

# INSTRUMENT, STATIC AND AVIONICS CHECKS RECORD OF COMPLIANCE

Aircraft Model A36 Serial Number E-3222  
Reg # N3222B Owner's Name \_\_\_\_\_

[illegible]

A/C: A36  
N: 3222 B  
S/N: 3222

RAYTHEON AIRCRAFT SERVICES  
GREATER ROCKFORD AIRPORT, ROCKFORD, ILLINOIS 61109  
F.A.A. APPROVED REPAIR STATION NO. CGOR815C  
AIRFRAME LOG BOOK INSERT

DATE: 10-03-00  
W.O.# 8157  
HM: 224.6

IN ACCORDANCE WITH F.A.R. 91.413, THE ATC TRANSPONDER INSTALLED IN THIS AIRCRAFT HAS BEEN TESTED AND INSPECTED AND FOUND TO COMPLY WITH APPENDIX F OF PART 43.

- A. MODEL  
B. SERIAL NUMBER  
C. REPLY FREQ.  
D. SUPPRESSION  
D.1 SUPPRESSION P2 DOWN 9DB  
E. RECEIVER SENSITIVITY "A"  
F. RECEIVER SENSITIVITY "C"

ATC-1  
KT566  
5007  
1090  
OK  
OK  
74  
74

ATC-2



SIGNED Charles A. Nash FOR  
APPROVED FOR RETURN TO SERVICE  
RAYTHEON AIRCRAFT SERVICES, INC. CRS CGOR815C  
GREATER ROCKFORD AIRPORT  
ROCKFORD, IL 61109

SIGNED Charles A. Nash FOR  
RAYTHEON AIRCRAFT SERVICES CRS CGOR815C  
GREATER ROCKFORD AIRPORT  
ROCKFORD, ILLINOIS 61109

#### MAINTENANCE RELEASE

Type of Unit ENCODING ALT N         
M.F.R. King Model KT-76C S.N. 29645

The A/C and or component identified above was repaired & inspected in accordance with current regulations of the Federal Aviation Agency and is approved for return to service with respect to the work performed. Pertinent details of the repair are on file at this Agency under work

order 8157 Date 10-03-00  
Signed Charles A. Nash

RAYTHEON AIRCRAFT SERVICES  
Greater Rockford Airport - Rockford, IL 61109  
F.A.A. Approved Repair Station No. CGOR815C

#### MAINTENANCE RELEASE

Type of Unit TRANSPONDER N         
M.F.R. King Model KT-76C S.N. 5007

The A/C and or component identified above was repaired & inspected in accordance with current regulations of the Federal Aviation Agency and is approved for return to service with respect to the work performed. Pertinent details of the repair are on file at this Agency under work

order 8157 Date 10-03-00  
Signed Charles A. Nash

RAYTHEON AIRCRAFT SERVICES  
Greater Rockford Airport - Rockford, IL 61109  
F.A.A. Approved Repair Station No. CGOR815C

S/N 29645

W.O. No. 8157

DATE 10-03-00

Altitude Reads	Error	Altitude Reads	Error
0	+10	14,000	+20
500	+10	16,000	+25
1,000	+10	18,000	+20
1,500	+20	20,000	+20
2,000	+5	22,000	
3,000	+5	25,000	
4,000	+10	30,000	
6,000	+10	35,000	
8,000	0	40,000	
10,000	+10	45,000	
12,000	+20	50,000	
HY 50%	+10	HY 40%	+10

After Effect +10

Raytheon Aircraft Services CRS CGOR815C  
Greater Rockford Airport  
Rockford, Illinois 61109

RECEIVER SENSITIVITY "C"  
RECEIVER SENSITIVITY "V"  
SUPPRESSION 63 DOWN 80B  
SUPPRESSION  
KEY-A LKED  
SERIAL NUMBER  
MODEL

Aircraft Model

Serial Number

Reg #

Owner's Name

A/C: A36  
S/N: 3222  
N#: 3222B

RAYTHEON AIRCRAFT SERVICES  
GREATER ROCKFORD AIRPORT, ROCKFORD, ILLINOIS 61109  
F.A.A. APPROVED REPAIR STATION NO. CGOR815C  
AIRFRAME LOG BOOK INSERT

DATE: 10-3-00  
W.O.: 8157  
HRS: 224.6

THE AUTOMATIC PRESSURE ALTITUDE REPORTING SYSTEM(S) HAS BEEN TESTED AND INSPECTED AND FOUND TO C/W PARAGRAPH (C), APPENDIX E OF PART 43.

I CERTIFY THAT ALT. & STATIC SYS. TESTS REQUIRED BY F.A.A., PART 91.411, HAVE BEEN PERFORMED. STATIC SYS. TEST DATE  
L/H ALT. S/N 29645 TESTED TO 20,000 FT.  
BY RAYTHEON AIRCRAFT SERVICES DATE 10-03-00  
R/H ALT. S/N N/A TESTED TO N/A FT.  
BY N/A DATE N/A  
REF. MAINTENANCE RELEASE TAGS IN BACK OF LOGS.

SIGNED Charles A. Nash FOR  
RAYTHEON AIRCRAFT SERVICES CRS CGOR815C  
GREATER ROCKFORD AIRPORT  
ROCKFORD, ILLINOIS 61109

#### MAINTENANCE RELEASE

Type of Unit ENCODING ALT N  
M.F.R. King Model IPC S.N. 29645  
The A/C and or component identified above was repaired &  
inspected in accordance with current regulations of the  
Federal Aviation Agency and is approved for return to ser-  
vice with respect to the work performed. Pertinent details of  
the repair are on file at this Agency under work  
order 8157 Date 10-03-00

Signed Charles A. Nash

RAYTHEON AIRCRAFT SERVICES  
Greater Rockford Airport - Rockford, IL 61109  
F.A.A. Approved Repair Station No. CGOR815C

#### MAINTENANCE RELEASE

Type of Unit XPonder N  
M.F.R. King Model KT-76C S.N. 5007  
The A/C and or component identified above was repaired &  
inspected in accordance with current regulations of the  
Federal Aviation Agency and is approved for return to ser-  
vice with respect to the work performed. Pertinent details of  
the repair are on file at this Agency under work  
order 8157 Date 10-03-00

Signed Charles A. Nash

RAYTHEON AIRCRAFT SERVICES  
Greater Rockford Airport - Rockford, IL 61109  
F.A.A. Approved Repair Station No. CGOR815C

S/N 29645  
W.O. No. 8157

DATE 10-03-00

Altimeter Reads	Error	Altimeter Reads	Error
0	+10	14,000	+20
500	+10	16,000	+25
1,000	+10	18,000	+20
1,500	+20	20,000	+20
2,000	+5	22,000	
3,000	+5	25,000	
4,000	+10	30,000	
6,000	+10	35,000	
8,000	0	40,000	
10,000	+10	45,000	
12,000	+20	50,000	
HY 50%	+10	HY 40%	+10

After Effect 116

Raytheon Aircraft Services CRS CGOR815C  
Greater Rockford Airport  
Rockford, Illinois 61109

# INSTRUMENT, STATIC AND AVIONICS CHECKS RECORD OF COMPLIANCE

Aircraft Model A-36 Serial Number E-3222  
Reg # N-3222B Owner's Name \_\_\_\_\_

ITEM	DATE/TIME		INSPECTED BY	COMPLYING AGENCY	NOTATIONS	NEXT DUE																																																																								
	DUE	CHECKED																																																																												
9-25-02 HOBBS 510.0					TRANSPODERISI HAVE BEEN TESTED AND INSPECTED AND FOUND TO COMPLY WITH APPENDIX F OF PART 43 I.A.W. FAR 91.413 DATE <u>9/25/02</u> W.O.# <u>72983</u>																																																																									
					SIGNED <u>[Signature]</u> BAY AVIONICS																																																																									
October 5, 2004 N527RS, Beech A36 S/N: E-3222 Hour Meter: 747.6				Mather Aviation LLC Sacramento Mather Airport, CA 95655 FAA CRS No. PCPR439B WOM: 408710																																																																										
I certify that the Altimeter and Static System Tests required by FAR 91.411 have been performed and found to comply with FAR 43, Appendix E, Par. (a), (b) and (c). The installed system meets the requirements of FAR 91.217. The altimeter was tested to 20,000 feet on October 5, 2004.																																																																														
ALTIMETER/ENCODING: MODEL# KEA 130A S/N: 30145																																																																														
I certify that Transponder Tests required by FAR 91.413 have been performed and found to comply with FAR 43, Appendix F.																																																																														
TRANSPONDER: MODEL# KT 76C S/N: 5007																																																																														
Technician(s): C. Ehlers and G. Schlimmer																																																																														
Inspector: <u>[Signature]</u> Kerry D. Glavich for CRS# PCPR439B																																																																														
<table border="1"> <thead> <tr> <th colspan="2">#1 SCALE CORRECTION</th> <th colspan="2">Model: KEA 130A S/N: 30145</th> </tr> <tr> <th>Indicated</th> <th>Add</th> <th>Indicated</th> <th>Add</th> </tr> </thead> <tbody> <tr><td>-1000</td><td>0</td><td>18000</td><td>-20</td></tr> <tr><td>-500</td><td>0</td><td>20000</td><td>-20</td></tr> <tr><td>0</td><td>0</td><td>22000</td><td>N/A</td></tr> <tr><td>500</td><td>0</td><td>25000</td><td>N/A</td></tr> <tr><td>1000</td><td>0</td><td>30000</td><td>N/A</td></tr> <tr><td>1500</td><td>0</td><td>35000</td><td>N/A</td></tr> <tr><td>2000</td><td>0</td><td>40000</td><td>N/A</td></tr> <tr><td>3000</td><td>0</td><td>45000</td><td>N/A</td></tr> <tr><td>4000</td><td>0</td><td>50000</td><td>N/A</td></tr> <tr><td>6000</td><td>0</td><td></td><td></td></tr> <tr><td>8000</td><td>10</td><td></td><td></td></tr> <tr><td>10000</td><td>0</td><td></td><td></td></tr> <tr><td>12000</td><td>0</td><td></td><td></td></tr> <tr><td>14000</td><td>-20</td><td></td><td></td></tr> <tr><td>16000</td><td>-20</td><td></td><td></td></tr> <tr><td>17500</td><td>-30</td><td></td><td></td></tr> </tbody> </table>							#1 SCALE CORRECTION		Model: KEA 130A S/N: 30145		Indicated	Add	Indicated	Add	-1000	0	18000	-20	-500	0	20000	-20	0	0	22000	N/A	500	0	25000	N/A	1000	0	30000	N/A	1500	0	35000	N/A	2000	0	40000	N/A	3000	0	45000	N/A	4000	0	50000	N/A	6000	0			8000	10			10000	0			12000	0			14000	-20			16000	-20			17500	-30		
#1 SCALE CORRECTION		Model: KEA 130A S/N: 30145																																																																												
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1000	0	30000	N/A																																																																											
1500	0	35000	N/A																																																																											
2000	0	40000	N/A																																																																											
3000	0	45000	N/A																																																																											
4000	0	50000	N/A																																																																											
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16000	-20																																																																													
17500	-30																																																																													

Date 8/22/2006

W/O# 6755

**WOODLAND  
AVIATION INC**

Airframe (Avionics) Logbook Entry AIRCRAFT: N 527RS

CRS AWKR298C

S/N E-3222

Watts Woodland Airport, Woodland, CA 95695

Tach  
Time

987.3

REPLACED ALTIMETER P/N 066-03064-0005, S/N 30145 WITH REPLACEMENT ALTIMETER P/N 066-03064-0005, S/N 32984. REPLACEMENT PART WAS INSPECTED BY CRS# OL2D061L UNDER WORK ORDER: WRK0085030 DATED 8/21/2006. LEAK CHECK TO 1000 FT PASSED.

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed.

Pertinent details of the repair are on file at this agency: Signed: [Signature]

Douglas E. Barton

The Altimeter, Static System and Altitude Reporting Tests required by FAR 91.411 and Transponder tests required by FAR 91.413 part 43 appendix F have been performed. Altimeter Tested to 35,000 ft. IAW FAR 43 Appendix E. Signed [Signature]

Douglas E. Barton

# INSTRUMENT, STATIC AND AVIONICS CHECKS RECORD OF COMPLIANCE

Date 10/5/2006  
W/O# 6967

**WOODLAND  
AVIATION INC**

Airframe (Avionics) Logbook Entry AIRCRAFT: N 527RS

CRS AWKR298C

S/N E-3222

Watts Woodland Airport, Woodland, CA 95695

Tach  
Time 1001.4

REPLACED DISPLAY PN 037-05105-0001. REASSEMBLED RADIO AND PERFORMED BENCH TEST WITH NO FAULTS NOTED. REINSTALLED IN AIRCRAFT AND PERFORMED POST-INSTALLATION CHECKS. RETURNED #1 NAV/COM SYSTEM TO SERVICE.

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency: Signed: *Douglas E. Barton*

Douglas E. Barton

**STERLING**

Removed defective King KEA 130A encoding altimeter, P/N 066-03064-0005, S/N 32984 and replaced with a warranty exchange unit, same P/N, S/N 26318. Performed alignment procedure with KFC 225 autopilot. Static system leak check and correspondence check satisfactory.---END-----

The component identified above was repaired and inspected IAW Federal Aviation Regulations and was found to be in an airworthy condition for return to service.

Signed: *Henson*

Dated: May 04, 2007 N#: 527RS Beech A36 S/N E3222

Tach: N/A TTSN: N/A

HOBBS: 1044.7 For more info see w/o # 32830

FAA Repair Station Certification # WQ3R954L

101 John Glenn Drive, Concord, CA. 94520 T: (925) 676-2100 F: 676-5580



05

STATIC AND AVIONICS CHECKS  
RECORD OF COMPLIANCE

ENTER 15 DIGIT HEX CODE HERE:

2DC85 5083A FFBFF

THIS ELT IS PROGRAMMED FOR  
AND MUST BE REGISTERED IN:

COUNTRY: UNITED STATES CODE: 366

Date 9/26/2007

W/O# 8058



Airframe (Avionics) Logbook Entry AIRCRAFT: N 527RS

CRS AWKR298C

S/N E-3222

Watts Woodland Airport, Woodland, CA 95695

Tach

Time

1081.8

EXISTING RYAN 9900BX TCAD, S/N 0709162, WAS UPGRADED TO A TAS-610, IN ACCORDANCE WITH RYAN INTERNATIONAL SERVICE BULLETIN 051215, REVISION IR, DATED DECEMBER 15, 2005. REMOVED INSIGHT GEM-610 EGT/CHT INDICATOR, S/N 2118; AVIDYNE 5RR CD ROM LOADER, S/N C 1363; 5RRMFC MFD, S/N 0589; BENDIX/KING KN-72 VOR/LOC CONVERTER, S/N 15922; KX-155A VHF NAV/COMM, S/N 6714; KMA-26 AUDIO/MARKER PANEL, S/N 002468; KLN-90B GPS RECEIVER, S/N 27263; KA-91 GPS ANTENNA, S/N 19848; MID-CONTINENT MD41-248 RELAY, S/N 10611; MD41-1328 GPS ACU, S/N 11360; AND ARTEX ELT 110-4 ELT, S/N 61706. INSTALLED ARTEX G406-4 ELT, S/N 170-01053, IN SAME LOCATION AS REMOVED ELT. INSTALLED AFT AVIONICS SHELF AND ARTEX 435-6500 ELT/NAV INTERFACE, S/N 06402, AT F.S. 228.00" OPPOSITE THE ELT. INSTALLED ARTEX 110-320 ELT ANTENNA, S/N 175956, ON TOP OF THE FUSELAGE AT F.S. 196.00", WITH .040" 2024-T3 ALUM. DOUBLER. GARMIN GA-55 XM ANTENNA, S/N 87507540; AND GDL-69A XM RECEIVER, S/N 47758427, WERE INSTALLED IN ACCORDANCE WITH FAA STC SA01487SE, DATED DECEMBER 20, 2004. INSTALLED GARMIN GMA-340 AUDIO/MARKER/ICS PANEL, S/N 96282493, IN SAME LOCATION AS REMOVED B/K KMA-26. INSTALLED J.P.I. EGT 701-6C EGT/CHT INDICATOR, S/N 25903 IN ACCORDANCE WITH FAA STC SA2586NM, DATED JUNE 17, 1999. REMOVED AVIDYNE D98-00001-47 MULTI FUNCTION DISPLAY, AND INSTALLED IN THE SAME LOCATION A GARMIN GMX-200 MULTI FUNCTION DISPLAY, S/N 38400746; IN ACCORDANCE WITH FAA STC SA01692SE, DATED 08/11/06. INSTALLED GARMIN GNS-530W NAV/COMM/GPS/WAAS, S/N 23802334; GA-35 GPS/WAAS ANTENNA, S/N 23910. SEE FAA 337 FORM DATED SEPTEMBER 26, 2007, AND AFMS DATED DEC. 21, 2006. ALL WORK WAS ACCOMPLISHED IN ACCORDANCE WITH THE MANUFACTURES INSTRUCTIONS, FAA AC 43.13-1B, CHAPTER 11, SECTION 3, PARAGRAPH 11-37; SECTION 4, PARAGRAPHS 11-47 THROUGH 11-53; SECTIONS 5, 6, 7, 8, 9, 10, 11, 12, 14, 15, 16 AND 17 AS APPLICABLE, CHAPTER 12, SECTION 2. FAA AC 43.13-2A, CHAPTER 1, PARAGRAPH 12, CHAPTER 2, PARAGRAPH 21, 22, 23, 24; CHAPTER 3, PARAGRAPH 36. THE INSTALLED EQUIPMENT WAS OPERATIONALLY TESTED AND PERFORMED SATISFACTORILY, AND DID NOT ADVERSELY AFFECT EXISTING EQUIPMENT OR SYSTEMS IN THE AIRCRAFT AS REQUIRED BY FAR 23.1301. INSTRUCTIONS FOR CONTINUED AIRWORTHINESS REQUIRES A VISUAL INSPECTION AND OPERATIONAL TEST OF THIS EQUIPMENT IN ACCORDANCE WITH MANUFACTURES INSTRUCTIONS, AND FAR 43, APPENDIX "D" ANNUALLY, AND GARMIN ICA DOCUMENT NO. 190-00357-65, REV. A, FOR THE GARMIN GNS-530W, OR LATER REVISIONS. THE AIRCRAFT EQUIPMENT LIST WERE AMENDED IN ACCORDANCE WITH AC 43.13-1B, CHAPTER 10. SECTION 2 PARAGRAPH 10-16, 10-20. THE GARMIN GNS-530W COMPLETED A GPS FUNCTION FLIGHT EVALUATION, ON SEPTEMBER 27, 2007, BY FAA CRS AWKR 298C.

THE END

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency: Signed: *Douglas E. Barton*

Douglas E. Barton

ENTER 15 DIGIT HEX CODE HERE:

2DC85 50832 FFBFF

THIS ELT IS PROGRAMMED FOR  
AND MUST BE REGISTERED IN:

COUNTRY: USA

CODE: 366

# INSTRUMENT, STATIC AND AVIONICS CHECKS RECORD OF COMPLIANCE

Date 12/10/2007

W/O# 8502



Airframe (Avionics) Logbook Entry AIRCRAFT: N 527RS

CRS AWKR298C

S/N E-3222

Watts Woodland Airport, Woodland, CA 95695

Tach  
Time 1106.8

PERFORMED GARMIN SOFTWARE SERVICE BULLETIN 0740 REVISION A, UPDATING GNS 530W P/N 011-01064-00, S/N 23802334 MAIN SOFTWARE FROM VERSION 2.00 TO 3.00 AND GPS SOFTWARE FROM VERSION 2.4 TO 3.0. PERFORMED GROUND FUNCTIONAL TESTS WITH NO DISCREPANCIES NOTED.

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency: Signed: *Douglas E. Barton*

Douglas E. Barton

Date 9/10/2008

W/O# 9103



Airframe (Avionics) Logbook Entry AIRCRAFT: N 527RS

CRS AWKR298C

S/N E-3222

Watts Woodland Airport, Woodland, CA 95695

Tach  
Time 1166.1

PERFORMED GARMIN SOFTWARE SERVICE BULLETIN 0818 REVISION A FOR GNS 400W AND GNS 500W WAAS CAPABLE RECEIVERS UPDATING GNS 400W/500W P/N 011-01064-00, S/N 23802334 MAIN SOFTWARE FROM VERSION 3.00 TO 3.11 AND GPS SOFTWARE FROM VERSION 3.0 TO 3.1. PERFORMED GROUND FUNCTIONAL TESTS WITH NO DISCREPANCIES NOTED. UPDATED GARMIN GDL 69A DATALINK P/N 011-00987-00, S/N 47758427 SOFTWARE FROM VERSION 3.10 TO VERSION 3.20 IAW GARMIN SB 0742 REV A. PERFORMED FUNCTIONAL TESTS WITH NO DISCREPANCIES NOTED. PERFORMED GARMIN GDL-69 REQUIREMENTS OF ICA AS NOTED IN INSTRUCTIONS FOR CONTINUED AIRWORTHINESS DOCUMENT# 190-00355-00 REV C AND FAR 43 APPENDIX D WITH NO PROBLEMS NOTED. PERFORMED REQUIREMENTS OF J.P. INSTRUMENTS ICA AS NOTED IN INSTALLATION REPORT 103 REV D AND FAR 43 APPENDIX D WITH NO PROBLEMS NOTED. PERFORMED GARMIN GNS-530W REQUIREMENTS OF ICA AS NOTED IN INSTRUCTIONS FOR CONTINUED AIRWORTHINESS DOCUMENT# 190-00357-65 REV A AND FAR 43 APPENDIX D WITH NO PROBLEMS NOTED. PERFORMED GARMIN GMX-200 REQUIREMENTS OF ICA AS NOTED IN INSTRUCTIONS FOR CONTINUED AIRWORTHINESS DOCUMENT# 190-00607-00 REV A AND FAR 43 APPENDIX D WITH NO PROBLEMS NOTED. PERFORMED RYAN TCAD MODEL 9900BX REQUIREMENTS OF ICA AS NOTED IN INSTALLATION MANUAL# 32-2351 REV 4 AND FAR 43 APPENDIX D WITH NO PROBLEMS NOTED. CLEANED CWS SWITCH WITH ISOPROPYL ALCOHOL AND CONFIRMED CORRECT OPERATION. REMOVED BENDIX/KING KI 525A HSI P/N 066-3046-07, S/N 87369. REINSTALLED CUSTOMERS ORIGINAL KI 525A HSI P/N 066-3046-07, S/N 87369 AFTER BEING REPAIRED BY CRS# OL2D061L UNDER W/O WRK0129367 DATED 9/8/2008. PERFORMED GNS 530W OBS CALIBRATION AND RESET AUTOPILOT HEADING AND COURSE NULL POINTS. PERFORMED GROUND FUNCTIONAL TESTS WITH NO DISCREPANCIES NOTED. PERFORMED ALTITUDE CALIBRATION OF BENDIX/KING KFC 225 AUTOPILOT IAW KFC 225 INSTALLATION MANUAL.

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency: Signed: *Douglas E. Barton*

Douglas E. Barton

The Altimeter, Static System and Altitude Reporting Tests required by FAR 91.411 and Transponder tests required by FAR 91.413 part 43 appendix F have been performed. Altimeter Tested to 25,000 ft. IAW FAR 43 Appendix E. Signed: *Douglas E. Barton*

Douglas E. Barton

## INSTRUMENT, STATIC AND AVIONICS CHECKS

Date 10/12/2009

W/O# 10341



Airframe (Avionics) Logbook Entry AIRCRAFT: N 527RS

CRS AWKR298C

S/N E-3222

Watts Woodland Airport, Woodland, CA 95695

Tach  
Time 1279.2

COMPLIED WITH GARMIN MANDATORY SERVICE BULLETIN 0918, REV. A BY UPDATING GARMIN GNS 530W P/N 011-01064-00, S/N 23802334 MAIN SOFTWARE FROM VERSION 3.11 TO 3.30. UPDATED GNS 400W/500W SERIES PILOT'S GUIDE & REFERENCE, OPTIONAL DISPLAYS ADDENDUM, AND DISPLAY INTERFACES ADDENDUM. GROUND OPERATIONAL CHECKS NORMAL. INSPECTED GDL 69A SYSTEM IAW INSTRUCTIONS FOR CONTINUED AIRWORTHINESS DOCUMENT NUMBER 190-00355-00 REV D DATED 7/20/2009 WITH NO DISCREPANCIES NOTED. INSPECTED GNS 530W SYSTEM IAW INSTRUCTIONS FOR CONTINUED AIRWORTHINESS DOCUMENT NUMBER 190-00357-65 REV B DATED 7/30/2009 WITH NO DISCREPANCIES NOTED. INSPECTED GMX 200 SYSTEM IAW INSTRUCTIONS FOR CONTINUED AIRWORTHINESS DOCUMENT NUMBER 190-00607-00 REV A DATED 6/19/06 WITH NO DISCREPANCIES NOTED. UPGRADED GARMIN GMX 200 MULTIFUNCTION DISPLAY P/N 011-01465-00, S/N 38400746 SYSTEM SOFTWARE FROM VERSION 2.03 TO 2.13 IAW GARMIN SB 0905 REV A DATED 2/20/2009. CONFIRMED CORRECT SOFTWARE VERSION ON MFD START UP PAGE AND PERFORMED GROUND FUNCTIONAL TESTS WITH NO DISCREPANCIES NOTED.

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency: Signed: *Douglas E. Barton*

Douglas E. Barton

A/C Mod: BE-36  
Reg. No.: N527RS

Date: 05/11/2010  
W.O. # 23516

TYPE	SERIAL #
KI-256	X22757 (OUT)
KI-256	24041 (IN)

REMOVED GLARESHIELD AND ATT. GYRO. SET-UP TO MARRY NEW GYRO TO AUTOPILOT. REINSTALLED NEW GYRO IN PANEL. SWUNG STANDBY COMPASS WHICH WAS CAUSING 10 DEGREE DIFFERENCE. COULD NOT DUPLICATE STORMSCOPE PROBLEM.

Megahertz Avionics, Inc.  
1949 Airport Dr  
Bakersfield, CA 93308  
FAA Approved Repair Station # D13R4501

Date: 5/11/2010

Signed: *[Signature]*

Richard Kurtz / President


# INSTRUMENT, STATIC AND AVIONICS CHECKS RECORD OF COMPLIANCE

Aircraft Model \_\_\_\_\_ Serial Number \_\_\_\_\_

Reg # \_\_\_\_\_ Owner's Name \_\_\_\_\_

ITEM	DATE/TIME		INSPECTED BY	COMPLYING AGENCY	NOTATIONS	NEXT DUE
	DUE	CHECKED				

Date 11/2/2010

W/O# 11065



Airframe (Avionics) Logbook Entry AIRCRAFT: N 527RS

CRS AWKR298C

S/N E-3222

25170 Aviation Ave., Davis, CA 95616

Tach/  
Hobbs 1409.0  
FLIGHT

TESTED ALTIMETER, ALTITUDE REPORTING SYSTEM, PITOT/STATIC SYSTEM, AND TRANSPONDER SYSTEM PER FAR 43, APPENDICES E AND F. THOSE SYSTEMS MET REQUIREMENTS OF FAR 91.411 AND 91.413 FOR NON-PRESSURIZED AIRCRAFT TO 20,000 FEET.

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed.

Pertinent details of the repair are on file at this agency: Signed: Douglas E. Barton

Douglas E. Barton

The Altimeter, Static System and Altitude Reporting Tests required by FAR 91.411 and Transponder tests required by FAR 91.413 part 43 appendix F have been performed. Altimeter

Tested to 25,000 ft. IAW FAR 43 Appendix E. Signed: Douglas E. Barton

Douglas E. Barton

Date 12/14/2011

W/O# 11888



Airframe (Avionics) Logbook Entry AIRCRAFT: N 527RS

CRS AWKR298C

S/N E-3222

25170 Aviation Ave., Davis, CA 95616

Tach/  
Hobbs 1479.0  
FLIGHT

UPDATED GARMIN GDL 69A P/N 011-00987-00, S/N 47758427 FROM SOFTWARE VERSION 3.20 TO 4.01 IAW GARMIN SOFTWARE SB 1120 REV A DATED 7/14/2011. CONFIRMED CORRECT SOFTWARE VERSION IN AIRCRAFT AND PERFORMED GROUND FUNCTIONAL TESTS WITH NO DISCREPANCIES NOTED. REMOVED GARMIN GMX 200 MFD P/N 011-01465-00, S/N 38400746 FOR FLAT RATE REPAIR. MFD SD CARD SENT WITH UNIT. REINSTALLED CUSTOMERS ORIGINAL GARMIN GMX 200 MFD P/N 011-01465-00, S/N 38400746 AFTER BEING REPAIRED BY GARMIN AT, INC., CRS# JC6R634N UNDER RMA# 662954 DATED 12/9/2011. CONFIRMED UNIT IS CONFIGURED FOR CUSTOMERS AIRCRAFT AND PERFORMED GROUND FUNCTIONAL TESTS WITH NO DISCREPANCIES NOTED.

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed.

Pertinent details of the repair are on file at this agency: Signed: Douglas E. Barton

Douglas E. Barton




Date 12/5/2014

Airframe Logbook Entry

AIRCRAFT: N 527RS

CRS AWKR298C

S/N: E-3222

W/O# 14018

25170 Aviation Ave., Davis, CA 95616

Tach / Hobbs 1664.9 CLEANED TRIM SERVO AND PITCH SERVO CONNECTORS AND APPLIED STABILANT 22 TO ALL CONNECTIONS.  
REMOVED BENDIX/KING KS 270C PITCH SERVO P/N 065-00178-2500, S/N 2567. INSTALLED REPLACEMENT BENDIX/KING KS 270C PITCH SERVO P/N 065-00178-2500, S/N 2251 AFTER BEING OVERHAULED BY MID-CONTINENT INSTRUMENTS, CRS# OL2R061L UNDER W/O WRK0235106 DATED 5/14/2014. PERFORMED GROUND FUNCTIONAL TESTS WITH NO DISCREPANCIES NOTED.

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency:

Signed:

Shawn Matthies AWKR298C



Date 3/18/2015

Airframe Logbook Entry

AIRCRAFT: N 527RS

CRS AWKR298C

S/N: E-3222

W/O# 14094

25170 Aviation Ave., Davis, CA 95616

Tach / Hobbs 1667.8 TESTED ALTIMETER, ALTITUDE REPORTING SYSTEM, PITOT/STATIC SYSTEM, AND TRANSPONDER SYSTEM PER FAR 43, APPENDICES E AND F. THOSE SYSTEMS MET REQUIREMENTS OF FAR 91.411 AND 91.413 FOR NON-PRESSURIZED AIRCRAFT TO 25,000 FEET.

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency:

Signed:

Shawn Matthies AWKR298C



Date 4/1/2016

Airframe Logbook Entry

AIRCRAFT: N 527RS

CRS AWKR298C

S/N: E-3222

W/O# 14996

25170 Aviation Ave., Davis, CA 95616

Tach 1735.6 INSTALLED REPLACEMENT BENDIX/KING KI 256 ATTITUDE INDICATOR P/N 060-0017-01, S/N 24631 (MODS 1-11) AFTER BEING OVERHAULED BY MID-CONTINENT INSTRUMENTS, CRS# OL2D061L ON W/O 000264256 DATED 3/10/2016. PERFORMED AUTOPILOT CALIBRATION AND GROUND FUNCTIONAL TESTS WITH NO DISCREPANCIES NOTED. REINSTALLED CUSTOMER'S ORIGINAL BENDIX/KING KC 225 AUTOPILOT COMPUTER P/N 065-00183-2701, S/N 1903 AFTER BEING REPAIRED BY MID-CONTINENT INSTRUMENTS+AVIONICS, CRS# OL2D061L UNDER W/O 200851891 DATED 3/22/2016. PERFORMED AUTOPILOT CALIBRATION IAW KFC 225 INSTALLATION MANUAL WITH NO DISCREPANCIES NOTED.

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency:

Signed:

Shawn Matthies AWKR298C

Direct Avionics · CRS #D5IR816J · Novato, CA 94945 · (415) 892-3511

N#	N527RS	W/O #	3796	Date	4/5/2017	Hobbs/Tach	1817.0
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The Altimeter/Static/Automatic Pressure Altitude/Transponder reporting systems have been tested and inspected and found to comply with Appendices E and F of CFR Part 43 as required by CFR Parts 91.411 and 91.413. Tested to 25k ft.

This aircraft and/or components identified above were repaired and inspected in accordance with the Federal Air Regulations and were found to be airworthy for return to service.

Signature

Certificate #/Type 2510668

# INSTRUMENT, STATIC AND AVIONICS CHECKS RECORD OF COMPLIANCE

Aircraft Model \_\_\_\_\_ Serial Number \_\_\_\_\_

Reg # \_\_\_\_\_ Owner's Name \_\_\_\_\_

ITEM	DATE/TIME		INSPECTED BY	COMPLYING AGENCY	NOTATIONS	NEXT DUE
	DUE	CHECKED				

**Direct Avionics · CRS #D5IR816J · Novato, CA 94945 · (415) 892-3511**

N#	N527RS	W/O #	3868	Date	1/10/2018	Hobbs/Tach	1841.3
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Removed Bendix/King KT76C Transponder, p/n 066-01156-0101, s/n 5007, and installed Garmin GTX 345 TXP, s/n 3EG008534, and coupled to GNS-530W, audio panel, GMX-200, TAS600 and encoder, IAW Garmin STC SA01714W1 Rev 3 and provided AFMS, p/n 190-00734-15, Rev 2 and ICAW, p/n 190-00734-11, Rev 5. See FAA Form 337 this date. Change to Weight and Balance negligible. Updated GNS-530W Main SW to Ver 5.30 IAW Garmin SB 1618, Rev A.

The Altimeter/Static /Automatic Pressure Altitude/Transponder reporting systems have been tested and inspected and found to comply with Appendices E and F of CFR Part 43 as required by CFR Parts 91.411 and 91.413. Tested to 25k ft.

*This aircraft and/or components identified above were repaired and inspected in accordance with the Federal Air Regulations and were found to be airworthy for return to service.*

Signature  Certificate # 2510668

**Direct Avionics · CRS #D5IR816J · Novato, CA 94945 · (415) 892-3511**

N#	N527RS	W/O #	4263	Date	2/6/2020	Hobbs/Tach	H2009.1
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The Altimeter/Static /Automatic Pressure Altitude/Transponder reporting systems have been tested and inspected and found to comply with Appendices E and F of CFR Part 43 as required by CFR Parts 91.411 and 91.413. Tested to 25k ft.

*This aircraft and/or components identified above were repaired and inspected in accordance with the Federal Air Regulations and were found to be airworthy for return to service.*

Signature  Certificate #/Type 2510668

**Direct Avionics · CRS #D5IR816J · Novato, CA 94945 · (415) 892-3511**

N#	N527RS	W/O #	5220	Date	2/23/22	Hobbs/Tach	2101.5
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The Altimeter/Static /Automatic Pressure Altitude/Transponder reporting systems have been tested and inspected and found to comply with Appendices E and F of CFR Part 43 as required by CFR Parts 91.411 and 91.413. Tested to 25k ft.

*This aircraft and/or components identified above were repaired and inspected in accordance with the Federal Air Regulations and were found to be airworthy for return to service.*

Signature  Certificate #/Type 2510668

## INSTRUMENT, STATIC AND AVIONICS CHECKS RECORD OF COMPLIANCE

Aircraft Model \_\_\_\_\_ Serial Number \_\_\_\_\_

Reg # \_\_\_\_\_ Owner's Name \_\_\_\_\_

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