT: 1539.3 Tach: 1539.3	<ul style="list-style-type: none"> <li>Performed GAMI Lear Test IAW General Aviation Modifications, Inc. instructions. GAMIjectors GA178 removed from the number 1 and number 2 cylinders and returned to GAMI for adjustment. New GAMIjectors GA178 reinstalled IAW GAMI instructions. Engine run-up satisfactory.</li> </ul> <p style="text-align: right;"><i>R J Wei</i> 2185509 A&amp;P/IA</p>
07/22/12	ACTT: 1552.1	Engine TT: 1552.1	Tach: 1552.1	<p>Engine IO-550-B S/N: 675989</p> <p>Performed the following aircraft engine maintenance:</p> <ul style="list-style-type: none"> <li>Drained engine oil and obtained sample for analysis. Installed new Champion CH48109-1 oil filter, torqued to 16 ft-lbs. and safety wired. Filled sump with 12 quarts of Aeroshell 15W50 oil.</li> <li>Cut open old filter. Inspected filter element visually and with a magnet. No significant ferrous or non-ferrous metal found. Oil sample sent for analysis. Performed engine run-up, re-inspected oil filter, no oil leaks detected, oil change satisfactory.</li> <li>All work performed in accordance with Champion Aviation Service Manual AV6-R and Bonanza Series A36 Maintenance Manual 36-590001-9A23.</li> </ul> <p style="text-align: right;"><i>R J Wei</i> 2185509 A&amp;P, IA</p>



DATE 2013/14 19	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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01/10/13 Engine IO-550-B S/N: 675989 ACTT: 1565.5 Engine TT: 1565.5 Tach: 1565.5

- Performed differential compression test IAW TCM SB03-3: #1 70/80, #2 62/80, #3 67/80, #4 70/80, #5 70/80, #6 71/80, master orifice 48/80.

Airworthiness Directives researched through January 4, 2013 as of Biweekly 2012-25/-26. Engine Airworthiness Directive List included in N215RW Aircraft Maintenance Log.

I certify that this engine has been inspected in accordance with an Annual/100-hour inspection using 14 CFR Part 43 Appendix D and Beechcraft Bonanza Maintenance Manual Chapter 5-20-00 and was determined to be in an airworthy condition.

*R. Wei* 2185509 A&P/IA

02/7/14 Engine IO-550-B S/N: 675989 ACTT: 1571.8 Engine TT: 1571.8 Tach: 1571.8

- Performed differential compression test IAW TCM SB03-3: #1 70/80, #2 66/80, #3 64/80, #4 70/80, #5 70/80, #6 72/80, master orifice 48/80.

Airworthiness Directives researched through January 30, 2014 as of Biweekly 2014-2/3. Engine Airworthiness Directive List included in N215RW Aircraft Maintenance Log.

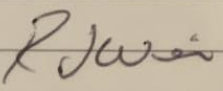
I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition.

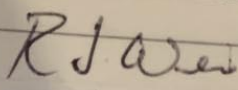
*R. Wei* 2185509 A&P/IA

DATE 2015 19	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> <small>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)</small>
03/03/15	Engine	O-550-B	S/N: 675989	ACTT: 1576.0 Engine TT: 1576.0 Tach: 1576.0
<ul style="list-style-type: none"> <li>Performed differential compression test IAW TCM SB03-3: #1 69/80, #2 68/80, #3 69/80, #4 70/80, #5 65/80, #6 68/80, master orifice 48/80.</li> <li>Engine oil drained. Installed new Champion CH48109-1 oil filter, torqued to 16 ft-lbs. and safety wired. Filled sump with 12 quarts of Aeroshell 15W50 oil.</li> <li>Removed oil filter cut open and inspected visually and with magnet. No ferrous or non-ferrous metal found. Oil sample analysis normal. Performed engine run-up, re-inspected oil filter, no oil leaks detected, oil change satisfactory.</li> <li>Engine oil change performed in accordance with Champion Aviation Service Manual AV6-R and Bonanza Series A36 Maintenance Manual 36-590001-9A23.</li> </ul>				
Airworthiness Directives researched through February 27, 2015 as of Biweekly 2015-04/-05. Engine Airworthiness Directive List included in N215RW Aircraft Maintenance Log.				
I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition.				
				<i>R. Jones</i> 2185509 A&P/IA
Empty rows for the rest of the table				



DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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2016/17				
03/29/16	Engine IO-550-B	S/N: 675989	ACTT: 1578.6	Engine TT: 1578.6 Tach: 1578.6
<ul style="list-style-type: none"> <li>Performed differential compression test IAW TCM SB03-3: #1 68/80, #2 62/80, #3 62/80, #4 66/80, #5 64/80, #6 63/80, master orifice 48/80.</li> </ul>				
<ul style="list-style-type: none"> <li>Results of borescope inspection satisfactory.</li> </ul>				
Airworthiness Directives researched through March 28, 2016 as of Biweekly 2016-06/-07. Engine Airworthiness Directive List included in N215RW Aircraft Maintenance Log.				
I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition.				
<div style="text-align: right;">  2185509 A&amp;P/IA         </div>				

07/17/17	Engine IO-550-B	S/N: 675989	ACTT: 1579.9	Engine TT: 1579.9 Tach: 1579.9
<ul style="list-style-type: none"> <li>Performed differential compression test IAW TCM SB03-3: #1 65/80, #2 62/80, #3 70/80, #4 67/80, #5 70/80, #6 63/80, master orifice 48/80.</li> </ul>				
<ul style="list-style-type: none"> <li>Engine throttle body, engine fuel pump, and manifold valve removed from engine and sent to Great Planes Fuel Metering for overhaul and testing. Components reinstalled. Engine run up satisfactory.</li> </ul>				
Airworthiness Directives researched through August 16, 2017 as of Biweekly 2017-16/-17. Engine Airworthiness Directive List included in N215RW Aircraft Maintenance Log.				
I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition.				
<div style="text-align: right;">  2185509 A&amp;P/IA         </div>				



**DATE**      **RECORDING TACH TIME**      **TODAYS FLIGHT**      **TOTAL TIME IN SERVICE**      **Description of Inspections, Tests, Repairs and Alterations**  
 Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

19 \_\_\_\_\_

05/25/18    Engine IO-550-B    S/N: 675989    ACTT: 1580.6    Engine TT: 1580.6    Tach: 1580.6

- Performed differential compression test IAW TCM SB03-3: #1 65/80, #2 65/80, #3 61/80, #4 67/80, #5 63/80, #6 65/80, master on file 48/80.
- Installed new Rapco standby pressure/vacuum air pump part number 212CW, serial number 77253 with rebuilt drive motor part number EM917-5, serial number 1858 in accordance with manufactures instruction. Power on test satisfactory.
- Engine oil drained. Installed new Champion CH48109-1 oil filter. Filled sump with 2 quarts of Aeroshell W100 Plus oil. Engine run-up and test satisfactory.

Airworthiness Directives researched through May 25, 2018 as of Biweekly 2018-10/-11. Engine Airworthiness Directive List included in N215RW Aircraft Maintenance Log.

I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition.

*R. J. Javis*    2185509 A&P/IA

03/01/19    Engine IO-550-B    S/N: 675989    ACTT: 1580.9    Engine TT: 1580.9    Tach: 1580.9

- Performed differential compression test IAW TCM SB03-3: #1 59/80, #2 64/80, #3 70/80, #4 66/80, #5 64/80, #6 67/80.

Airworthiness Directives researched through March 1, 2019 as of Biweekly 2019-04/-05. Engine Airworthiness Directive List included in N215RW Aircraft Maintenance Log.

I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition.

*R. J. Javis*    2185509 A&P/IA



#2

New #1  
E 2965



**McCAULEY**  
**PROPELLER LOGBOOK**

MPC-10  
Printed in U.S.A.  
March 1990

Lancaster Airport, 519 East Airport Road, Lititz, PA 17543 (800) 462-3412 (717) 560-3711 Fax: (717) 560-4354 FAA Certified Repair Station #QV9R194N  
Lee Gilmore Memorial Airport, 1142 Aviation Boulevard, Gainesville, GA 30501 (800) 791-7767 (770) 538-0444 Fax: (770) 538-0117 FAA Certified Repair Station #S46R346N  
Windham County Airport, 21 Airport Road, North Windham, CT 06256 (877) 456-7944 (860) 456-7944 Fax: (860) 456-0410 FAA Certified Repair Station #Q0PR011X

USE OF LOGBOOK

3 BLADES  
- SPECIAL PLANK 4" BC  
TYPE DC PROP  
3 BLADE SHANK SIZE  
PROP TYPE (CONSTANT SPEED)

Owner Name \_\_\_\_\_

Address \_\_\_\_\_

Propeller Model D 3A 32C 409-C

Blade Model G-82 NDB-2

Hub Serial No. 951275

Blade Serial No. 1 PB 178

2 PB 182

3 PB 199


4 \_\_\_\_\_



#2

# Propeller Logbook

## INSTALLATION HISTORY

Date	Aircraft Model & Registration No.	Engine Serial Number & Position
JUN 21 1995	THIS PROPELLER WAS MANUFACTURED NEW AT McCAULEY ACCESSORY DIVISION, INSPECTED AND FOUND TO BE AIRWORTHY ON THIS DATE.	
7-31-95	A36 N336P	675989
3 JUNE 99	INSPECTED AS PER BETA MODEL	I certify that this <u>PROPELLER</u> has been
2697140	30 INSPECTION CODE	inspected in accordance with <u>ANNUAL</u>
	P/H 98-32227 H DENICKO	inspection and has been found airworthy
	AND PAINTED	DATE <u>3 JUNE 99</u> WOP <u>44789</u>
		Signature <u>[Signature]</u> for FIGR321K
		Piedmont Aviation Services, Inc. Norfolk, Va.

# MAINTENANCE & SERVICE HISTORY

Total Propeller Time	Time Since Overhaul	Description Of Work	Authorized Signatures Repairman and Station Certificate Numbers
428.5		Performed an Annual Insp	IAW Beech Annual
428.5		Guide P/N 98-32227H W/O	\$554
		I certify that this <u>Propeller</u> has been	
		inspected in accordance with <u>Annual Beech</u>	
		<u>Guide P/N 98-32227H</u>	
		Inspection and has been found airworthy	
		DATE <u>22 Jun 00</u> WO# <u>\$554</u>	
		Signature <u>A. Wilson</u> for P1GR321K	
		Piedmont Aviation Services, Inc. Norfolk, Va.	

Compliance With All Applicable FAA A.D. & Factory Service Bulletins On Pages 11 & 12



#2

# Propeller Logbook

**SENENICH PROPELLER SERVICE, INC.**

McCauley



## MAINTENANCE & SERVICE HISTORY

Date	Total Propeller Time	Time Since Overhaul	Description Of Work	Authorized Signatures Repairman and Station Certificate Numbers
18 June 01			I certify that this Propeller has been	
ACT	574.2		inspected in accordance with <u>Annual IAW</u>	
	574.2		<u>Beech Long Insp Guide</u>	<u>PN 98-3227H</u>
			Inspection and has been found airworthy	
			DATE <u>18 June 01</u> WO# <u>42237</u>	
			Signature <u>[Signature]</u> for P10R321K	
			Piedmont Aviation Services, Inc. Norfolk, Va.	

NOTE: Enter Compliance With All Applicable FAA A.D. & Factory Service Bulletins On Pages 11 & 12

# MAINTENANCE & SERVICE HISTORY

6101 Burton Station Rd.  
Norfolk, VA 23502  
(757) 857-3413



Raytheon Service  
CRS# PIQR321K  
[www.flypiedmont.com](http://www.flypiedmont.com)

Aircraft **N215RW**  
Make **Beechcraft**  
Serial # **E-2965**

Propeller :D3D3A32C409  
Prop S/N:951275

Aircraft Time: **742**  
Model **A-36**  
Date: **6/28/02**

**I certify this Propeller has been inspected in accordance an Annual Inspection in accordance with Raytheon Bonanza Series inspection Guide, M/M Chapter 5-20-00 and is determined to be in airworthy condition.**

The maintenance operations described above were performed and inspected in accordance with the applicable rules of 14CFR part 43, and with respect to the work performed, this aircraft is approved for return to service.

Signed: \_\_\_\_\_

A handwritten signature in black ink, appearing to read "James B. Smith", written over a horizontal line.

CRS# PIQR321K



#2



SENSENICH PROPELLER SERVICE INC

Propeller  
Logbook

# MAINTENANCE & SERVICE HISTORY



6101 Burton Station Rd.  
Norfolk, VA 23502  
(757) 857-3413

<http://www.flypedmont.com/orf/>

Reference WO#: S5504

Aircraft #	N215RW
Prop Make:	McCauley
Prop Model:	D3A32C409
Prop S/N:	951275

TTAF	881.2
------	-------

Position	Front
Total Time	881.2
TSOH	NA

Researched and inspected Continuing Airworthiness items from aircraft records.

ADs researched through Bi-Weekly 2003-13.

I certify that this propeller has been inspected in accordance with an **Annual Inspection** using Raytheon Bonanza Series Maintenance Manual 100HR/ Annual Inspection Guide Chapter 5-20-00, and is determined to be in Airworthy condition.

The maintenance operations described above were performed and inspected in accordance with the applicable rules of 14CFR part 43, and with respect to the work performed, this aircraft is approved for return to service.

Signed: James B. Mount

Date: 7/11/23

CRS# PIQR321K

# MAINTENANCE & SERVICE HISTORY

Date	Total Propeller Time	Time Since Overhaul	Description Of Work	Authorized Signatures Repairman and Station Certificate Numbers
			<p>N215RW Propeller Manufacturer: McCauley Industries                      Prop Model #: D3A32C409-C, Blade Model #: G-82NDB-2                      Blade S/N's: #1; PB178 #2; PB182 #3; PB199                      06/18/04 Total Time: 1012.9 TSMOH: N/A</p> <ul style="list-style-type: none"> <li>• Propeller blades inspected and dressed.</li> <li>• Prop spinner removed. Spinner, hub, blades and inspection sat.</li> <li>• Prop governor inspection sat.</li> <li>• Prop op check sat.</li> <li>• ADs researched through Bi-Weekly 2004-12 (06-16-04).</li> </ul> <p>I certify that this propeller has been inspected in accordance with an Annual Inspection using Raytheon Bonanza Series Maintenance Manual 100HR/Annual Inspection Guide Chapter 5-20-00, McCauley Manual MPC-11, and applicable parts of 14 CFR part 43, and is determined to be in an Airworthy condition and approved for return to service.</p>	

NOTE: Enter Compliance With All Applicable FAA A.D. & Factory Service Bulletins On Pages 11 & 12

*R. W. W.* 478540663 A & P, I. A.

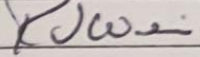


#2

# Propeller Logbook

SENENICH PROPELLER SERVICE INC

## MAINTENANCE & SERVICE HISTORY

Date	Total Propeller Time	Time Since Overhaul	Description Of Work	Authorized Signatures Repairman and Station Certificate Numbers
10/15/04	1055.1	N/A	PROP REMOVED FOR O/H SEE NEW LOG BOOK FOR INSTALLATION.	 478540663 IA

NOTE: Enter Compliance With All Applicable FAA A.D. & Factory Service Bulletins On Pages 11 & 12



Propeller Model D3A32C409-C / G-82NDB-2

Blade Model G-82 NDB -2

Hub Serial No. 951275

Blade Serial No. 1 PB178

2 PB182

3 PB199

4 \_\_\_\_\_

5 \_\_\_\_\_

6 \_\_\_\_\_

**Airborne**  
Air & Fuel Products

OVERHAUL  
2000 HR OR  
72 MONTHS  
10,000 HR LIFE

**Cleveland**  
Wheels & Brakes





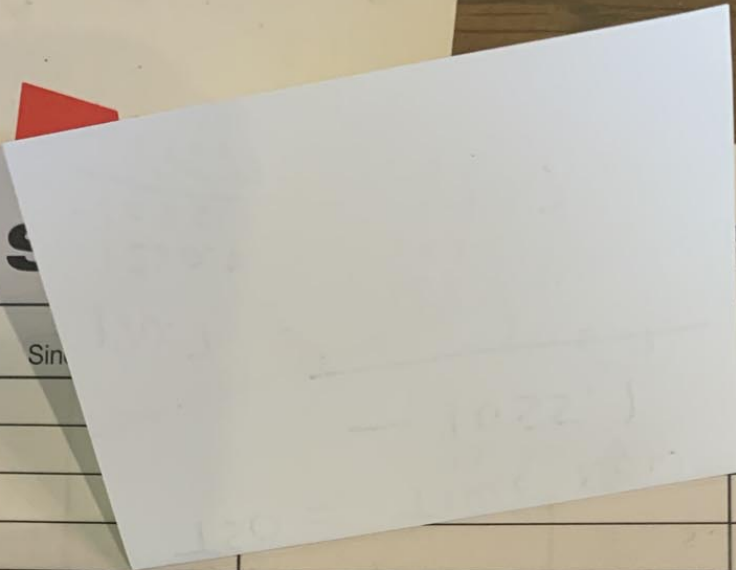






06  
VSN:

PRO



Date	Total Propeller Time	S/N	Authorized Signatures
		N215RW S/N: E-2965	
		Engine IO-550-B S/N: 675989	
		Propeller Manufacturer: McCauley Industries	
		Prop Model #: D3A32C409-C, S/N: 951275	
		Blade Model #: G-82NDB-2	
		Blade S/N's: #1; PB178 #2; PB182 #3; PB199	
		11/15/04 Total Time: 1060.2 TSO: 5.1	
		Propeller dynamic balanced by H & H Propeller Service, Burlington, North Carolina. Initial vibration 0.2 ips. Final vibration 0.05 ips.	
		<i>R. W. ...</i> 478540663 I.A.	

# SERVICE HISTORY

Date	Total Propeller Time	Time Since Overhaul	Description of Work	Authorized Signatures
02/11/05	N215RW S/N: E-2965; Engine IO-550-B S/N: 675989 Propeller: McCauley Total Time: 1092.0 TSO: 36.9 Prop Model #: D3A32C409-C, Blade Model #: G-82NDB-2 Blade S/N's: #1; PB178 #2; PB182 #3; PB199		Inspected and dressed propeller as required in accordance with McCauley propeller instructions. Propeller inspection satisfactory.	
		<i>RJW</i>	478540663 IA	
05/30/05	N215RW S/N: E-2965; Engine IO-550-B S/N: 675989 Propeller: McCauley Total Time: 1124.1 TSO: 69.0 Prop Model #: D3A32C409-C, Blade Model #: G-82NDB-2 Blade S/N's: #1; PB178 #2; PB182 #3; PB199		<ul style="list-style-type: none"> <li>• Propeller blades inspected and dressed.</li> <li>• Prop spinner removed. Spinner, hub, blades and inspection sat.</li> <li>• Prop governor inspection sat.</li> <li>• Prop op check sat.</li> </ul>	
		<i>RJW</i>	478540663 A&P, IA	



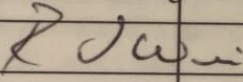
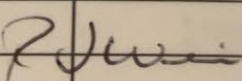
MPC-10  
Printed in U.S.A.  
March 1990

P1

# SERVICE HISTORY

Date	Total Propeller Time	Time Since Overhaul	Description of Work	Authorized Signatures
06/21/05	N215RW	S/N: E-2965	Engine IO-550-B S/N: 675989	
			Propeller: McCauley Total Time: 1127.8 TSO: 72.7 Prop Model #: D3A32C409-C	
			Blade Model #: G-82NDB-2 Blade S/N's: #1; PB178 #2; PB182 #3; PB199	
			I certify that this propeller has been inspected in accordance with an Annual Inspection using Raytheon Bonanza Series Maintenance Manual Chapter 5-20-00 100-Hour/Annual Inspection Checklist, McCauley Manual MPC-11, and applicable parts of 14 CFR part 43 as a guide, and is determined to be in an Airworthy condition and approved for return to service.	
			Airworthiness Directives researched through Bi-Weekly 2005-12, June 13, 2005.	
			<i>R. J. Davis</i>	478540663 A&P, IA
07/04/06	N215RW	S/N: E-2965	Engine IO-550-B S/N: 675989	
			Propeller: McCauley Total Time: 1230.8 TSO: 175.7 Prop Model #: D3A32C409-C	
			Blade Model #: G-82NDB-2 Blade S/N's: #1; PB178 #2; PB182 #3; PB199	
			Performed the following aircraft engine maintenance:	
			<ul style="list-style-type: none"> <li>Inspected prop governor, hub, blades, and spinner IAW McCauley Manual MPC-11. All components in satisfactory condition. Prop dressed as required.</li> <li>Prop run-up and operational test satisfactory.</li> </ul>	
			<i>R. J. Davis</i>	2185509 A&P, IA

# SERVICE HISTORY

Date	Total Propeller Time	Time Since Overhaul	Description of Work	Authorized Signatures
	07/04/06 N215RW	S/N: E-2965 Engine	IO-550-B S/N: 675989	
	Propeller: McCauley Total Time: 1230.8		TSO: 175.7 Prop Model #: D3A32C409-C	
	Blade Model #: G-82NDB-2 Blade S/N's: #1; PB178 #2; PB182 #3; PB199			
	<p>I certify that this propeller has been inspected in accordance with an Annual Inspection using applicable parts of the Raytheon Bonanza Series Maintenance Manual Chapter 5-20-00-100 Hour/Annual Inspection Checklist, McCauley Manual MPC-11, and 14 CFR Part 43, Appendix D, and is determined to be in an Airworthy condition and approved for return to service.</p>			
	Airworthiness Directives researched through Bi-Weekly 2006-13, 26 June 2006.			
				<b>2185509 A&amp;P, IA</b>
	07/10/07 N215RW	S/N: E-2965 Engine	IO-550-B S/N: 675989	
	Propeller: McCauley Total Time: 1307.5		TSO: 252.4 Prop Model #: D3A32C409-C	
	Blade Model #: G-82NDB-2 Blade S/N's: #1; PB178 #2; PB182 #3; PB199			
	<p>Complied with AD 2007-08-04, McCauley Propeller RPM Restriction Placard and Inspection, dated May 17, 2007. RPM restriction placard installed in aircraft and propeller inspected as required in accordance with the applicable provisions of McCauley Alert Service Bulletin ADB248. No service or repairs to propeller required.</p>			
				<b>2185509 A&amp;P, IA</b>



MPC-10  
Printed in USA  
March 1990

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# SERVICE HISTORY

Date	Total Propeller Time	Time Since Overhaul	Description of Work	Authorized Signature
08/02/07	N215RW	S/N: E-2965	Engine IO-550-B S/N: 675989	
	Propeller: McCauley	Total Time: 1311.3	TSO: 256.2 Prop Model #: D3A32C409-C	
	Blade Model #: G-82NDB-2	Blade S/Ns: #1; PB178	#2; PB182 #3; PB199	
	<ul style="list-style-type: none"><li>Inspected prop governor, hub, blades, and spinner IAW McCauley Manual MPC-11 and Alert Service Bulletin ADB248. All components in satisfactory condition. Prop dressed as required.</li><li>Prop run-up and operational test satisfactory.</li></ul>			
	I certify that this propeller has been inspected in accordance with an Annual Inspection using applicable parts of the Raytheon Bonanza Series Maintenance Manual Chapter 5-20-00 100-Hour/Annual Inspection Checklist, McCauley Manual MPC-11, McCauley Alert Service Bulletin ADB248 and 14 CFR Part 43, Appendix D, and is determined to be in an Airworthy condition and approved for return to service.			
	Airworthiness Directives researched through Bi-Weekly 2007-15, 27 July 2007.			
			R. J. W. 2185509 A&P, IA	

# SERVICE HISTORY

Date	Total Propeller Time	Time Since Overhaul	Description of Work	Authorized Signatures
10/03/08	N215RW S/N: E-2965	Engine IO-550-B S/N: 675989	Propeller: McCauley Total Time: 1388.2 TSO: 333.1 Prop Model #: D3A32C409-C Blade Model #: G-82NDB-2 Blade S/N's: #1; PB178 #2; PB182 #3; PB199	
Performed an annual prop inspection in accordance with Raytheon Bonanza Series Maintenance Manual Chapter 5-20-00 100-Hour/Annual Inspection Form, McCauley Manual MPC-11, McCauley Alert Service Bulletin ADB248 and 14 CFR Part 43, Appendix D. Airworthiness Directives researched through September 26, 2008 as of Biweekly 2008-19/20.			<del>September 26, 2008</del> <i>Robert KTW</i>	
<ul style="list-style-type: none"> <li>Complied with recurring AD 2007-08-04, McCauley Propeller RPM Restriction Placard and inspection, dated May 17, 2007.</li> </ul>				
<ul style="list-style-type: none"> <li>Inspected prop governor, hub, blades, and spinner IAW McCauley Manual MPC-11 and Alert Service Bulletin ADB248 dated April 19, 2005. All components and prop blades in satisfactory condition. Prop dressed as required.</li> </ul>				
<ul style="list-style-type: none"> <li>Prop run-up and operational test satisfactory.</li> </ul>				
I certify that this propeller has been inspected in accordance with an Annual Inspection using the Raytheon Bonanza Series Maintenance Manual Chapter 5-20-00 100-Hour/Annual Inspection Form, McCauley Manual MPC-11, McCauley Alert Service Bulletin ADB248 and 14 CFR Part 43, Appendix D, and is determined to be in an Airworthy condition and approved for return to service. Airworthiness Directives researched through September 26, 2008 as of Biweekly 2008-19/20.				
		<i>Robert KTW</i>	2185509 A&P, IA	



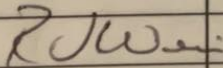
MPC-10  
 Printed in U.S.A.  
 March 1990

# SERVICE HISTORY

Date	Total Propeller Time	Time Since Overhaul	Description of Work	Authorized Signature
10/14/09	N215RW S/N: E-2965	Engine IO-550-B S/N: 675989	Propeller: McCauley Total Time: 1451.1 TSO: 396.1 Prop Model #: D3A32C409-C Blade Model #: G-82NDB-2 Blade S/N's: #1; PB178 #2; PB182 #3; PB199	
20-00	100-Hour/Annual Inspection Form, McCauley Manual MPC-11, McCauley Alert Service Bulletin ADB248 and 14 CFR Part 43, Appendix D. Airworthiness Directives researched through September 26, 2008 as of Biweekly 2008-10/20		Performed an annual prop inspection in accordance with Raytheon Bonanza Series Maintenance Manual Chapter 5-20-00 100-Hour/Annual Inspection Form, McCauley Manual MPC-11, McCauley Alert Service Bulletin ADB248 and 14 CFR Part 43, Appendix D. Airworthiness Directives researched through September 26, 2008 as of Biweekly 2008-10/20	
2009-20/21	Rdw		October 12, 2009 Rdw	
	<ul style="list-style-type: none"> <li>Complied with recurring AD 2007-08-04, McCauley Propeller RPM Restriction Placard and Inspection, dated May 17, 2007.</li> </ul>			
	<ul style="list-style-type: none"> <li>Inspected prop governor, hub, blades, and spinner IAW McCauley Manual MPC-11 and Alert Service Bulletin ADB248 dated April 19, 2005. All components and prop blades in satisfactory condition. Prop dressed as required.</li> </ul>			
	<ul style="list-style-type: none"> <li>Prop run-up and operational test satisfactory.</li> </ul>			
	I certify that this propeller has been inspected in accordance with an Annual Inspection using the Raytheon Bonanza Series Maintenance Manual Chapter 5-20-00 100-Hour/Annual Inspection Form, McCauley Manual MPC-11, McCauley Alert Service Bulletin ADB248 and 14 CFR Part 43, Appendix D. and is determined to be in an Airworthy condition and approved for return to service. Airworthiness Directives researched through October 12, 2009 as of Biweekly 2009-20/21.			
	Rdw		2185509 A&P, IA	



# SERVICE HISTORY

Date	Total Propeller Time	Time Since Overhaul	Description of Work	Authorized Signatures
<sup>22 RJW</sup> <del>11/19/10</del>	N215RW S/N: E-2965	Engine IO-550-B	S/N: 675989	
Propeller	McCauley Total Time: 1500.7	TSO: 445.6	Prop Model #: D3A32C409-C	
Blade Model #:	G-82NDB-2	Blade S/N's: #1; PB178	#2; PB182 #3; PB199	
Performed an annual prop inspection in accordance with Raytheon Bonanza Series Maintenance Manual Chapter 5-20-00 100-Hour/Annual Inspection Form, McCauley Manual MPC-11, McCauley Alert Service Bulletin ADB248 and 14 CFR Part 43, Appendix D.				
<ul style="list-style-type: none"> <li>Complied with recurring AD 2007-08-04, McCauley Propeller RPM Restriction Placard and Inspection, dated May 17, 2007.</li> </ul>				
<ul style="list-style-type: none"> <li>Inspected prop governor, hub, blades, and spinner IAW McCauley Manual MPC-11 and Alert Service Bulletin ADB248 dated April 19, 2005. All components and prop blades in satisfactory condition. Prop dressed as required.</li> </ul>				
<ul style="list-style-type: none"> <li>Prop run-up and operational test satisfactory.</li> </ul>				
I certify that this propeller has been inspected in accordance with an Annual Inspection using the Raytheon Bonanza Series Maintenance Manual Chapter 5-20-00 100-Hour/Annual Inspection Form, McCauley Manual MPC-11, McCauley Alert Service Bulletin ADB248 and 14 CFR Part 43, Appendix D, and is determined to be in an Airworthy condition and approved for return to service.				
Airworthiness Directives researched through November 16, 2010 as of Biweekly 2010-24/25.				
<sup>22 RJW</sup>  2185509 A&P, IA				



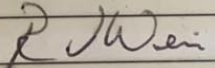
MPC-11  
 Printed in U.S.A.  
 March 1993

# SERVICE HISTORY

Date	Total Propeller Time	Time Since Overhaul	Description of Work	Authorized Signatures
01/10/13	N215RW S/N: E-2965	Engine IO-550-B	S/N: 675989	
Propeller:	McCauley	Total Time: 1565.5	TSO: 510.4 Prop Model #: D3A32C409-C	
Blade Model #:	G-82NDB-2	Blade S/N's: #1; PBT78	#2; PBT82 #3; PBT99	
Performed an annual prop inspection in accordance with Raytheon Bonanza Series Maintenance Manual Chapter 5-20-00 100-Hour/Annual Inspection Form, McCauley Manual MPC-11, McCauley Alert Service Bulletin ADB248 and 14 CFR Part 43, Appendix D.				
•	Complied with recurring AD 2007-08-04, McCauley Propeller RPM Restriction Placard and Inspection, dated May 17, 2007.			
•	Inspected prop governor, hub, blades, and spinner IAW McCauley Manual MPC-11 and Alert Service Bulletin ADB248 dated April 19, 2005. All components and prop blades in satisfactory condition.			
•	Prop run-up and operational test satisfactory.			
I certify that this propeller has been inspected in accordance with an Annual Inspection using the Raytheon Bonanza Series Maintenance Manual Chapter 5-20-00 100-Hour/Annual Inspection Form, McCauley Manual MPC-11, McCauley Alert Service Bulletin ADB248 and 14 CFR Part 43, Appendix D, and is determined to be in an Airworthy condition and approved for return to service.				
Airworthiness Directives researched through January 4, 2013 as of Biweekly 2012-25/-26.	Propeller	Airworthiness Directive List included in N215RW Aircraft Maintenance Log.		
		<i>R. J. Wein</i>	2185509 A&P, IA	



# SERVICE HISTORY

Date	Total Propeller Time	Time Since Overhaul	Description of Work	Authorized Signatures
12/17/10	N215RW S/N: E-2965	Engine IO-550-B S/N: 675989		
Propeller	McCauley Total Time: 1538.9	TSO: 483.8	Prop Model #: D3A32C409-C	
Blade Model #:	G-82NDB-2	Blade S/N's: #1, PB178	#2, PB182 #3, PB199	
Performed an annual prop inspection in accordance with Raytheon Bonanza Series Maintenance Manual Chapter 5-20-00 100-Hour/Annual Inspection Form, McCauley Manual MPC-11, McCauley Alert Service Bulletin ADB248 and 14 CFR Part 43, Appendix D.				
•	Complied with recurring AD 2007-08-04, McCauley Propeller RPM Restriction Placard and Inspection, dated May 17, 2007.			
•	Inspected prop governor, hub, blades, and spinner IAW McCauley Manual MPC-11 and Alert Service Bulletin ADB248 dated April 19, 2005. All components and prop blades in satisfactory condition.			
•	Prop run-up and operational test satisfactory.			
I certify that this propeller has been inspected in accordance with an Annual Inspection using the Raytheon Bonanza Series Maintenance Manual Chapter 5-20-00 100-Hour/Annual Inspection Form, McCauley Manual MPC-11, McCauley Alert Service Bulletin ADB248 and 14 CFR Part 43, Appendix D, and is determined to be in an Airworthy condition and approved for return to service.				
Airworthiness Directives researched through December 15, 2011 as of Biweekly 2011-25/26.				
Propeller Airworthiness Directive List included in N215RW Aircraft Maintenance Log.	<div style="text-align: right;">  2185509 A&amp;P, IA         </div>			

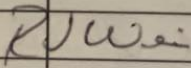


MPC 11  
 Printed in U.S.A.  
 March 1990

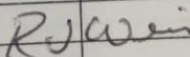
PROPELLER  
 McC



## SERVICE HISTORY

Date	Total Propeller Time	Time Since Overhaul	Description of Work	Authorized Signatures
02/7/14	N215RW	S/N: E-2965 Engine	IO-550-B S/N: 675989	
	Propeller: McCaughey	Total Time: 1571.8	TSO: 516.7 Prop Model #: D3A32C409-C	
	Blade Model #: G-82NDB-2	Blade S/N's	#1; PB178 #2; PB182 #3; PB199	
	Performed an annual prop inspection in accordance with Raytheon Bonanza Series Maintenance Manual Chapter 5-20-00 100 Hour/Annual Inspection Form, McCaughey Manual MPC 11, McCaughey Alert Service Bulletin ADB248 and 14 CFR Part 43, Appendix D.			
	<ul style="list-style-type: none"> <li>Complied with recurring AD 2007-08-04, McCaughey Propeller RPM Restriction Placard and Inspection, dated May 17, 2007.</li> </ul>			
	<ul style="list-style-type: none"> <li>Inspected prop governor, hub, blades, and spinner IAW McCaughey Manual MPC-11 and Alert Service Bulletin ADB248 dated April 19, 2005. All components and prop blades in satisfactory condition.</li> </ul>			
	<ul style="list-style-type: none"> <li>Prop run-up and operational test satisfactory.</li> </ul>			
	Airworthiness Directives researched through January 30, 2014 as of Biweekly 2014-02/03. Propeller Airworthiness Directive List included in N215RW Aircraft Maintenance Log.			
	I certify that this propeller has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition.			
			 2185509 A&P, IA	

## SERVICE HISTORY

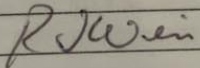
Date	Total Prop Time	Time Since Overhaul	Description of Work	Authorized Signatures
03/3/15	N215RW S/N: E-2965	Engine IO-550-B S/N: 675989	Propeller: McCauley Total Time: 1576.0 TSO: 520.9 Prop Model #: D3A32C409-C	
	Blade Model #: G-82NDB-2	Blade S/N's: #1; PB178 #2; PB182 #3; PB199		
	Performed an annual prop inspection in accordance with Raytheon Bonanza Series Maintenance Manual Chapter 5-20-00 100-Hour/Annual Inspection Form, McCauley Manual MPC-11, McCauley Alert Service Bulletin ADB248 and 14 CFR Part 43, Appendix D.			
	<ul style="list-style-type: none"> <li>Complied with recurring AD 2007-08-04, McCauley Propeller RPM Restriction Placard and Inspection, dated May 17, 2007.</li> </ul>			
	<ul style="list-style-type: none"> <li>Inspected prop governor, hub, blades, and spinner IAW McCauley Manual MPC-11 and Alert Service Bulletin ADB248 dated April 19, 2005. All components and prop blades in satisfactory condition.</li> </ul>			
	<ul style="list-style-type: none"> <li>Prop run-up and operational test satisfactory.</li> </ul>			
	Airworthiness Directives researched through February 27, 2015 as of Biweekly 2015-04-05. Propeller Airworthiness Directive List included in N215RW Aircraft Maintenance Log.			
	I certify that this propeller has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition.			
				
	2185509 A&P, IA			



## SERVICE HISTORY

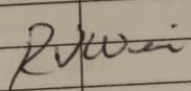
Date	Total Prop Time	Time Since Overhaul	Description of Work	Authorized Signatures
03/3/15	N215RW S/N: E-2965	Engine IO-550-B S/N: 675989	Propeller: McCauley Total Time: 1576.0 TSO: 520.9 Prop Model #: D3A32C409-C Blade Model #: G-82NDB-2 Blade S/N's: #1; PB178 #2; PB182 #3; PB199	
<p>Performed an annual prop inspection in accordance with Raytheon Bonanza Series Maintenance Manual Chapter 5-20-00 100-Hour/Annual Inspection Form, McCauley Manual MPC-11, McCauley Alert Service Bulletin ADB248 and 14 CFR Part 43, Appendix D.</p> <ul style="list-style-type: none"> <li>• Complied with recurring AD 2007-08-04, McCauley Propeller RPM Restriction Placard and Inspection, dated May 17, 2007.</li> <li>• Inspected prop governor, hub, blades, and spinner IAW McCauley Manual MPC-11 and Alert Service Bulletin ADB248 dated April 19, 2005. All components and prop blades in satisfactory condition.</li> <li>• Prop run-up and operational test satisfactory.</li> </ul>				
<p>Airworthiness Directives researched through February 27, 2015 as of Biweekly 2015-04-05. Propeller Airworthiness Directive List included in N215RW Aircraft Maintenance Log.</p>				
<p>I certify that this propeller has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition.</p>				
			<p><i>RJW</i> 2185509 A&amp;P, IA</p>	

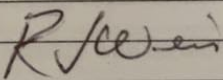
**SERVICE HISTORY**

Date	Total Prop Time	Time Since Overhaul	Description of Work	Authorized Signatures
03/29/16	N215RW	S/N: E-2965	Engine IO-550-B S/N: 675989	
	Propeller:	McCauley	Total Time: 1578.6 TSO: 523.5 Prop Model #: D3A32C409-C	
	Blade Model #:	G-82NDB-2	Blade S/N's: #1; PB178 #2; PB182 #3; PB199	
•	Complied with recurring AD 2007-08-04, McCauley Propeller RPM Restriction Placard and Inspection, dated May 17, 2007.			
•	Inspected prop governor, hub, blades, and spinner IAW McCauley Manual MPC-11 and Alert Service Bulletin ADB248 dated April 19, 2005. All components and prop blades in satisfactory condition.			
•	Prop run-up and operational test satisfactory.			
Airworthiness Directives researched through March 28, 2016 as of Biweekly 2016-06/-07. Propeller Airworthiness Directive List included in N215RW Aircraft Maintenance Log.				
I certify that this propeller has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition.				
				
	2185509 A&P, IA			



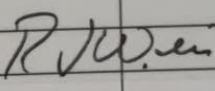
## SERVICE HISTORY

Date	Total Prop Time	Time Since Overhaul	Description of Work	Authorized Signatures
03/23/17	N215RW	S/N: E-2965	Engine IO-550-B S/N: 675989	
	Propeller: McCauley	Total Time: 1579.9	TSO: 524.8 Prop Model #: D3A32C409-C	
	Blade Model #: G-82NDB-2	Blade S/N's: #1; PB178	#2; PB182 #3; PB199	
	Performed an annual prop inspection in accordance with Raytheon Bonanza Series Maintenance Manual Chapter 5-20-00 100-Hour/Annual Inspection Form, McCauley Manual MPC-11, McCauley Alert Service Bulletin ADB248 and 14 CFR Part 43, Appendix D.			
	<ul style="list-style-type: none"> <li>Complied with recurring AD 2007-08-04, McCauley Propeller RPM Restriction Placard and Inspection, dated May 17, 2007.</li> </ul>			
	<ul style="list-style-type: none"> <li>Inspected prop governor, hub, blades, and spinner IAW McCauley Manual MPC-11 and Alert Service Bulletin ADB248 dated April 19, 2005. All components and prop blades in satisfactory condition.</li> </ul>			
	<ul style="list-style-type: none"> <li>Prop run-up and operational test satisfactory.</li> </ul>			
	Airworthiness Directives researched through March 20, 2017 as of Biweekly 2017-05/-06. Propeller Airworthiness Directive List included in N215RW Aircraft Maintenance Log.			
	I certify that this propeller has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition.			
				
	2185509 A&P, IA			

Date	Total Prop Time	Time Since Overhaul	Description of Work	Authorized Signatures
			05/25/18 N215RW S/N: E-2965 Engine IO-550-B S/N: 675989	
			Propeller: McCauley Total Time: 1580.6 TSO: 525.5 Prop Model #: D3A32C409-C	
			Blade Model #: G-82NDB-2 Blade S/N's: #1; PB178 #2; PB182 #3; PB199	
			Performed an annual prop inspection in accordance with Raytheon Bonanza Series Maintenance Manual Chapter 5-20-00 100-Hour/Annual Inspection Form, McCauley Manual MPC-11, McCauley Alert Service Bulletin ADB248 and 14 CFR Part 43, Appendix D.	
			<ul style="list-style-type: none"> <li>Complied with recurring AD 2007-08-04, McCauley Propeller RPM Restriction Placard and Inspection, dated May 17, 2007.</li> </ul>	
			<ul style="list-style-type: none"> <li>Inspected prop governor, hub, blades, and spinner IAW McCauley Manual MPC-11 and Alert Service Bulletin ADB248 dated April 19, 2005. All components and prop blades in satisfactory condition.</li> </ul>	
			<ul style="list-style-type: none"> <li>Prop run-up and operational test satisfactory.</li> </ul>	
			Airworthiness Directives researched through May 25, 2018 as of Biweekly 2018-10/-11. Propeller Airworthiness Directive List included in N215RW Aircraft Maintenance Log.	
			I certify that this propeller has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition.	
				2185509 A&P, IA



## SERVICE HISTORY

Date	Total Prop Time	Time Since Overhaul	Description of Work	Authorized Signature
03/03/19	N215RW S/N: E-2965	Engine IO-550-B S/N: 675989	Propeller: McCauley Total Time: 1580.9 TSO: 525.5 Prop Model #: D3A32C409-C	
	Blade Model #: G-82NDB-2	Blade S/N's: #1: PB178 #2: PB182 #3: PB199	Performed an annual prop inspection in accordance with Raytheon Bonanza Series Maintenance Manual Chapter 5-20-00 100-Hour/Annual Inspection Form, McCauley Manual MPC-11, McCauley Alert Service Bulletin ADB248 and 14 CFR Part 43, Appendix D.	
			<ul style="list-style-type: none"> <li>• Complied with recurring AD 2007-08-04, McCauley Propeller RPM Restriction Placard and Inspection, dated May 17, 2007.</li> <li>• Inspected prop governor, hub, blades, and spinner IAW McCauley Manual MPC-11 and Alert Service Bulletin ADB248 dated April 19, 2005. All components and prop blades in satisfactory condition.</li> <li>• Prop run-up and operational test satisfactory.</li> </ul>	
			Airworthiness Directives researched through March 1, 2019 as of Biweekly 2019-04/-05. Propeller Airworthiness Directive List included in N215RW Aircraft Maintenance Log.	
			I certify that this propeller has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition.	
				
			2185509 A&P, IA	