



US Department  
of Transportation  
Federal Aviation  
Administration

**MAJOR REPAIR AND ALTERATION**  
**(Airframe, Powerplant, Propeller, or Appliance)**

OMB No. 2120-0020  
Exp. 5/31/2018

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. §44701). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. §46301(a))

1. Aircraft	Nationality and Registration Mark <b>N527RS</b>	Serial No. <b>E-3222</b>
	Make <b>Raytheon Aircraft Corp.</b>	Model <b>A-36</b>
2. Owner	Name (As shown on registration certificate) <b>Lookout Mountain LLC</b>	Series
	Address (As shown on registration certificate) Address <b>45 Buena Vista</b> City <b>Mill Valley</b> State <b>CA</b> Zip <b>94941-1231</b> Country <b>USA</b>	

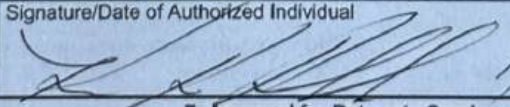
**3. For FAA Use Only**

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME	<u>Raytheon Aircraft Corp.</u>	<u>(As described in Item 1 above)</u>	<u>E-3222</u>
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT			
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type Manufacturer		

**6. Conformity Statement**

A. Agency's Name and Address		B. Kind of Agency	
Name <b>Ken Robbins c/o Scanlon Aviation</b>	Address <b>451 Airport Rd.</b>	<input checked="" type="checkbox"/> U. S. Certificated Mechanic	Manufacturer
City <b>Novato</b> State <b>CA</b>	Zip <b>94945</b> Country <b>USA</b>	<input type="checkbox"/> Foreign Certificated Mechanic	C. Certificate No.
		<input type="checkbox"/> Certificated Repair Station	<b>3129824</b>
		<input type="checkbox"/> Certificated Maintenance Organization	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/>	Signature/Date of Authorized Individual  <b>1/25/2018</b>
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**7. Approval for Return to Service**

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☐ Approved ☐ Rejected

BY	FAA Fit. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
	FAA Designee	Repair Station	Inspection Authorization	Other (Specify)

Certificate or Designation No. **3129824** Signature/Date of Authorized Individual  
 **1/25/2018**



# NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

## 8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

N527RS

1/10/2018

Nationality and Registration Mark

Date

Removed a Bendix/King KT76C Transponder and installed a Garmin GTX-345 ADS-B IN/OUT coupled to the GNS530W, audio panel, GMX-200, TAS600 and encoder, IAW STC SA01714WI, Rev.3. Provided Garmin AFMS, p/n 190-00734-15, Rev 2 and ICAW, p/n 190-00734-11, Rev 5. Change to Weight and Balance negligible.

☐ Additional Sheets Are Attached



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Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

1. Aircraft	Make Beech	Model A36
	Serial No. E-3265	Nationality and Registration Mark N527RS
2. Owner	Name (As shown on registration certificate) LOOKOUT MOUNTAIN LLC	Address (As shown on registration certificate) 1700 JONES ST APT 1 SAN FRANCISCO CA 94109-2160

3. For FAA Use Only

4. Unit Identification				5. Type	
Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	(As described in Item 1 above)				
POWERPLANT	TCM	IO-550 B	684009		X
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

6. Conformity Statement

A. Agency's Name and Address	B. Kind of Agency	C. Certificate No.
WOODLAND AVIATION INC. P.O. BOX 1157 WOODLAND CA 95776	<input type="checkbox"/> U.S. Certificated Mechanic	AWKR 298C AF-1,3 RAD 1,2,3 L-PP,L-PRP,L-INS
	<input type="checkbox"/> Foreign Certificated Mechanic	
	<input checked="" type="checkbox"/> Certificated Repair Station	
	<input type="checkbox"/> Manufacturer	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date 9/23/2005	Signature of Authorized Individual Shawn Matthies
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7. Approval for Return To Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY	FAA Fit. Standards Inspector	Manufacturer	Inspection Authorization	Other (Specify)
	FAA Designee	<input checked="" type="checkbox"/> Repair Station	Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection 9/23/2005		Certificate or Designation No. AWKR298C	Signature of Authorized Individual Shawn Matthies	



### NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

#### B. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

Removed six TCM fuel nozzles P/N 632748-16B and installed six General Aviation Modifications, Inc. turboGAMIjectors kit No. GT16B S.N. 14160 STC no. SE09289SC PMA no. PQ821SW per turboGAMIjector Installation Procedure No. IP-97-002 (rev 001) dated February 6, 1997.

No change in weight and balance.

-----END-----

☐ Additional Sheets Are Attached





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1. Aircraft	Make Raytheon	Model A36
	Serial No. E-3222	Nationality and Registration Mark N527RS
2. Owner	Name (As shown on registration certificate) LOOKOUT MOUNTAIN LLC	Address (As shown on registration certificate) 1700 JONES ST APT 1 SAN FRANCISCO CA 94109-2160

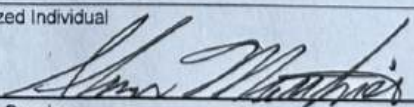
3. For FAA Use Only

4. Unit Identification				5. Type	
Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	(As described in Item 1 above)				X
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

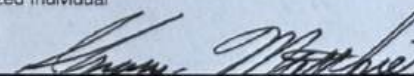
6. Conformity Statement

A. Agency's Name and Address WOODLAND AVIATION INC. P.O. BOX 1157 WOODLAND CA 95776	B. Kind of Agency	C. Certificate No.
	<input type="checkbox"/> U.S. Certificated Mechanic	AWKR 298C AF-1,3 RAD 1,2,3
	<input type="checkbox"/> Foreign Certificated Mechanic	L-PP,L-PRP,L-INS
	<input checked="" type="checkbox"/> Certificated Repair Station	
	Manufacturer	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date 9/23/2005	Signature of Authorized Individual Shawn Matthies 
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7. Approval for Return To Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is <input checked="" type="checkbox"/> APPROVED <input type="checkbox"/> REJECTED					
BY	FAA Fit. Standards Inspector	Manufacturer	Inspection Authorization	Other (Specify)	
	FAA Designee	X Repair Station	Person Approved by Transport Canada Airworthiness Group		
Date of Approval or Rejection 9/23/2005		Certificate or Designation No. AWKR298C	Signature of Authorized Individual Shawn Matthies 		



### NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

#### B. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

Installed turbo normalizing system in accordance with STC# SA5223NM, in accordance with Tornado Alley Turbo drawing list installation instructions number TAT-B-MDL rev. no, dated 09/29/1999 or later FAA approved revision.

Instructions for continued airworthiness listed in Flightcraft Turbo Inc. Report # 96-9 rev. none, dated 6/10/1996. this document is filed with the aircraft logbooks, and associated paperwork.

Installed modified engine baffles in accordance with STC# SA00035DE in accordance with FliteCraft Turbo, Inc. Master Drawing List No. BON, dated May 11, 1993, or later FAA approved revision.

Weight and Balance ammended.

-----END-----

☐ Additional Sheets Are Attached





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1. Aircraft	Make Raytheon	Model A36
	Serial No. E-3222	Nationality and Registration Mark N527RS
2. Owner	Name (As shown on registration certificate) LOOKOUT MOUNTAIN LLC	Address (As shown on registration certificate) 1700 JONES ST APT 1 SAN FRANCISCO CA 94109-2160

3. For FAA Use Only

4. Unit Identification				5. Type	
Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	(As described in Item 1 above)				
POWERPLANT	TCM	IO-550 B	684009		X
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

6. Conformity Statement

A. Agency's Name and Address WOODLAND AVIATION INC. P.O. BOX 1157 WOODLAND CA 95776	B. Kind of Agency	C. Certificate No.
	<input type="checkbox"/> U.S. Certificated Mechanic	AWKR.298C AF-1,3 RAD 1,2,3
	<input type="checkbox"/> Foreign Certificated Mechanic	L-PP,L-PRP,L-INS
	<input checked="" type="checkbox"/> Certificated Repair Station	
	<input type="checkbox"/> Manufacturer	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date 9/23/2005	Signature of Authorized Individual Shawn Matthies
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7. Approval for Return To Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY	FAA Fit. Standards Inspector	Manufacturer	Inspection Authorization	Other (Specify)
	FAA Designee	X Repair Station	Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection 9/23/2005		Certificate or Designation No. AWKR298C	Signature of Authorized Individual Shawn Matthies	



### NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

**8. Description of Work Accomplished**

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

Installed turbo normalizing system in accordance with STC# SE5222NM, in accordance with Flight Craft Turbo drawing list installation instructions number ETI-B-01 rev. A dated 02/17/2001 or later as listed on the approved model list of this STC, dated August 22, 1991 or later FAA approved revision.

Instructions for continued airworthiness listed in Flightcraft Turbo Inc. Report # 96-9 rev. none, dated 6/10/1996. this document is filed with the aircraft logbooks, and associated paperwork.

Weight and Balance ammended.

-----END-----

☐ Additional Sheets Are Attached





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1. Aircraft	Make Raytheon Aircraft Co.	Model A-36
	Serial No. E-3222	Nationality and Registration Mark N527RS
2. Owner	Name (As shown on registration certificate) Lookout Mountain, LLC.	Address (As shown on registration certificate) 1700 Jones St. Apt. 1 San Francisco, Ca. 94109-2160

**3. For FAA Use Only**

4. Unit Identification				5. Type	
Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	~~~~~ (As described in Item 1 above) ~~~~~				XX
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

**6. Conformity Statement**

A. Agency's Name and Address	B. Kind of Agency	C. Certificate No.
Woodland Aviation Inc. 17992 County Road 94B Woodland, CA 95695	<input type="checkbox"/> U.S. Certified Mechanic	FAA CRS AWKR 298C AF-1,3, RAD-1,2,3, L-PP, L-PRP, L-INS
	<input type="checkbox"/> Foreign Certified Mechanic	
	<input checked="" type="checkbox"/> Certificated Repair Station	
	<input type="checkbox"/> Manufacturer	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date September 26, 2007	Signature of Authorized Individual Douglas E. Barton <i>Douglas E. Barton</i>
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**7. Approval for Return to Service**

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY	FAA Fit. Standards Inspector	Manufacturer	Inspection Authorization	Other (Specify)
	FAA Designee	<input checked="" type="checkbox"/> Repair Station	Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection September 26, 2007		Certificate or Designation No. CRS AWKR298C	Signature of Authorized Individual Douglas E. Barton <i>Douglas E. Barton</i>	



# NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

## B. Description of Work Accomplished

(If more space is required, attach additional sheets, identify with aircraft nationality and registration mark and date work completed.)

### Removed the following equipment:

Manufacturer	Model	Part No.	Description	TSO
Avidyne	5RR	D98-00003-01	CD ROM Loader	C113
Avidyne	5RRMFC	D98-00001-47	Multi-Function Display	C113

### Installed the following equipment:

Manufacturer	Model	Part No.	Description	TSO
Garmin	GMX-200	011-01465-00	Multi-Function Display	C113

Removed Avidyne 5RRMFC Multi-Function Display, and 5RR CD ROM Data Loader, and installed in same location a Garmin GMX-200 Multi-Function Display. Installed Garmin GMX-200 Multi Function Display in accordance with Garmin Supplemental Type Certificate Master Data List, P/N 005-C0315-00, Revision B, dated July 05, 2007, or later FAA approved revision, and FAA STC SA01692SE, dated August 11, 2006.

Garmin P/N 190-00607-01 Rev. B, Airplane Flight Manual Supplement, dated July 13, 2007, for the GMX-200 Multi Function Display, was placed in the FAA Approved Pilots Operating Handbook. Garmin GMX-200 Pilot's Guide and Reference Document Number 190-00607-02 Rev. B, dated November 2006, was placed in the aircraft, and must be available to the flight crew during aircraft flight operations.

All work was accomplished in accordance with manufacturer's instructions, FAA AC 43.13-1B, Chapter 11, Section 3, paragraph 11-37; Section 4, paragraph 11-47 through 11-53; Section 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.

The Aircraft Weight and Balance and the Aircraft Equipment List were amended in accordance with AC 43.13-1B, Chapter 10, Section 2, paragraph 10-16, 10-20.

Electrical load was checked in accordance with FAA AC 43.13-1B, Chapter 11, Section 3, paragraph 11-33, 11-36, 11-37, and does not exceed 80% of the approved buss load rating.

Instructions for continued airworthiness requires a visual inspection and operational test of this equipment annually in accordance with manufacturers instructions and FAR 43, Appendix "D", and Garmin ICA Document No. 190-00607-00, Rev. A, dated 06/19/06.

THE END





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1. Aircraft	Make Raytheon Aircraft Co.	Model A-36
	Serial No. E-3222	Nationality and Registration Mark N527RS
2. Owner	Name (As shown on registration certificate) Lookout Mountain, LLC.	Address (As shown on registration certificate) 1700 Jones St. Apt. 1 San Francisco, Ca. 94109-2160

**3. For FAA Use Only**

**4. Unit Identification**

**5. Type**

Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	~~~~~ (As described in Item 1 above) ~~~~~				XX
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

**6. Conformity Statement**

A. Agency's Name and Address Woodland Aviation Inc. 17992 Co. Rd. 94B Woodland, CA 95695	B. Kind of Agency <input type="checkbox"/> U.S. Certified Mechanic <input type="checkbox"/> Foreign Certified Mechanic <input checked="" type="checkbox"/> Certificated Repair Station <input type="checkbox"/> Manufacturer	C. Certificate No. FAA CRS AWKD 298C AF-1,3 RAD-1,2,3 L-PP, L-PRP, L-INS
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D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date September 26, 2007	Signature of Authorized Individual Douglas E. Barton <i>Douglas E. Barton</i>
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**7. Approval for Return to Service**

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY	FAA Fit. Standards Inspector	Manufacturer	Inspection Authorization	Other (Specify)
	FAA Designee	X Repair Station	Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection September 26, 2007		Certificate or Designation No. FAA CRS AWKR 298C	Signature of Authorized Individual Douglas E. Barton <i>Douglas E. Barton</i>	



# NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

## B. Description of Work Accomplished

### Installed the following equipment:

Manufacturer	Model	Part No.	Description	TSO
Garmin	GNS-530W	011-01064-00	NAV/COMM/GPS/WAAS	C146a
Garmin	GA-35	013-00235-00	GPS/WAAS Antenna	C144, C129a

Installed Garmin Model 400W / 500W Series GPS-WAAS Navigation System in accordance with FAA Approved Garmin 400W Series Master Data List, Drawing No.: 005-C0221-00, Revision "A", dated October 31, 2006, or later FAA approved revision; or FAA Approved Garmin 500W Series Master Data List, Drawing No.: 005-C0221-01, Revision "A", dated October 31, 2006, or later FAA approved revision. For Garmin 500W installation: FAA Approved Garmin 500W Series Airplane Flight Manual Supplement, Document No.: 190-00357-63, Revision "Original", dated December 21 2006, or later FAA approved revision, was placed in the aircraft and be available to the flight crew during aircraft flight operations. Installation made in accordance with FAA STC SA01933LA, dated November 6, 2006.

Updated the aircraft Equipment List to reflect the new WAAS Unit. The current electrical load analysis remains valid since the new units draw the same or less current than the original units.

All work was accomplished in accordance with manufacturer's instructions, FAA AC 43.13-1B, Chapter 11, Section 3, paragraph 11-37; Section 4, paragraph 11-47 through 11-53; Section 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 annually in accordance with manufacturers instructions and FAR 43, Appendix "D", and Garmin ICA Document No. 190-00357-65, Rev. "A", for the Garmin 500W Series, or later revisions.

THE END





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	Serial No. E-3222	Nationality and Registration Mark N527RS
2. Owner	Name (As shown on registration certificate) Lookout Mountain, LLC.	Address (As shown on registration certificate) 1700 Jones St. Apt. 1 San Francisco, Ca. 94109-2160

**3. For FAA Use Only**

**4. Unit Identification**

**5. Type**

Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	~~~~~ (As described in Item 1 above) ~~~~~				XX
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

**6. Conformity Statement**

A. Agency's Name and Address	B. Kind of Agency	C. Certificate No.
Woodland Aviation Inc. 17992 County Road 94B Woodland, CA 95695	<input type="checkbox"/> U.S. Certified Mechanic	FAA CRS AWKR 298C AF-1,3, RAD-1,2,3, L-PP, L-PRP, L-INS
	<input type="checkbox"/> Foreign Certified Mechanic	
	<input checked="" type="checkbox"/> Certificated Repair Station	
	<input type="checkbox"/> Manufacturer	

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Date September 26, 2007	Signature of Authorized Individual Douglas E. Barton <i>Douglas E. Barton</i>
----------------------------	--

**7. Approval for Return to Service**

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is <input checked="" type="checkbox"/> APPROVED <input type="checkbox"/> REJECTED				
BY	FAA Fit. Standards Inspector	Manufacturer	Inspection Authorization	Other (Specify)
	FAA Designee	<input checked="" type="checkbox"/> Repair Station	Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection September 26, 2007		Certificate or Designation No. CRS AWKR298C	Signature of Authorized Individual Douglas E. Barton <i>Douglas E. Barton</i>	



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## B. Description of Work Accomplished

(If more space is required, attach additional sheets, identify with aircraft nationality and registration mark and date work completed.)

### Installed the following equipment:

Manufacturer	Model	Part No.	Description	TSO
Garmin	GDL-69A	011-00987-00	XM Receiver	FAA-PMA
Garmin	GA-55	011-01033-00	XM Antenna	FAA-PMA

Installed Garmin GDL-69A XM Receiver on the aft avionics at F.S. 197.00", in accordance with Garmin GDL-69/69A installation manual P/N 190-00355-02, Revision E, dated June 30, 2006. Garmin GDL-69A installation made in accordance with FAA STC SA01487SE, dated December 20, 2004, and STC Master Data List P/N 005-C0217-00, Revision C, dated July 28, 2005. Garmin GA-55 XM Antenna was located at F.S. 196.00".

All work was accomplished in accordance with manufacturer's instructions, FAA AC 43.13-1B, Chapter 11, Section 3, paragraph 11-37; Section 4, paragraph 11-47 through 11-53; Section 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 Aircraft Weight and Balance and the Aircraft Equipment List were amended in accordance with AC 43.13-1B, Chapter 10, Section 2, paragraph 10-16, 10-20.

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.

Electrical load was checked in accordance with FAA AC 43.13-1B, Chapter 11, Section 3, paragraph 11-33, 11-36, 11-3 and does not exceed 80% of the approved electrical buss capacity.

Instructions for continued airworthiness requires a visual inspection and operational test of this equipment annually in accordance with manufacturers instructions and FAR 43, Appendix "D", and Garmin ICA Document Drawing Number 190-00355-00, Rev. A, dated December 20, 2004.

THE END

☐ Additional Sheets Attached





U.S. Department  
of Transportation  
Federal Aviation  
Administration

## MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)

Form Approved  
OMB No. 2120-0020  
For FAA Use Only  
Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

1. Aircraft	Make Raytheon Aircraft Co.	Model A-36
	Serial No. E-3222	Nationality and Registration Mark N527RS
2. Owner	Name (As shown on registration certificate) Lookout Mountain, LLC.	Address (As shown on registration certificate) 1700 Jones St. Apt. 1 San Francisco, Ca. 94109-2160

### 3. For FAA Use Only

4. Unit Identification				5. Type	
Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	~~~~~ (As described in Item 1 above) ~~~~~				XX
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

### 6. Conformity Statement

A. Agency's Name and Address	B. Kind of Agency	C. Certificate No.
Woodland Aviation Inc. 17992 County Road 94B Woodland, CA 95695	<input type="checkbox"/> U.S. Certified Mechanic	FAA CRS AWKR 298C AF-1,3, RAD-1,2,3, L-PP, L-PRP, L-INS
	<input type="checkbox"/> Foreign Certified Mechanic	
	<input checked="" type="checkbox"/> Certificated Repair Station	
	<input type="checkbox"/> Manufacturer	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date September 26, 2007	Signature of Authorized Individual Douglas E. Barton <i>Douglas E. Barton</i>
----------------------------	--

### 7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 4 above was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY	FAA Fit. Standards Inspector	Manufacturer	Inspection Authorization	Other (Specify)
	FAA Designee	X Repair Station	Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection September 26, 2007		Certificate or Designation No. CRS AWKR298C	Signature of Authorized Individual Douglas E. Barton <i>Douglas E. Barton</i>	



# NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

## B. Description of Work Accomplished

(If more space is required, attach additional sheets, identify with aircraft nationality and registration mark and date work completed.)

### Removed the following equipment:

Manufacturer	Model	Part No.	Description	TSO
Insight Corp.	GEM 610	610-001	EGT/CHT Indicator	C43b

### Installed the following equipment:

Manufacturer	Model	Part No.	Description	TSO
J.P. Instruments	EDM-700	EGT-701-6C	EGT/CHT Indicator	C43b

### Installed the following equipment:

Installed J.P. Instruments EDM-700/800 Temperature Monitoring System in accordance with FAA Approved J.P. Instruments drawing List Reports No. 100, Revision D, dated December 19, 1996, or later FAA approved revisions, and FAA STC SA2586NM, dated August 14, 1985, and amended June 17, 1999. FAA Approved Airplane Flight Manual Supplement No. 1, for EGT-701 temperature indicator, Revision B, dated June 17, 1999, or later FAA approved revisions, was placed in the FAA Approved POH, and must be available to the pilot during flight operations.

All work was accomplished in accordance with manufacturers' instructions, FAA AC 43.13-1B, Chapter 11, Section 3, paragraph 11-37; Section 4, paragraph 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 43.13-2A, Chapter 1, paragraph 12, chapter 2, paragraphs 21, 22, 23, 24; Chapter 3, paragraph 36.

The installed equipment was operationally tested and performed satisfactorily and did not adversely affect the existing components or systems in the aircraft as required by FAR 23.1301.

The aircraft Weight and Balance and the aircraft Equipment List were amended in accordance with AC 43.13-1B, Chapter 10, Section 2, paragraphs 10-16, 10-20.

Electrical load was checked in accordance with FAA AC 43.13-1B, Chapter 11, Section 3, paragraph 11-33, 11-36, 11-3 and does not exceed 80% of the approved electrical buss capacity.

Instructions for continued airworthiness requires a visual inspection and operational test of this equipment in accordance with manufacturers' recommendations and FAR 43, Appendix "D", annually.

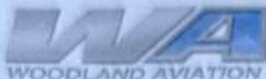
THE END

☐ Additional Sheets Attached



Date 9/26/2007

W/O# 8058



Airframe (Avionics) Logbook Entry AIRCRAFT: N 527RS

CRS AWKR298C

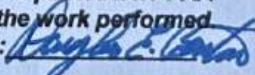
S/N E-3222

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



INSPECTION PROCEDURES MANUAL  
WOODLAND AVIATION, INC.

GPS FUNCTIONAL FLIGHT EVALUATION WORK SHEET (W/A21)

Legend: P = Pass; F = Fail; N/A = Not Applicable

- A P Evaluate all operating modes of the equipment.  
B P Examine interface of other equipment.  
C P Review failure modes and associated annunciations.  
D P Evaluate steering response with autopilot coupled.  
E P Evaluate instrument interface with HSI, CDI, etc.  
F P Assess all switching and transfer functions including high power electrical loads and electrical bus switching.  
G P Evaluate EMI & RFI on VHF frequencies: 121.150, 121.175, 121.200, 131.250, 131.275 and 131.300 MHz (modulated and unmodulated for 20 second transmissions).  
H P Evaluate accessibility of equipment records.  
I P Evaluate visibility of displays and annunciators. No distracting glare or reflection.  
J P Monitor the displayed cross-track error and distance to waypoint during the enroute and approach transition to verify that the Flight Technical Error (FTE) is less than 1 nm. With and without the autopilot.  
K P Verify continuity of navigation data during normal aircraft maneuvers including 30 degree bank turns for 360 degrees left and right.  
L P Monitor the displayed cross-track error and distance to waypoint during approach operations of the flight and verify that the FTE is less than .25 nmi. With and without the autopilot.  
M P For equipment approved for approach, conduct at least 3 (three) published instrument approaches (retrieved from the database) to verify proper operation.

Approach #1 Name	<u>SAC RNY 02</u>	Results	<u>PASS</u>
Approach #1 Name	<u>SAC RNY 02</u>	Results	<u>PASS</u>
Approach #1 Name	<u>UCB GPS V</u>	Results	<u>PASS</u>

Equipment MFG GARMIN Model GNS-530 TSO C146a

Aircraft N N527RS Make RAYTHEON Model A-36 S/N E-3222

has completed a flight accuracy check in accordance with the applicable requirements:  
GPS: AC 20-138, paragraph 8c (2)(IV). GPS Multi Sensor: AC 20-130A 9c(2)(IV).

Technician DENNIS WILLIAMS Cert. No. 2017623  
Signature D. Williams  
Cert. Type A&P Date SEPT. 27, 2007



Name & Address (as shown on registration)  
**LOOKOUT MOUNTAIN, LLC**

1700 JONES ST. APT. 1  
SAN FRANCISCO, CA. 94109-2160

Aircraft Make **RAYTHEON AIRCRAFT CO.**

Aircraft Model **A-36**

Registration **N527RS**

Serial Number **E-3222**

W/O Number **8058**

Previous W & B Date	Empty Weight	Arm	Moment	Useful Load	Gross Weight	
September 23, 2005	2744.32	77.55	212810.74	1255.68	4000.00	
Item Removed.....				Weight	Arm	Moment
INSIGHT GEM 610 EGT/CHT INDICATOR				1.00	52.00	52.00
AVIDYNE 5RR CD/ROM LOADER				2.20	53.00	116.60
AVIDYNE 5RR MFC MULTI-FUNCTION DISPLAY				8.00	52.00	416.00
BENDIX/KING KN-72 VOR/LOC CONVERTER				2.00	199.00	398.00
BENDIX/KING KX-155A VHF NAV/COMM				5.50	53.00	291.50
BENDIX/KING KMA-26 AUDIO/MARKER/ICS PANEL				2.00	55.00	110.00
BENDIX/KING KLN-90B GPS RECEIVER				6.00	53.00	318.00
MID-CONTINENT MD41-248 RELAY				0.75	52.00	39.00
MID-CONTINENT MD41-1328 GPS ACU				0.30	57.00	17.10
ARTEX ELT 110-4				4.00	228.00	912.00
BENDIX/KING KA-91 GPS ANTENNA				1.00	86.00	86.00
Installed.....				Weight	Arm	Moment
GARMIN GNS-530W NAV/COMM/GPS/WAAS				7.00	53.00	371.00
GARMIN GMS-200 MULTI-FUNCTION DISPLAY				5.40	53.00	286.20
GARMIN GMA-340 AUDIO/MARKER/ICS PANEL				1.70	55.00	93.50
GARMIN GDL-69A XM RECEIVER				3.10	197.00	610.70
GARMIN GA-35 GPS/WAAS ANTENNA				0.50	86.00	43.00
GARMIN GA-55 XM ANTENNA				0.50	196.00	98.00
ARTEX 110-320 ELT ANTENNA				0.50	196.00	98.00
ARTEX G406-4 ELT				4.50	228.00	1026.00
ARTEX 435-6500 ELT/NAV INTERFACE				3.30	228.00	752.40
J.P.I. EDM 700/800 EGT/CHT INDICATOR				1.10	52.00	57.20

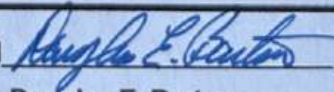
New Empty Weight 2739.17

New Moment 213490.54

New Arm 77.94

New Useful Load 1260.83

Signed



Douglas E. Barton

September 26, 2007

**CRS# AWKR298C**





U.S. Department  
of Transportation  
Federal Aviation  
Administration

# MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)

Form Approved  
OMB No. 2120-0025  
10-000002

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 14 CFR 43.9, Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. §44701). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. §44701(e))

1. Aircraft	Nationality and Registration Mark N527PS	Serial No. B-3322	
	Make RAYTHEON AIRCRAFT COMPANY	Model A36	Series BONANZA
2. Owner	Name (As shown on registration certificate) LOOKOUT MOUNTAIN LLC	Address (As shown on registration certificate) Address: 1700 JONES ST. APT. 1 City: SAN FRANCISCO State: CA Zip: 94109-2100 Country: USA	

3. For FAA Use Only

A. Type		B. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
	XXXX	AIRFRAME		(As described in item 1 above)	
		POWERPLANT			
		PROPELLER			
		APPLIANCE	Type		
			Manufacturer		

## 6. Conformity Statement

A. Agency's Name and Address WOODLAND AVIATION INC. 23170 AVIATION AVE. DAVIS, CA 95616	B. Kind of Agency <input type="checkbox"/> U.S. Certified Mechanic <input type="checkbox"/> Foreign Certified Mechanic <input checked="" type="checkbox"/> Certified Repair Station <input type="checkbox"/> Certified Maintenance Organization	C. Certificate No. FAA CRS AWR 298C AF-13, RAD-1,2,3, L-PP, L-PPF, L-BIS
--	---	---

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Extended range fuel Per 14 CFR Part 43 App. B <input type="checkbox"/>	Signature/Date of Authorized Individual DAMON SCHMIDT / 10/29/2010 <i>Damon Schmidt</i>
--	--

## 7. Approval for Return To Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY	FAA FTL Standards Inspector	Manufacturer	Maintenance Organization	Person Approved by Transport Canada Airworthiness Group
	FAA Designee	X Repair Station	Inspection Authorization	Other (Specify)

Certificate or Designation No. AWKR 298C	Signature/Date of Authorized Individual DAMON SCHMIDT / 10/29/2010 <i>Damon Schmidt</i>
---	--



# NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

## A. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify aircraft nationality and registration mark and date work completed.)

N527RS

Nationality and Registration Mark

10/29/2010

Date

REMOVED ELECTRO-MECH EM8007 STANDBY GENERATOR SYSTEM.

INSTALLED B&C SPECIALTY PRODUCTS, INC. STANDBY ALTERNATOR SYSTEM BC-410-1 PER STC SA00724WI AND IN ACCORDANCE WITH INSTALLATION MANUAL P/N 410-500-3 REV. F, DATED 11/2003.

INSTALLED FLIGHT MANUAL SUPPLEMENT DOCUMENT NO FMS410-2, DATED 6/26/2000.

WEIGHT AND BALANCE AND EQUIPMNT LIST REVISED.

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ARE DOCUMENT NO. ICA-BC410, REV. A, DATED 11/2003 AND ARE FILED WITH THE AIRCRAFT PERMANENT RECORDS.

END



Name & Address (as shown on registration)  
LOOKOUT MOUNTAIN, LLC.

1700 JONES ST. APT. 1  
SAN FRANCISCO, CA. 94109-2160

Aircraft Make RAYTHEON AIRCRAFT CO.

Aircraft Model A-36

Registration N527RS

Serial Number E-3222

W/O Number 11065

Previous W & B Date	Empty Weight	Arm	Moment	Useful Load	Gross Weight	
June 5, 2009	2739.67	77.93	213503.38	1260.33	4000.00	
Item Removed.....				Weight	Arm	Moment
ELECRT0-MECH EM2070-1 VOLTAGE REGULATOR-STANDBY				1.20	40.00	48.00
ELECTRO-MECH EM8007 GENERATOR-STANDBY				11.00	35.00	385.00

New Empty Weight 2736.17

New Moment 213379.88

New Arm 77.98

New Useful Load 1263.83

Signed

*Douglas E. Barton*  
Douglas E. Barton

October 29, 2010

**CRS# AWKR298C**





US Department  
of Transportation  
Federal Aviation  
Administration

**MAJOR REPAIR AND ALTERATION**  
**(Airframe, Powerplant, Propeller, or Appliance)**

Form Approved  
OMB No. 2120-0020  
11/00/2007

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 14 CFR 43.9, Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. §44701). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. §46301(a))

1. Aircraft	Nationality and Registration Mark N527RS	Serial No. E-3222	
	Make HAWKER BEACHCRAFT	Model A36	Series BONANZA
2. Owner	Name (As shown on registration certificate) LOCKOUT MOUNTAIN LLC	Address (As shown on registration certificate) Address: 1700 JONES ST. APT 1 City: SAN FRANCISCO State: CA Zip: 94109-2160 Country: USA	

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
	XXXXX	AIRFRAME		(As described in item 1 above)	
		POWERPLANT			
		PROPELLER			
		APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address WOODLAND AVIATION INC. 17992 COUNTY RD. 94B WOODLAND, CA 95695	B. Kind of Agency <input type="checkbox"/> U.S. Certificated Mechanic <input type="checkbox"/> Foreign Certificated Mechanic <input checked="" type="checkbox"/> Certificated Repair Station <input type="checkbox"/> Certificated Maintenance Organization	C. Certificate No. FAA CRS AWKR 298C AF-1,3, RAD-1,2,3, L-PP, L-PRP, L-INS
--	---	---

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Extended range fuel Per 14 CFR Part 43 App. B <input type="checkbox"/>	Signature/Date of Authorized Individual DAMON SCHMIDT / 6/5/2009 <i>Damon Schmidt</i>
--	--

7. Approval for Return To Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY	FAA Flt. Standards Inspector	Manufacturer	Maintenance Organization	Person Approved by Transport Canada Airworthiness Group
	FAA Designee	X Repair Station	Inspection Authorization	Other (Specify)

Certificate or Designation No. AWKR298C	Signature/Date of Authorized Individual DAMON SCHMIDT / 6/5/2009 <i>Damon Schmidt</i>
--	--



# NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

## 8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify aircraft nationality and registration mark and date work completed.)

N527RS

Nationality and Registration Mark

6/5/2009

Date

- Installed "Airwolf Filter Corp." Air / Oil Separator Kit No. AFC-W410. Installation was done in accordance with "Airwolf Filter Corp." STC# SA02268CH and Airwolf Airsep Installation Instructions Drawing number AFC-W360 Rev. C, Dated 8/28/06 and AC43.13-1B Chapters 4, 7 & 8.
- Weight and Balance and Equipment List revised.
- Instructions For Continued Airworthiness are contained in the Installation Instructions and were inserted in the aircraft permanent records.

☐ Additional Sheets Are Attached





US Department  
of Transportation  
Federal Aviation  
Administration

# MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)

Form Approved  
OMB No. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

1. Aircraft	Make <b>Raytheon</b>	Model <b>A-36</b>
	Serial No. <b>E-3222</b>	Nationality and Registration Mark <b>USA N527RS</b>
2. Owner	Name (As shown on registration certificate) <b>Lookout Mountain, LLC</b>	Address (As shown on registration certificate) <b>1700 Jones Street, Apt. 1 San Francisco, CA 94109-2160</b>

### 3. For FAA Use Only

The data identified herein complies with the applicable airworthiness requirements and is approved only for the above described aircraft, subject to conformity inspection by a person authorized in 14 CFR part 43, section 43.7.

10/06/2004  
Date

*[Signature]*  
Larry J. Zioczewski, Principal Avionics Inspector

4. Unit Identification				5. Type	
Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	~~~~~ (As described in Item 1 above) ~~~~~				X
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

### 6. Conformity Statement

A. Agency's Name and Address <b>Mather Aviation, LLC 10360 Macready Avenue Rancho Cordova, CA 95655</b>	B. Kind of Agency <input type="checkbox"/> U.S. Certified Mechanic <input type="checkbox"/> Foreign Certified Mechanic <input checked="" type="checkbox"/> Certificated Repair Station <input type="checkbox"/> Manufacturer	C. Certificate No. <b>CRS # PCPR439B</b>
--	--	---

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date <b>10/6/04</b>	Signature of Authorized Individual <b>S. A. Wilbur</b> <i>[Signature]</i>
------------------------	--

### 7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY	FAA Fit. Standards Inspector	Manufacturer	Inspection Authorization	Other (Specify)
	FAA Designee	<input checked="" type="checkbox"/> Repair Station	Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection <b>10/6/04</b>		Certificate or Designation No. <b>PCPR439B</b>	Signature of Authorized Individual <b>S.A. Wilbur</b> <i>[Signature]</i>	



## NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

### B. Description of Work Accomplished

(If more space is required, attach additional sheets, identify with aircraft nationality and registration mark and date work accomplished.)

1. Raytheon A-36 Serial E-3222 N527RS 747.6 AFTT
2. This 337 is to validate an installation improperly documented on FAA Form 337 dated 09-20-99 by Raytheon Aircraft Services, CRS# CG0R815C.
3. Description of work performed:
  - Inspected and found previously installed Avidyne Corporation Flightmax Flight-Situation Display (FSD) model 5RR-MFC Series, PN D98-00001-45 with CD / Data Loader, PN D98-00003-01, conforms to the below referenced technical data. The Avidyne Flightmax is installed as a "follow-on" to STC# SA 00072BO for the Mooney Aircraft models M20C. The equipment meets TSO C147, C118, C113, C110a, and C63c.
  - Performed operational checks of the installed equipment and determined that installed equipment operations does not negatively affect other equipment installed.
4. Installations determined to conform to the following technical data, as applicable:
  - Avidyne Flightmax Flight Situation Display model 5RR-MFC Series with CD / Data Loader Release 3 Installation Manual PN 600-0025 Revision 02, dated December 02, 1998;
  - FAA Advisory Circulars AC 43.13-1B, Chapter 11, paragraph 11-7, paragraph 11-147, paragraph 11-67, Chapter 12, paragraph 12-9, and AC 43.13-2A, Chapter 2, paragraph 2-22.
5. A complete operational test of the system was performed with satisfactory performance and did not adversely affect existing components or systems installed in the aircraft.
6. An electrical load analysis was performed and found that the continuous operation of the installed equipment does not exceed 80% of the alternator capacity.
7. The placard "FSD is not approved for navigation" found installed adjacent to unit.
8. A FAA approved Aircraft Flight Manual Supplement dated 10/06/2004 was prepared and placed in the Aircraft Flight Manual.
9. This installation resulted in changes to the aircraft weight and balance which is reflected in a revised weight and balance computation prepared by the installer. The Aircraft Equipment List was also revised to reflect the changes in installed equipment.
10. Instructions for Continued Airworthiness remain unchanged and are found in the Flightmax Flight Situation Display 5RR-MFC Series Installation Manual, Appendix J.

-----END-----

☐ Additional Sheets Are Attached





US Department  
of Transportation  
Federal Aviation  
Administration

**MAJOR REPAIR AND ALTERATION**  
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved  
OMB No. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

1. Aircraft	Make Raytheon	Model A-36
	Serial No. E-3222	Nationality and Registration Mark USA N527RS
2. Owner	Name (As shown on registration certificate) Lookout Mountain LLC	Address (As shown on registration certificate) 1700 Jones Street Apt. 1 San Francisco, CA 94109-2160

**3. For FAA Use Only**

4. Unit Identification				5. Type	
Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	(As described in Item 1 above)			X	
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

**6. Conformity Statement**

A. Agency's Name and Address	B. Kind of Agency	C. Certificate No.
NICHOLAS EDWARD BISHOP DBA WEST COAST WINGS 1401B SOUTH STATE STREET UKIAH, CA 95482	<input checked="" type="checkbox"/> U.S. Certificated Mechanic	569539512
	<input type="checkbox"/> Foreign Certificated Mechanic	
	<input type="checkbox"/> Certificated Repair Station	
	<input type="checkbox"/> Manufacturer	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date 9/7/04	Signature of Authorized Individual 
----------------	--

**7. Approval for Return To Service**

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY	FAA Flt. Standards Inspector	Manufacturer	<input checked="" type="checkbox"/>	Inspection Authorization	Other (Specify)
	FAA Designee	Repair Station		Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection 9/7/04		Certificate or Designation No. 569539512	Signature of Authorized Individual NICHOLAS E. BISHOP		



# NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

## B. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

REPLACE DAMAGED OUTBOARD AND CENTER LEADING EDGE SKINS, AND LOWER BOX SECTION SKINS ROOT TO TIP ON RH WING USING PROCEDURES IN AC 43.13-1B CHAP. 4 SEC. 4(METAL REPAIR PROCEDURES) AND BEECH BONANZA SERIES MAINTENANCE MANUAL.

SUPPORT WING AND REMOVE LEADING EDGE HINGE PINS AND FORWARD SPAR TO BOX SECTION HINGE PINS, SEPARATING LEADING EDGE AND FORWARD SPAR FROM BOX SECTION.

REMOVE CENTER AND OUTBOARD LEADING EDGE SKINS AND REMOVE BOX SECTION LOWER INBOARD & OUTBOARD SKINS I.A.W. AC 43.13-1B 4-52b.

REPLACE THE FOLLOWING WITH NEW:

LOWER STRINGER P/N 35-115199-5

LOWER STRINGER P/N 35-115199-7

LOWER STRINGER P/N 35-115200-79

LOWER STRINGER P/N 35-115200-81

LEADING EDGE RIB STA. 191.0 P/N 000-110019-2

OUTBOARD LEADING EDGE SKIN P/N 000-110015-11

CENTER LEADING EDGE SKIN P/N 000-110105-56

LOWER INBOARD FAIRING P/N 35-115200-99

OUTBOARD BOX SKIN P/N 35-115199-27

4 EACH HINGE PINS P/N 105774C-ZG190000

FABRICATE REPLACEMENT BOX SECTION INBOARD SKIN FROM 2024T3 .016" CLAD ALUMINUM. SAME AS REMOVED, AND LOWER SKIN AFT OF WHEEL WELL FROM 2024T3 .020" CLAD ALUMINUM, SAME AS REMOVED I.A.W. AC 43.13-1B 4-53

REASSEMBLE WING AND RIVET I.A.W. AC 43.13-1B 4-57a.b.c.d.f.

-----END-----

THE INSTALLER IS TO FILL OUT BLOCKS 1 & 2 OF THIS FORM I.A.W AC 43.9-1E 5a.b.

THE INSTALLER IS TO SIGN AND DATE THIS FORM UPON INSTALLATION

SIGNATURE & CERT # JDV CRSA# RAR 1598

DATE OF INSTALLATION 9-27-04

☐ Additional Sheets Are Attached





US Department  
of Transportation  
Federal Aviation  
Administration

**MAJOR REPAIR AND ALTERATION**  
**(Airframe, Powerplant, Propeller, or Appliance)**

Form Approved  
OMB No. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

1. Aircraft	Make Raytheon	Model A-36
	Serial No. E-3222	Nationality and Registration Mark USA N527RS
2. Owner	Name (As shown on registration certificate) Lookout Mountain LLC	Address (As shown on registration certificate) 1700 Jones Street Apt. 1 San Francisco, CA 94109-2160

**3. For FAA Use Only**

**4. Unit Identification**

**5. Type**

Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	(As described in Item 1 above)			X	
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

**6. Conformity Statement**

<b>A. Agency's Name and Address</b> NICHOLAS EDWARD BISHOP DBA WEST COAST WINGS 1401B SOUTH STATE STREET UKIAH, CA 95482	<b>B. Kind of Agency</b> <input checked="" type="checkbox"/> U.S. Certificated Mechanic <input type="checkbox"/> Foreign Certificated Mechanic <input type="checkbox"/> Certificated Repair Station <input type="checkbox"/> Manufacturer	<b>C. Certificate No.</b> 569539512
--	---	--

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date 9/7/04	Signature of Authorized Individual 
----------------	--

**7. Approval for Return To Service**

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY	FAA Fit. Standards Inspector	Manufacturer	X	Inspection Authorization	Other (Specify)
	FAA Designee	Repair Station		Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection 9/7/04		Certificate or Designation No. 569539512	Signature of Authorized Individual NICHOLAS E. BISHOP		



# NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

## B. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

REPLACE CENTER LEADING EDGE SKIN AND BOX SECTION INBOARD LOWER SKIN ON LH WING I.A.W. AC 43.13-1B CHAP. 4 SEC. 4(METAL REPAIR PROCEDURES) AND BEECH BONANZA SERIES MAINTENANCE MANUAL.

REMOVE LEADING EDGE ASSEMBLY FROM FORWARD SPAR AND REMOVE CENTER LEADING EDGE SKIN. REMOVE BOX SECTION INBOARD LOWER SKIN AND LOWER SKIN AFT OF WHEEL WELL I.A.W. AC 43.13-1B 4-52b.

FABRICATE REPLACEMENT INBOARD SKIN FROM 2024T3 .016" CLAD ALUMINUM, SAME AS REMOVED AND FABRICATE REPLACEMENT SKIN AFT OF WHEEL WELL FROM 2024T3 .020" CLAD ALUMINUM, SAME AS REMOVED I.A.W. AC 43.13-1B4-53.

REPLACE THE FOLLOWING PARTS WITH NEW:  
CENTER LEADING EDGE P/N 000-110105-55  
2 EACH HINGE PINS P/N 105-774C-ZG190000

REASSEMBLE WING AND RIVET I.A.W. AC 43.13-1B 4-57a.b.c.d.f.

-----END-----

THE INSTALLER IS TO FILL OUT BLOCKS 1 & 2 OF THIS FORM I.A.W. AC 43.9-1E 5a.b.

THE INSTALLER IS TO SIGN AND DATE THIS FORM UPON INSTALLATION

SIGNATURE & CERT. # John CRS#PCPR4398

DATE OF INSTALLATION 9-27-04

☐ Additional Sheets Are Attached





US Department  
of Transportation  
Federal Aviation  
Administration

**MAJOR REPAIR AND ALTERATION**  
**(Airframe, Powerplant, Propeller, or Appliance)**

Form Approved  
OMB No. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

1. Aircraft	Make Raytheon	Model A-36
	Serial No. E-3222	Nationality and Registration Mark USA N527RS
2. Owner	Name (As shown on registration certificate) Lookout Mountain LLC	Address (As shown on registration certificate) 1700 Jones Street Apt. 1 San Francisco, CA 94109-2160

3. For FAA Use Only

4. Unit Identification

5. Type

Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	(As described in Item 1 above)			X	
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

6. Conformity Statement

A. Agency's Name and Address	B. Kind of Agency	C. Certificate No.
NICHOLAS EDWARD BISHOP DBA WEST COAST WINGS 1401B SOUTH STATE STREET UKIAH, CA 95482	<input checked="" type="checkbox"/> U.S. Certificated Mechanic	569539512
	<input type="checkbox"/> Foreign Certificated Mechanic	
	<input type="checkbox"/> Certificated Repair Station	
	<input type="checkbox"/> Manufacturer	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date 9/2/04	Signature of Authorized Individual 
----------------	--

7. Approval for Return To Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY	FAA Fit. Standards Inspector	Manufacturer	<input checked="" type="checkbox"/> Inspection Authorization	Other (Specify)
	FAA Designee	Repair Station	Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection 9/2/04		Certificate or Designation No. 569539512	Signature of Authorized Individual NICHOLAS E. BISHOP 	



# NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

## 8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

REPAIR DAMAGED LH FLAP ASSEMBLY P/N 35-165050-607 S/N E3222 USING BEECH BONANZA SHOP MANUAL AND AC 43.13-1B CHAP. 4 SEC. 4(METAL REPAIR PROCEDURES).

SUPPORT FLAP IN FIXTURE AND DISASSEMBLE I.A.W. AC 43.13-1B 4-52b.

REPLACE THE FOLLOWING PARTS WITH NEW:  
SKIN P/N 35-165051-8

REASSEMBLED FLAP USING NEW SKIN AND RIVET I.A.W. AC 43.13-1B 4-57a.b.c.d.

FLAP NOT INSTALLED ON AIRCRAFT.

END

THE INSTALLER IS TO FILL OUT BLOCKS 1 & 2 OF THIS FORM I.A.W. AC 43.9-1E 5a.b.

THE INSTALLER IS TO SIGN AND DATE THIS FORM UPON INSTALLATION:

SIGNATURE & CERT. # 800 CRSA R-PR437B

DATE OF INSTALLATION 9-27-04

☐ Additional Sheets Are Attached





US Department  
of Transportation  
Federal Aviation  
Administration

**MAJOR REPAIR AND ALTERATION**  
**(Airframe, Powerplant, Propeller, or Appliance)**

Form Approved  
OMB No. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

1. Aircraft	Make Raytheon	Model A-36
	Serial No. E-3222	Nationality and Registration Mark USA N527RS
2. Owner	Name (As shown on registration certificate) Lookout Mountain LLC	Address (As shown on registration certificate) 1700 Jones Street Apt. 1 San Francisco, CA 94109-2160

3. For FAA Use Only

4. Unit Identification

5. Type

Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	(As described in Item 1 above)			X	
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

6. Conformity Statement

A. Agency's Name and Address	B. Kind of Agency	C. Certificate No.
NICHOLAS EDWARD BISHOP DBA WEST COAST WINGS 1401B SOUTH STATE STREET UKIAH, CA 95482	<input checked="" type="checkbox"/> U.S. Certificated Mechanic	569539512
	<input type="checkbox"/> Foreign Certificated Mechanic	
	<input type="checkbox"/> Certificated Repair Station	
	<input type="checkbox"/> Manufacturer	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date 9/2/04	Signature of Authorized Individual 
----------------	--

7. Approval for Return To Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY	FAA Fit. Standards Inspector	Manufacturer	<input checked="" type="checkbox"/>	Inspection Authorization	Other (Specify)
	FAA Designee	Repair Station		Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection 9/2/04		Certificate or Designation No. 569539512	Signature of Authorized Individual NICHOLAS E. BISHOP		



# NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

## B. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

REPAIR DAMAGED RH FLAP ASSEMBLY P/N 35-165050-606 S/N E3222 USING BEECH BONANZA SERIES SHOP MANUAL AND AC 43.13-1B CHAP. 4 SEC. 4(METAL REPAIR PROCEDURES).

SUPPORT FLAP IN FIXTURE AND DISASSEMBLE I.A.W. AC 43.13-1B 4-52b.

REPLACE THE FOLLOWING PARTS WITH NEW:

SKIN P/N 35-165051-9

SPAR P/N 35-165050-69

ASSEMBLED FLAP ASSEMBLY USING RIVETING PRACTICES I.A.W. AC 43.13-1B 4-57a.b.c.d.

FLAP NOT PAINTED.

FLAP NOT INSTALLED ON AIRCRAFT.

END

THE INSTALLER IS TO FILL OUT BLOCKS 1 & 2 OF THIS FORM I.A.W. AC 43.9-1E 5a.b.

THE INSTALLER IS TO SIGN AND DATE UPON INSTALLATION.

SIGNATURE AND CERT. #

DATE OF INSTALLATION

*Stiller* *CRS#DCR4598*  
*9-27-04*

☐ Additional Sheets Are Attached





U.S. Department  
of Transportation  
Federal Aviation  
Administration

**MAJOR REPAIR AND ALTERATION**  
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved  
OMB No. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

1. Aircraft	Make Raytheon	Model A-36
	Serial No. E-3222	Nationality and Registration Mark USA N527RS
2. Owner	Name (As shown on registration certificate) Lookout Mountain LLC	Address (As shown on registration certificate) 1700 Jones Street Apt. 1 San Francisco, CA 94109-2160

3. For FAA Use Only

4. Unit Identification				5. Type	
Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	(As described in Item 1 above)			X	
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

6. Conformity Statement

A. Agency's Name and Address	B. Kind of Agency	C. Certificate No.
NICHOLAS EDWARD BISHOP DBA WEST COAST WINGS 1401B SOUTH STATE STREET UKIAH, CA 95482	<input checked="" type="checkbox"/> U.S. Certificated Mechanic	569539512
	<input type="checkbox"/> Foreign Certificated Mechanic	
	<input type="checkbox"/> Certificated Repair Station	
	<input type="checkbox"/> Manufacturer	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date 9/2/04	Signature of Authorized Individual 
----------------	--

7. Approval for Return To Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY	FAA Fit. Standards Inspector	Manufacturer	X	Inspection Authorization	Other (Specify)
	FAA Designee	Repair Station		Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection 9/2/04		Certificate or Designation No. 569539512	Signature of Authorized Individual NICHOLAS E. BISHOP		



# NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

## B. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

REPLACE DAMAGED LEADING EDGE, OUTBOARD LOWER SKIN, TIP, AND FORWARD SPAR ON RH HORIZONTAL STABILIZER P/N 33-620000-618 S/N E3222 AND REPLACE DAMAGED LEADING EDGE, OUTBOARD LOWER SKIN, AND TIP ON LH HORIZONTAL STABILIZER P/N 33-620000-617 S/N E3222 AS FOLLOWS USING PROCEDURES IN BEECH BONANZA SERIES SHOP MANUAL AND AC 43.13-1B CHAP. 4 SEC. 4(METAL REPAIR PROCEDURES).

SUPPORT STABILIZERS IN FIXTURE AND DISASSEMBLE I.A.W. AC 43.13-1B 4-52b.

REPLACE THE FOLLOWING PARTS WITH NEW:

RH LEADING EDGE SKIN P/N 33-620000-44

LH LEADING EDGE SKIN P/N 33-620000-43

RH FORWARD SPAR P/N 33-620000-51

RH LOWER OUTBOARD SKIN P/N 33-620000-27

LH LOWER OUTBOARD SKIN P/N 33-620000-28

RH & LH TIPS P/N 45-650112

REASSEMBLE STABILIZERS AND RIVET I.A.W. AC 43.13-1B 4-57a.b.c.d.f.

STABILIZERS NOT INSTALLED ON AIRCRAFT.

END

THE INSTALLER IS TO FILL OUT BLOCKS 1 & 2 OF THIS FORM I.A.W. AC 43.9-1E 5a.b.

THE INSTALLER IS TO SIGN AND DATE THIS FORM UPON INSTALLATION:

SIGNATURE & CERT.#

DATE OF INSTALLATION

BLU USAF PC 124398  
9-27-04

☐ Additional Sheets Are Attached





US Department  
of Transportation  
Federal Aviation  
Administration

**MAJOR REPAIR AND ALTERATION**  
**(Airframe, Powerplant, Propeller, or Appliance)**

Form Approved  
OMB No. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

1. Aircraft	Make <b>Raytheon</b>	Model <b>A-36</b>
	Serial No. <b>E-3222</b>	Nationality and Registration Mark <b>USA N527RS</b>
2. Owner	Name (As shown on registration certificate) <b>Lookout Mountain LLC</b>	Address (As shown on registration certificate) <b>1700 Jones Street Apt. 1 San Francisco, CA 94109-2160</b>

**3. For FAA Use Only**

**4. Unit Identification**

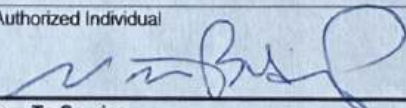
**5. Type**

Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	(As described in Item 1 above)			X	
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

**6. Conformity Statement**

A. Agency's Name and Address <b>NICHOLAS EDWARD BISHOP DBA WEST COAST WINGS 1401B SOUTH STATE STREET UKIAH, CA 95482</b>	B. Kind of Agency	C. Certificate No. <b>569539512</b>
	<input checked="" type="checkbox"/> U.S. Certificated Mechanic	
	<input type="checkbox"/> Foreign Certificated Mechanic	
	<input type="checkbox"/> Certified Repair Station	
<input type="checkbox"/> Manufacturer		


D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date <b>9/2/04</b>	Signature of Authorized Individual 
-----------------------	--

**7. Approval for Return To Service**

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY	FAA Flt. Standards Inspector	Manufacturer	X	Inspection Authorization	Other (Specify)
	FAA Designee	Repair Station		Person Approved by Transport Canada Airworthiness Group	

Date of Approval or Rejection <b>9/2/04</b>	Certificate or Designation No. <b>569539512</b>	Signature of Authorized Individual <b>NICHOLAS E. BISHOP</b> 
--	--	---



# NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

## B. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

REPLACE DAMAGED SKINS ON RH ELEVATOR P/N 33-610000-612 S/N E3222, LH ELEVATOR P/N 33-610000-611 S/N E3222, AND RH ELEVATOR TRIM TAB USING PROCEDURES IN BEECH BONANZA SERIES SHOP MANUAL AND AC 43.13-1B CHAP. 4 SEC. 4(METAL REPAIR PROCEDURES).

SUPPORT ELEVATORS AND RH TAB IN FIXTURE AND DISASSEMBLE BY DRILLING I.A.W. AC 43.13-1B 4-52b.

INSPECT INTERNAL STRUCTURES FOR CORROSION AND DEFECTS.

REPLACE THE FOLLOWING PARTS WITH NEW:

LH SKIN P/N 33-610000-75

RH SKIN P/N 33-610000-76

LH TIP RIB P/N 45-660011-2

RH TRIM TAB SKIN P/N 33-660010-8

RERIVET ASSEMBLY I.A.W. AC 43.13-1B 4-57a.b.c.d.

ELEVATORS NOT PAINTED.

TRIM TABS NOT INSTALLED.

HINGE BRACKETS INSTALLED USING NEW HARDWARE.

COUNTER WEIGHT AND COVER INSTALLED USING NEW HARDWARE.

FINAL BALANCES NOT CHECKED.

ELEVATORS NOT INSTALLED ON AIRCRAFT.

END

THE INSTALLER IS TO FILL OUT BLOCKS 1 & 2 OF THIS FORM I.A.W. AC 43.9-1E 5a.b.

THE INSTALLER IS TO SIGN AND DATE THIS FORM UPON INSTALLATION:

SIGNATURE & CERT. #

DATE OF INSTALLATION

*[Signature]*  
9-27-04

☐ Additional Sheets Are Attached





U.S. Department  
of Transportation  
Federal Aviation  
Administration

**MAJOR REPAIR AND ALTERATION**  
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved  
OMB No. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43, Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

1. Aircraft	Make Raytheon	Model A-36
	Serial No. E-3222	Nationality and Registration Mark USA N527RS
2. Owner	Name (As shown on registration certificate) Lookout Mountain LLC	Address (As shown on registration certificate) 1700 Jones Street Apt. 1 San Francisco, CA 94109-2160

3. For FAA Use Only

4. Unit Identification

5. Type

Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	(As described in Item 1 above)			X	
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

6. Conformity Statement

A. Agency's Name and Address	B. Kind of Agency	C. Certificate No.
NICHOLAS EDWARD BISHOP DBA WEST COAST WINGS 1401B SOUTH STATE STREET UKIAH, CA 95482	<input checked="" type="checkbox"/> U.S. Certificated Mechanic	569539512
	<input type="checkbox"/> Foreign Certificated Mechanic	
	<input type="checkbox"/> Certificated Repair Station	
	<input type="checkbox"/> Manufacturer	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date 9/2/04	Signature of Authorized Individual 
----------------	--

7. Approval for Return To Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY	FAA Fit. Standards Inspector	Manufacturer	<input checked="" type="checkbox"/>	Inspection Authorization	Other (Specify)
	FAA Designee	Repair Station		Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection 9/2/04		Certificate or Designation No. 569539512	Signature of Authorized Individual NICHOLAS E. BISHOP		



# NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

## 8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

RELACE DAMAGED SKIN AND FORWARD SPAR ON RH AILERON P/N 33-130000-44 S/N E3222 AND DAMAGED SKIN ON LH AILERON P/N 36-130011-601 USING PROCEDURES IN BEECH BONANZA SERIES SHOP MANUAL AND AC 43.13-1B CHAP. 4 SEC. 4(METAL REPAIR PROCEDURES).

SUPPORT AILERONS IN FIXTURE AND DISASSEMBLE I.A.W. AC 43.13-1B 4-52b.

REPLACE THE FOLLOWING PARTS WITH NEW:

RH SKIN P/N 33-130000-49U

RH SPAR P/N 33-130000-1

LH SKIN P/N 45-135031-141

RERIVET AILERONS I.A.W. AC 43.13-1B 4-57a.b.c.d.

AILERONS NOT PAINTED.

AILERONS NOT INSTALLED ON AIRCRAFT.

END

THE INSTALLER IS TO FILL OUT BLOCKS 1 & 2 OF THIS FORM I.A.W. AC 43.9-1E 5a.b.

THE INSTALLER IS TO SIGN AND DATE THIS FORM UPON INSTALLATION:

SIGNATURE AND CERT #

DATE OF INSTALLATION

*[Signature]* *[Stamp]*  
9-27-04

☐ Additional Sheets Are Attached





**MAJOR REPAIR AND ALTERATION**  
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved  
OMB No. 2120-0020  
For FAA Use Only  
Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

1. Aircraft	Make <b>Boeing Aircraft Company</b>	Model <b>A-36</b>
	Serial No. <b>E-3222</b>	Nationality and Registration Mark <b>N527RS</b>
2. Owner	Name (As shown on registration certificate) <b>Lookout Mountain LLC</b>	Address (As shown on registration certificate) <b>1700 Jones St Apt 1 San Francisco CA 94109-2160</b>

3. For FAA Use Only

4. Unit Identification

5. Type

Unit	Make	Model	Serial No	Repair	Alteration
AIRFRAME	~~~~~ (As described in Item 1 above) ~~~~~				
POWERPLANT	<b>Teledyne Continental Motors</b>	<b>IO-550-B</b>	<b>684009</b>		<input checked="" type="checkbox"/>
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

6. Conformity Statement

A. Agency's Name and Address <b>MATHER AVIATION, LLC HAYWARD, CA FAA CRS Z4MR560Y</b>	B. Kind of Agency <input type="checkbox"/> U.S. Certificated Mechanic <input type="checkbox"/> Foreign Certificated Mechanic <input checked="" type="checkbox"/> Certificated Repair Station <input type="checkbox"/> Manufacturer	C. Certificate No. <b>CRS Z4MR560Y</b>
--	--	---

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date <b>5-29-03</b>	Signature of Authorized Individual 
------------------------	--

7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☐ APPROVED ☐ REJECTED.

BY	FAA FII Standards Inspector	Manufacturer	Inspection Authorization	Other (Specify)
	FAA Designee	<input checked="" type="checkbox"/> Repair Station	Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection <b>5-29-03</b>		Certificate or Designation No. <b>Z4MR560Y</b>	Signature of Authorized Individual 	



# NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

## B. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

Removed six (6) TCM fuel nozzles P/N 627335D13-AA and installed General Aviation Modifications, Inc. GAMIjectors Kit No. 6A03AA S/N 11367 STC No. SE09217SC PMA No. PQ821SW per GAMIjector Installation Procedure No. IP-96-001 (Rev 004) dated September 25, 1996. No change in weight and balance.   
////////////////////// END //////////////////////////////////////

☐ Additional Sheets Are Attached





US Department  
of Transportation  
Federal Aviation  
Administration

**MAJOR REPAIR AND ALTERATION**  
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved  
OMB No. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

1. Aircraft	Make <b>BEECHCRAFT</b>	Model <b>A-36</b>
	Serial No. <b>E-3882</b>	Nationality and Registration Mark <b>N587RS</b>
2. Owner	Name (As shown on registration certificate) <b>LOOKOUT MOUNTAIN LLC</b>	Address (As shown on registration certificate) <b>1700 JONES ST. APT 1 SAN FRANCISCO, CA 94109-2160</b>

**3. For FAA Use Only**

4. Unit Identification				5. Type	
Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	(As described in Item 1 above)			X	
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

**6. Conformity Statement**

A. Agency's Name and Address	B. Kind of Agency	C. Certificate No.
NICHOLAS EDWARD BISHOP DBA WEST COAST WINGS 1401B SOUTH STATE STREET UKIAH, CA 95482	<input checked="" type="checkbox"/> U.S. Certificated Mechanic	569539512
	<input type="checkbox"/> Foreign Certificated Mechanic	
	<input type="checkbox"/> Certificated Repair Station	
	<input type="checkbox"/> Manufacturer	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date  
8/7/02

Signature of Authorized Individual

**7. Approval for Return To Service**

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY	FAA Fit. Standards Inspector	Manufacturer	<input checked="" type="checkbox"/> Inspection Authorization	Other (Specify)
	FAA Designee	Repair Station	Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection 8/7/02		Certificate or Designation No. 569539512	Signature of Authorized Individual NICHOLAS E. BISHOP	



# NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

## 8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

REPLACE DAMAGED SKIN ON LH ELEVATOR P/N 33-610000-611 S/N E3222 USING PROCEDURES IN BEECH BONANZA SERIES SHOP MANUAL AND AC 43.13-1B CHAP. 4 SEC. 4(METAL REPAIR PROCEDURES).

SUPPORT ELEVATOR IN FIXTURE AND DISASSEMBLE BY DRILLING I.A.W. AC 43.13-1B 4-52b.

INSPECT INTERNAL STRUCTURE FOR CORROSION AND DEFECTS.

REPLACE THE FOLLOWING PARTS WITH NEW:

SKIN P/N 33-610000-75

TRAILING EDGE SPACER P/N 45-610005-12

FORWARD SPAR P/N 45-610005-18

RIB P/N 33-610000-79

RERIVET ASSEMBLY I.A.W. AC 43.13-1B 4-57a.b.c.d.

ELEVATOR NOT PAINTED.

TRIM TAB INSTALLED.

HINGE BRACKETS INSTALLED USING NEW HARDWARE.

COUNTER WEIGHT AND COVER INSTALLED USING NEW HARDWARE.

TORQUE FITTING NOT INSTALLED. USING

FINAL BALANCE NOT CHECKED.

ELEVATOR NOT INSTALLED ON AIRCRAFT.

END

THE INSTALLER IS TO FILL OUT BLOCKS 1 & 2 OF THIS FORM I.A.W. AC 43.9-1E 5a.b.

THE INSTALLER IS TO SIGN AND DATE THIS FORM UPON INSTALLATION:

SIGNATURE & CERT. #

DATE OF INSTALLATION

Daugh CRS 24MR5604  
8-7-02

① Primed And Painted Elevator.

55-20-00

② Balanced Elevator per BE 36mm. Found good @ 5.1 inch lbs

③ Re-installed Elevator onto Aircraft & checked Rigging per 36mm 27-30. And saltied.

Daugh

8-7-02  
CRS 24MR5604

☐ Additional Sheets Are Attached





US Department  
of Transportation  
Federal Aviation  
Administration

**MAJOR REPAIR AND ALTERATION**  
**(Airframe, Powerplant, Propeller, or Appliance)**

Form Approved  
OMB No. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

1. Aircraft	Make Raytheon Aircraft Company	Model A36
	Serial No. E-3222	Nationality and Registration Mark N 527RS
2. Owner	Name (As shown on registration certificate) Lookout Mountain LLC	Address (As shown on registration certificate) 1700 Jones Street #1 San Francisco CA 94109

3. For FAA Use Only

4. Unit Identification				5. Type	
Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	~~~~~ (As described in item 1 above) ~~~~~				X
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacture				

6. Conformity Statement

A. Agency's Name and Address	B. Kind of Agency	C. Certificate No.
Kerry L. Roberson 300 County Airport Road Vacaville CA. 95688	<input checked="" type="checkbox"/> U.S. Certified Mechanic	264902247AP
	<input type="checkbox"/> Foreign Certified Mechanic	
	<input type="checkbox"/> Certificated Repair Station	
	<input type="checkbox"/> Manufacturer	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date

22 June 2001

Signature of Authorized Individual

7. Approval for Return To Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY	FAA Flt. Standards Inspector	Manufacturer	<input checked="" type="checkbox"/> Inspection Authorization	Other (Specify)
	FAA Designee	Repair Station	Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection		Certificate or Designation No.	Signature of Authorized Individual	
22 June 2001		569453224		



## NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements

### B. Description of Work Accomplished

*(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed)*

Installed air oil separator IAW STC SA02033AT using manufactures drawing # 304, dated 27 Sept. 1999, and the installation instructions, mounted the Model M20 air oil separator to the left rear engine baffle with 2 DG32 adel clamps. Rerouted engine breather tube 90 degrees at the rear engine baffle. Attached the breather tube to the air oil separator with Mil-6000 hose and aero seal hose clamps. Welded an aluminum plug to the lower left corner of the left rear rocker cover and drilled and tapped plug to accept an AN 844 -4 hose elbow. Attached the air oil separator return oil outlet to the AN-844-4 fitting with 1/4 inch ID Mil-6000 hose.

Aircraft Wt and Bal updated to reflect changes.

For continued airworthiness check for blockage of the breather lines, if required remove and flush the air oil separator with MEK per the manufactures recommendations.

Nothing follows



Additional Sheets Are Attached





**MAJOR REPAIR AND ALTERATION**  
**(Airframe, Powerplant, Propeller, or Appliance)**

Form Approved  
OMB No. 2120-0020

For FAA Use Only  
Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each violation (Section 901 of Federal Aviation Act of 1958).

1. Aircraft	Make <b>RAYTHEON AIRCRAFT COMPANY</b>	Model <b>A36</b>
	Serial No. <b>E-3222</b>	Nationality and Registration Mark <b>N322ZB</b>
2. Owner	Name (As shown on registration certificate) <b>LOOKOUT MOUNTAIN, LLC</b>	Address (As shown on registration certificate) <b>1700 JONES STREET #1 SAN FRANCISCO, CA. 94109</b>

**3. For FAA Use Only**

4. Unit Identification				5. Type	
Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	~~~~~ (As described in Item 1 above) ~~~~~				<b>X</b>
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

**6. Conformity Statement**

A. Agency's Name and Address <b>AVTRONIC'S 815 SKYWAY SAN CARLOS, CA. 94070</b>	B. Kind of Agency	C. Certificate No.
	<input type="checkbox"/> U.S. Certificated Mechanic	<b>AY3R388LRADIO CLASS I&amp;II</b>
	<input type="checkbox"/> Foreign Certificated Mechanic	<b>LTD RADIO CLASS III</b>
	<input checked="" type="checkbox"/> Certified Repair Station	<b>LTD INST I,II,III;ACC III</b>
	<input type="checkbox"/> Manufacturer	<b>SPEC SERV ALT SYS;ALT REP</b>

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date <b>Dec 6, 2000</b>	Signature of Authorized Individual 
----------------------------	--

**7. Approval for Return To Service**

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY	FAA Flt. Standards Inspector	Manufacturer	Inspection Authorization	Other (Specify)
	FAA Designee	<input checked="" type="checkbox"/> Repair Station	Person Approved by Transport Canada Airworthiness Group	

Date of Approval or Rejection <b>Dec 6, 2000</b>	Certificate or Designation No. <b>AY3R388L</b>	Signature of Authorized Individual 
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# NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

## B. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

### RAYTHEON AIRCRAFT COMPANY A36, N322ZB, S/N E-3222

Installed Insight Instrument Corp. GEM 610 Graphic Engine Monitor.

All work done in accordance with the following:

Gem Series Installation Manual, Drawing 8258, Version 3.0, dated May 1996, and AC 43:13, 2A, Chapters 2 & 3.

This system previously approved per STC SA157NE, for a Beechcraft A36.

The unit is powered through CB labeled "EGT".

Instructions for continued airworthiness:

The GEM 610 requires no adjustment or routine maintenance. If the unit should fail to operate properly, perform the self-test described under "Test Mode". If the GEM 610 fails this test, return the unit to the OEM, or an authorized Repair Station for servicing. If the Display performs the self-test successfully, discuss the problem with the authorized Repair Station or consult the troubleshooting section of the GEM Installation Manual. Installation instructions and trouble shooting guide for the GEM 610 are supplied for reference, or Insight Product Support can also be contacted at 716-852-3217.

Electrical load checked and determined to be less than 80% continuous.

The Aircraft Weight and Balance and Equipment list have been revised.

-----END-----

☐ Additional Sheets are Attached





US Department  
of Transportation  
Federal Aviation  
Administration

**MAJOR REPAIR AND ALTERATION**  
**(Airframe, Powerplant, Propeller, or Appliance)**

Form Approved

OMB No. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each violation (Section 901 of Federal Aviation Act of 1958).

1. Aircraft	Make <b>RAYTHEON AIRCRAFT COMPANY</b>	Model <b>A36</b>
	Serial No. <b>E-3222</b>	Nationality and Registration Mark <b>N322ZB</b>
2. Owner	Name (As shown on registration certificate) <b>LOOKOUT MOUNTAIN, LLC</b>	Address (As shown on registration certificate) <b>1700 JONES STREET #1 SAN FRANCISCO, CA. 94109</b>

**3. For FAA Use Only**

The data identified herein complies with the applicable Airworthiness Requirements and is approved only for the above described aircraft, subject to conformity inspection by a person authorized in FAR 43.7.

12-07-2000

Date

Robert J. Cornath  
Robert J. Cornath, FAA Inspector

4. Unit Identification

5. Type

Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	~~~~~ (As described in Item 1 above) ~~~~~				X
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

**6. Conformity Statement**

A. Agency's Name and Address <b>AVTRONIC'S 815 SKYWAY SAN CARLOS, CA. 94070</b>	B. Kind of Agency	C. Certificate No.
	<input type="checkbox"/> U.S. Certificated Mechanic	<b>AY3R388LRADIO CLASS I&amp;II</b>
	<input type="checkbox"/> Foreign Certificated Mechanic	<b>LTD RADIO CLASS III</b>
	<input checked="" type="checkbox"/> Certified Repair Station	<b>LTD INST I,II,III;ACC III</b>
	<input type="checkbox"/> Manufacturer	<b>SPEC SERV ALT SYS;ALT REP</b>

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date

Dec 6, 2000

Signature of Authorized Individual

J.C. Cornath

**7. Approval for Return To Service**

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY	FAA Fit. Standards Inspector	Manufacturer	Inspection Authorization	Other (Specify)
	FAA Designee	X Repair Station	Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection <u>Dec 7, 2000</u>		Certificate or Designation No. <b>AY3R388L</b>	Signature of Authorized Individual <u>J.C. Cornath</u>	



# NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

## 8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

RAYTHEON AIRCRAFT COMPANY A36, N322ZB, S/N E-3222

Installed Shadin Air Data Computer System (ADC 200).

All work done in accordance with Shadin Installation Manual P/N IM 0820, Revision G, Dated January 12, 2000, and AC 43:13 2A, Chapters 2 and 3.

Fuel flow information provided by Beechcraft factory installed Fuel Flow Transducer.

Power supplied through CB labeled "F/ADC".

The ADC unit is interfaced with previously installed King KLN 90B GPS System. Fuel and air data information provided on the KLN 90B "OTHER" pages. Refer to the supplied KLN 90B operator manuals for additional information.

Pitot Static system leak checked following installation I/AW FAR 91.411.  
Instructions for continued airworthiness.

The ADC 200 requires no adjustment or routine maintenance. If the unit should fail to operate properly return the unit to the OEM, or an authorized Repair Station for servicing. Installation instructions for the Shadin ADC 200 are supplied for reference.

Electrical load checked and determined to be less than 80% continuous.

The Aircraft Weight and Balance and Equipment list have been revised.

-----END-----

☐ Additional Sheets are Attached





US Department  
of Transportation  
Federal Aviation  
Administration

**MAJOR REPAIR AND ALTERATION**  
**(Airframe, Powerplant, Propeller, or Appliance)**

Form Approved  
OMB No. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

1. Aircraft	Make <b>Beechcraft</b>	Model <b>Beech Bonanza A36</b>
	Serial No. <b>E3222</b>	Nationality and Registration Mark <b>N3222B</b>
2. Owner	Name (As shown on registration certificate) <b>Renner Jerry</b>	Address (As shown on registration certificate) <b>1800 Renner Rd Saint Germain, WI. 545589228</b>

3. For FAA Use Only

4. Unit Identification				5. Type	
Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	~~~~~(As described in Item 1 above) ~~~~~				<b>XXX</b>
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

6. Conformity Statement

A. Agency's Name and Address <b>DBM 3127 Creve Couer Rd. Hangar E-7 Creve Couer, MO. 63146</b>	B. Kind of Agency <input type="checkbox"/> U.S. Certified Mechanic <input type="checkbox"/> Foreign Certified Mechanic <input checked="" type="checkbox"/> Certified Repair Station <input type="checkbox"/> Manufacturer	C. Certificate No. <b>SH2R161L</b>
---	---	---------------------------------------

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date <b>12/04/2000</b>	Signature of Authorized Individual  <b>James Klug</b>
---------------------------	---

7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

FAA Fit. Standards Inspector	Manufacturer	Inspection Authorization	Other (Specify)
FAA Designee	<input checked="" type="checkbox"/> Repair Station	Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection <b>12/04/2000</b>	Certificate or Designation No. <b>SH2R161L</b>	Signature of Authorized Individual  <b>James Klug</b>	



## NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

### 8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

Performed the following modifications and or replacements as per the STC numbers listed below.

Thermal Pane windows as per STC SA3759NM

See log book entry and new empty weight for this date.

☐ Additional Sheets Are Attached





U.S. Department of  
Transportation  
Federal Aviation  
Administration

**MAJOR REPAIR AND ALTERATION**  
**(Airframe, Powerplant, Propeller, or Appliance)**

Form Approved  
OMB No. 2120-0020

For FAA Use Only  
Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act 1958)

1. Aircraft	Make RAYTHEON AIRCRAFT COMPANY	Model A36
	Serial No. E-3222	Nationality and Registration Mark N3222B
2. Owner	Name (As shown on registration certificate) RENNER, JERRY	Address (As shown on registration certificate) 1800 RENNER RD SAINT GERMAIN WI 54556-9228

**3. For FAA Use Only**

**4. Unit Identification**

**5. Type**

Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	----- (As described in item 1 above) -----				X
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

**6. Conformity Statement**

A. Agency's Name and Address RAYTHEON AIRCRAFT SERVICES 46 AIRPORT DRIVE ROCKFORD, IL 61109-2902	B. Kind of Agency <input type="checkbox"/> U.S. Certificated Mechanic <input type="checkbox"/> Foreign Certificated Mechanic <input checked="" type="checkbox"/> Certificated Repair Station <input type="checkbox"/> Manufacturer	C. Certificate No.  CGOR815C
---	--	------------------------------------

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date 09-28-00	Signature of Authorized Individual NATHAN WHITE <i>Nathan White</i>
------------------	--

**7. Approval for Return to Service**

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY	FAA Fit Standards Inspector	Manufacturer	Inspection Authorization	Other (Specify)
	FAA Designee	X Repair Station	Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection 09-28-00		Certificate or Designation No. CGOR815C	Signature of Authorized Individual NATHAN WHITE <i>Nathan White</i>	



### NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

#### B. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

REFERENCE FORM 337 DATED 09-20-99. REMOVED STC SA3598NM ROSEN PRODUCT DEVELOPMENT INC SUN VISOR  
INSTALLATION AND INSTALLED ORIGINAL EQUIPMENT VISORS P/N 106-53032-3C \_\_\_\_\_ END \_\_\_\_\_

☐ Additional Sheets Are Attached





U.S. Department  
of Transportation  
Federal Aviation  
Administration

**MAJOR REPAIR AND ALTERATION**  
**(Airframe, Powerplant, Propeller, or Appliance)**

Form Approved  
OMB No. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

1. Aircraft	Make Raytheon Aircraft Corporation	Model A36
	Serial No. E-3222	Nationality and Registration Mark N3222B
2. Owner	Name (As shown on registration certificate) RENNER JERRY	Address (As shown on registration certificate) 1800 RENNER RD SAINT GERMAIN WI 54558-9228

**3. For FAA Use Only**

4. Unit Identification				5. Type	
Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	*****	(As described in Item 1 above) *****			X
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

**6. Conformity Statement**

A. Agency's Name and Address Raytheon Aircraft Services 46 Airport Drive Rockford, IL 61109-2902	B. Kind of Agency	C. Certificate No. CGOR815C
	U.S. Certificated Mechanic	
	Foreign Certificated Mechanic	
	✓ Certificated Repair Station	
	Manufacturer	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date 09-20-99	Signature of Authorized Individual Paul W. Butler
------------------	--

**7. Approval for Return to Service**

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is						<input checked="" type="checkbox"/> APPROVED	<input type="checkbox"/> REJECTED
BY	FAA Flt. Standards Inspector		Manufacturer		Inspection Authorization	Other (Specify)	
	FAA Designee	✓	Repair Station		Person Approved by Transport Canada Airworthiness Group		
Date of Approval or Rejection 09-20-99		Certificate or Designation No. CGOR815C		Signature of Authorized Individual Paul W. Butler			



## NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

### B. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

Avidyne Corporation FlightMax Flight Situation Display 5RR-MFC-Series and CD / Data Loader were installed in accordance with Avidyne Release 4 Installation Manual P/N: 600-0031 Revision 02, and applicable chapters of AC 43.13-1B/2A. Initial FAA Approval was accomplished per STC No. SA00072BO issued to Avidyne Corporation July 27, 1997 and amended April 15, 1999 for Mooney Model M20C,D,E,F,G,J,K,M,R.

#### Units Installed:

1ea 5RR-MFC-Series FSD	P/N D98-00001-45	S/N 0385	TSO C113,C110a,C63c,C118,C147
1ea 5RR CD-ROM	P/N D98-00003-01	S/N C 1363	TSO C113

The FlightMax is a panel-mounted information processing and display system containing the following options; Traffic, Charts, Navigator, and CD Player. The Avidyne Traffic provides interface, control, and display of the existing Ryan TCAD 9900B System via the RS232 Bus. The Avidyne Traffic supplements the original TCAD Display by allowing access to all of the TCAD 9900B functions. The original TCAD System remains intact. The Avidyne Charts is a moving map system that presents VFR and IFR enroute charts. Avidyne Charts updates are provided on a separated CD-ROM and should be kept current. NOTE; Navigation is not to be predicated on the use of Avidyne Charts - Avidyne Charts is an electronic aid to situational awareness designed to facilitate the use of approved navigational charts, not to replace them. Avidyne Navigator is a navigation management and display program utilizing its own database and obtaining position data from the existing KLN 90B GPS via the RS232 Data Bus. The database updates are provided on a separate CD-ROM and should be kept current. The Avidyne CD Player (CD-ROM Drive) is a panel mounted CD-ROM Drive to load new charts and to load Navigator database updates available from Avidyne.

NOTE: The Avidyne FSD is an electronic aid to navigation to provide positional awareness and is not approved for navigation. The following placard was placed on the radio panel "AVIDYNE FSD NOT APPROVED FOR NAVIGATION".

The Avidyne FSD receives power from the avionics buss through a 7.5 amp CB labeled "FSD".

The Avidyne FlightMax FSD User's Manual P/N 600-0032 Rev. 01 was placed in the aircraft.

Checked electrical load and found to be within system rated output.

Revised Weight & Balance and Equipment List Sept. 20, 1999. New A/C Basic Empty Weight [Computed]; 2661.5 Arm; 79.13 Moment; 210616.2.

#### MANUFACTURERS INSTRUCTIONS FOR CONTINUED AIRWORTHINESS PER APPENDIX J OF FLITEMAX INSTALLATION MANUAL

Maintenance of the 5RR-MFC-XXX Avidyne FlightMax Flight Situation Display (FSD) system is based on condition only. Periodic maintenance is not required.

-----END-----

✓ Additional Sheets Are Attached



<b>MAJOR REPAIR AND ALTERATION</b> <b>(Airframe, Powerplant, Propeller, or Appliance)</b>		Form Approved OMB No. 2120-0550			
U.S. Department of Transportation Federal Aviation Administration		For FAA Use Only Office Identification			
INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act 1958).					
1. Aircraft	Make <b>RAYTHEON AIRCRAFT COMPANY.</b>	Model <b>A36</b>			
	Serial No. <b>E-3222</b>	Nationality and Registration Mark <b>N3222B</b>			
2. Owner	Name (As shown on registration certificate) <b>RENNER JERRY</b>	Address (As shown on registration certificate) <b>1800 RENNER RD SAINT GERMAIN WI 54558-9228</b>			
3. For FAA Use Only					
4. Unit Identification					
Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	----- (As described in item 1 above) -----			<input type="checkbox"/>	<input checked="" type="checkbox"/>
POWERPLANT				<input type="checkbox"/>	<input type="checkbox"/>
PROPELLER				<input type="checkbox"/>	<input type="checkbox"/>
APPLIANCE	Type			<input type="checkbox"/>	<input type="checkbox"/>
	Manufacturer			<input type="checkbox"/>	<input type="checkbox"/>
5. Type					
6. Conformity Statement					
A. Agency's Name and Address			B. Kind of Agency		C. Certificate No.
<b>RAYTHEON AIRCRAFT SERVICES</b> <b>46 AIRPORT DRIVE</b> <b>ROCKFORD, IL 61102-2902</b>			<input type="checkbox"/> U.S. Certified Mechanic		<b>CGOR815C</b>
			<input type="checkbox"/> Foreign Certified Mechanic		
			<input checked="" type="checkbox"/> Certified Repair Station		
			<input type="checkbox"/> Manufacturer		
D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.					
Date <b>09-20-99</b>			Signature of Authorized Individual 		
7. Approval for Return to Service					
Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is <input checked="" type="checkbox"/> APPROVED <input type="checkbox"/> REJECTED					
BY	<input type="checkbox"/> FAA Fit Standards Inspector	<input type="checkbox"/> Manufacturer	<input type="checkbox"/> Inspection Authorization		Other (Specify)
	<input type="checkbox"/> FAA Designee	<input checked="" type="checkbox"/> Repair Station	<input type="checkbox"/> Person Approved by Transport Canada Airworthiness Group		
Date of Approval or Rejection <b>09-20-99</b>		Certificate or Designation No. <b>CGOR815C</b>		Signature of Authorized Individual 	



### NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

#### B. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

COMPLIED WITH STC SA-1629 BY THE INSTALLATION OF WING TIP FUEL TANKS IN ACCORDANCE WITH J.L. OSBORNE INSTALLATION INSTRUCTIONS AS LISTED ON AML NO. SA-1629, OR LATER FAA APPROVED REVISION. ATTACHED FAA APPROVED AIRPLANE FLIGHT MANUAL SUPPLEMENT P/N 96044 TO THE POH. INSTALLED IN THE AIRFRAME LOG BINDER SUPPLEMENT SECTION A COPY OF PN 1192 WING TIP INSTALLATION INSTRUCTIONS AND P/N 668-7-8 CONTINUED AIRWORTHINESS MANUAL REVISED WEIGHT AND BALANCE. END

☐ Additional Sheets Are Attached





U.S. Department  
of Transportation  
Federal Aviation  
Administration

**MAJOR REPAIR AND ALTERATION**  
(Airframe, Powerplant, Propeller, or Appliance) **SEP 24 1999**

Form Approved  
OMB No. 2120-0020

For FAA Use Only

Office Identification  
**DPA-FSDO**

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

1. Aircraft	Make <b>Raytheon Aircraft Corporation</b>	Model <b>A38</b>
	Serial No. <b>E-3222</b>	Nationality and Registration Mark <b>N3222B</b>
2. Owner	Name (As shown on registration certificate) <b>RENNER JERRY</b>	Address (As shown on registration certificate) <b>1800 RENNER RD SAINT GERMAIN WI 54558-9228</b>

**3. For FAA Use Only**

4. Unit Identification				5. Type	
Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	*****	(As described in Item 1 above) *****			X
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

**6. Conformity Statement**

A. Agency's Name and Address <b>Raytheon Aircraft Services 46 Airport Drive Rockford, IL 61109-2902</b>	B. Kind of Agency	C. Certificate No. <b>CGOR815C</b>
	<input type="checkbox"/> U.S. Certified Mechanic	
	<input type="checkbox"/> Foreign Certified Mechanic	
	<input checked="" type="checkbox"/> Certified Repair Station	
	<input type="checkbox"/> Manufacturer	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date <b>09-20-99</b>	Signature of Authorized Individual <b>Paul W. Butler</b> <i>Paul W. Butler</i>
-------------------------	--

**7. Approval for Return to Service**

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is <input checked="" type="checkbox"/> APPROVED <input type="checkbox"/> REJECTED					
BY	FAA FIT Standards Inspector	Manufacturer	Inspection Authorization	Other (Specify)	
	FAA Designee	Repair Station	Person Approved by Transport Canada Airworthiness Group		
Date of Approval or Rejection <b>09-20-99</b>		Certificate or Designation No. <b>CGOR815C</b>	Signature of Authorized Individual <b>Paul W. Butler</b> <i>Paul W. Butler</i>		



## NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

### 8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

Avidyne Corporation FlightMax Flight Situation Display 5RR-MFC-Series and CD / Data Loader were installed in accordance with Avidyne Release 4 Installation Manual P/N: 600-0031 Revision 02, and applicable chapters of AC 43.13-1B/2A. Initial FAA Approval was accomplished per STC No. SA00072BO issued to Avidyne Corporation July 27, 1997 and amended April 15, 1999 for Mooney Model M20C,D,E,F,G,J,K,M,R.

#### Units Installed:

1ea 5RR-MFC-Series FSD	P/N D98-00001-45	S/N 0385	TSO C113,C110a,C63c,C118,C147
1ea 5RR CD-ROM	P/N D98-00003-01	S/N C 1363	TSO C113

The FlightMax is a panel-mounted information processing and display system containing the following options; Traffic, Charts, Navigator, and CD Player. The Avidyne Traffic provides interface, control, and display of the existing Ryan TCAD 9900B System via the RS232 Bus. The Avidyne Traffic supplements the original TCAD Display by allowing access to all of the TCAD 9900B functions. The original TCAD System remains intact. The Avidyne Charts is a moving map system that presents VFR and IFR enroute charts. Avidyne Charts updates are provided on a separated CD-ROM and should be kept current. NOTE; Navigation is not to be predicated on the use of Avidyne Charts - Avidyne Charts is an electronic aid to situational awareness designed to facilitate the use of approved navigational charts, not to replace them. Avidyne Navigator is a navigation management and display program utilizing its own database and obtaining position data from the existing KLN 90B GPS via the RS232 Data Bus. The database updates are provided on a separate CD-ROM and should be kept current. The Avidyne CD Player (CD-ROM Drive) is a panel mounted CD-ROM Drive to load new charts and to load Navigator database updates available from Avidyne.

NOTE: The Avidyne FSD is an electronic aid to navigation to provide positional awareness and is not approved for navigation. The following placard was placed on the radio panel "AVIDYNE FSD NOT APPROVED FOR NAVIGATION".

The Avidyne FSD receives power from the avionics buss through a 7.5 amp CB labeled "FSD".

The Avidyne FlightMax FSD User's Manual P/N 600-0032 Rev. 01 was placed in the aircraft.

Checked electrical load and found to be within system rated output.

Revised Weight & Balance and Equipment List Sept. 20, 1999. New A/C Basic Empty Weight [Computed]; 2661.5  
Arm; 79.13 Moment; 210616.2.

#### MANUFACTURERS INSTRUCTIONS FOR CONTINUED AIRWORTHINESS PER APPENDIX J OF FLITEMAX INSTALLATION MANUAL

Maintenance of the 5RR-MFC-XXX Avidyne FlightMax Flight Situation Display (FSD) system is based on condition only. Periodic maintenance is not required.

END

✓ Additional Sheets Are Attached





U.S. Department of  
Transportation  
Federal Aviation  
Administration

# MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)

Form Approved  
OMB No. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act 1958)

1. Aircraft	Make RAYTHEON AIRCRAFT COMPANY.	Model A36
	Serial No. E-3222	Nationality and Registration Mark N3222B
2. Owner	Name (As shown on registration certificate) RENNER JERRY	Address (As shown on registration certificate) 1800 RENNER RD SAINT GERMAIN WI 54558-9228

## 3. For FAA Use Only

4. Unit Identification				5. Type	
Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	(As described in item 1 above)			<input type="checkbox"/>	<input checked="" type="checkbox"/>
POWERPLANT				<input type="checkbox"/>	<input type="checkbox"/>
PROPELLER				<input type="checkbox"/>	<input type="checkbox"/>
APPLIANCE	Type			<input type="checkbox"/>	<input type="checkbox"/>
	Manufacturer			<input type="checkbox"/>	<input type="checkbox"/>

## 6. Conformity Statement

A. Agency's Name and Address RAYTHEON AIRCRAFT SERVICES 46 AIRPORT DRIVE ROCKFORD, IL. 61102-2902	B. Kind of Agency <input type="checkbox"/> U.S. Certified Mechanic <input type="checkbox"/> Foreign Certified Mechanic <input checked="" type="checkbox"/> Certified Repair Station <input type="checkbox"/> Manufacturer	C. Certificate No. CGOR815C
--	---	--------------------------------

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date 09-20-99	Signature of Authorized Individual <i>Thomas A. Stille</i>
------------------	---

## 7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY	<input type="checkbox"/> FAA Fit Standards Inspector	<input type="checkbox"/> Manufacturer	<input type="checkbox"/> Inspection Authorization	Other (Specify)
	<input type="checkbox"/> FAA Designee	<input checked="" type="checkbox"/> Repair Station	<input type="checkbox"/> Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection 09-20-99		Certificate or Designation No. CGOR815C	Signature of Authorized Individual <i>Thomas A. Stille</i>	



### NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

#### B. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

COMPLIED WITH STC SA3598NM COCKPIT SUN VISOR INSTALLATION IN ACCORDANCE WITH FAA - APPROVED ROSEN DRAWING LIST NUMBER RBB-ODL, DATED AUGUST 25, 1986, OR LATER FAA- APPROVED REVISIONS. INSTALLED IN AIRFRAME LOG BINDER SUPPLEMENT SECTION A COPY OF DRAWING # RBB-400 REV. A, AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS FOR ROSEN SUNVISORS. \_\_\_\_\_END\_\_\_\_\_

☐ Additional Sheets Are Attached





US Department  
of Transportation  
Federal Aviation  
Administration

# MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)

Form Approved  
OMB No. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

1. Aircraft	Make	RAYTHEON AIRCRAFT COMPANY	Model	A36
	Serial No.	E-3222	Nationality and Registration Mark	N3222B
2. Owner	Name (As shown on registration certificate)	RAYTHEON AIRCRAFT COMPANY	Address (As shown on registration certificate)	
			P.O. BOX 85 WICHITA, KS. 67201	

## 3. For FAA Use Only

## 4. Unit Identification

## 5. Type

Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	----- (As described in Item 1 above) -----				X
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

## 6. Conformity Statement

A. Agency's Name and Address	B. Kind of Agency	C. Certificate No.
RAYTHEON AIRCRAFT SERVICES, INC. 2450 N. WESTSHORE BLVD. TAMPA, FL. 33607	<input type="checkbox"/> U.S. Certified Mechanic	VG4R595M AIRFRAME
	<input type="checkbox"/> Foreign Certified Mechanic	
	<input checked="" type="checkbox"/> Certificated Repair Station	
	<input type="checkbox"/> Manufacturer	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date	Signature of Authorized Individual
5-10-99	THOMAS P. BRINDLE

## 7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY	FAA Fit. Standards Inspector	Manufacturer	Inspection Authorization	Other (Specify)
	FAA Designee	X Repair Station	Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection		Certificate or Designation No.	Signature of Authorized Individual	
5-10-99		VG4R595M AIRFRAME	THOMAS P. BRINDLE	



## NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

### B. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work accomplished.)

INSTALLATION OF TANIS AIRCRAFT SERVICES, INC. TAS-100 PREHEATER SYSTEM IN ACCORDANCE WITH FAA APPROVED INSTRUCTIONS #104 DATED DEC. 29, 1996 AND TAS DRAWING NO. 1008 DATED 3-17-87. WEIGHT AND BALANCE CALCULATIONS HAVE BEEN PERFORMED AND RECORDED. EQUIPMENT LIST UPDATED. LOG BOOK ENTRY COMPLIED WITH. INSTRUCTIONS FOR CONTINUED AIRWORTHINESS; AT EVERY 100 HOUR/ANNUAL INSPECTION, CHECK FOR DETERIORATION OF WIRING, SECURITY OF ATTACHMENT AND PERFORM FUNCTIONAL CHECK.

END

☐ Additional Sheets Are Attached





U.S. Department  
of Transportation  
Federal Aviation  
Administration

# MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)

Form Approved  
OMB No. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

1. Aircraft	Make	RAYTHEON AIRCRAFT COMPANY	Model	A36
	Serial No.	E-3222	Nationality and Registration Mark	N3222B
2. Owner	Name (As shown on registration certificate)	RAYTHEON AIRCRAFT COMPANY	Address (As shown on registration certificate)	
			P.O. BOX 85 WICHITA, KS. 67201	

## 3. For FAA Use Only

The data/entry identified herein complies with the applicable airworthiness requirements and is approved only for the above described aircraft, subject to conformity inspection by a person authorized in FAR 43, section 43.7.

MAY 10 1999

Date

Signature of FAA Inspector

## 4. Unit Identification

## 5. Type

Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	(As described in Item 1 above)				X
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

## 6. Conformity Statement

A. Agency's Name and Address	B. Kind of Agency	C. Certificate No.
RAYTHEON AIRCRAFT SERVICES, INC. 2450 N. WESTSHORE BLVD. TAMPA, FL 33607	U.S. Certified Mechanic	VG4R595M RADIO 1,2,3
	Foreign Certified Mechanic	
	X Certified Repair Station	
	Manufacturer	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date	Signature of Authorized Individual
5-10-99	Stephen W Taylor

## 7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is

☒ APPROVED ☐ REJECTED

BY	FAA Fit. Standards Inspector	Manufacturer	Inspection Authorization	Other (Specify)
	FAA Designee	X Repair Station	Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection		Certificate or Designation No.	Signature of Authorized Individual	
5-10-99		VG4R595M RADIO 1,2,3	Stephen W Taylor	



## NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

### B. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work accomplished.)

THIS INSTALLATION IS BASED ON THE FOLLOWING.

#### REFERENCE DATA:

B.F. GOODRICH AEROSPACE STORMSCOPE SERIES II SYSTEM, WX-950 INSTALLATION MANUAL P/N 009-10950-001 (REV. 00) DATED 8-21-97. CHANGE 3.

#### EQUIPMENT INSTALLED:

B.F. GOODRICH AEROSPACE STORMSCOPE SERIES II WX-950 DISPLAY/PROCESSOR P/N 805-10950-001 TSO-C110a MOUNTED IN EXISTING PILOTS INSTRUMENT PANEL, LOWER RIGHT CORNER, AT F.S. 60.0

B.F. GOODRICH AEROSPACE STORMSCOPE SERIES II NY-173 ANTENNA P/N 805-10930-001 TSO-C110a MOUNTED TO BOTTOM OF AIRCRAFT BETWEEN F.S. 207.0 AND F.S. 233.5.

KLIXON CIRCUIT BREAKER P/N 7277-2-3 INSTALLED ON 28VDC AVIONICS BUSS RIGHT CIRCUIT BREAKER PANEL AT F.S. 57.0.

INSTALLED B.F. GOODRICH AEROSPACE STORMSCOPE SERIES II, WX-950 WEATHER MAPPING SYSTEM IN ACCORDANCE WITH ABOVE REFERENCED DATA. THE SYSTEM IS POWERED BY A 3 AMP CIRCUIT BREAKER MOUNTED ON THE 28VDC AVIONICS BUSS PANEL AND IS ACCESSIBLE TO THE PILOT IN FLIGHT. THE CIRCUIT BREAKER IS PLACARDED "STORMSCOPE."

THE WX-950 DISPLAY/PROCESSOR IS INTERFACED WITH THE EXISTING, FACTORY INSTALLED, KI-525A HSI FOR HEADING REFERENCE INFORMATION SUPPLIED FROM THE STEPPER MOTOR LINES.

ELECTRICAL LOAD ANALYSIS VERIFIES THAT TOTAL ELECTRICAL LOAD REQUIREMENTS ARE WITHIN CAPABILITIES OF THE AIRCRAFT ELECTRICAL GENERATING SYSTEM.

GROUND TESTING OF SYSTEM REFLECTS ALL SYSTEMS ON AIRCRAFT OPERATE NORMALLY ALONG WITH INSTALLATION IN ACCORDANCE WITH CHAPTER 3, SECTION 3.3 POST INSTALLATION CHECKOUT OF THE INSTALLATION MANUAL P/N 009-10950-001 DATED 8-21-97 (REV. 00) CHANGE 3.

THE STRUCTURAL MOUNTING OF THE WX-950 WEATHER MAPPING SYSTEM IS SUFFICIENT TO ENSURE THE RESTRAINT OF THE EQUIPMENT WHEN SUBJECTED TO EMERGENCY LANDING LOADS APPROPRIATE TO THIS AIRCRAFT, AND VERIFIED ACCORDING TO AC 43.13-2A, CHAP. 1 PARA. 1, 2 & 3.

#### INSTRUCTIONS FOR CONTINUED AIRWORTHINESS:

INSPECT SYSTEM'S WIRING, INSTALLATION OF DISPLAY/PROCESSOR AND ANTENNA IN ACCORDANCE WITH THE ABOVE REFERENCED DATA AND APPENDIX D OF FAR PART 43. ADDITIONALLY AN "AUTHORIZED" B.F. GOODRICH STORMSCOPE SERIES II DEALER MUST PERFORM THE PERIODIC MAINTENANCE IN ACCORDANCE WITH CHAPTER 4 MAINTENANCE, SECTIONS 4.2, 4.2.1, 4.2.2 OF THE WX-950 INSTALLATION MANUAL P/N 009-10950-001 DATED 8-21-97 (REV. 00) CHANGE 3. THE ABOVE TEST AND INSPECTIONS ARE TO BE PERFORMED EVERY 12 MONTHS OR 100 HOURS OF OPERATION.

WEIGHT, BALANCE AND EQUIPMENT LIST REVISED.

THE ABOVE WORK WAS DONE IN ACCORDANCE WITH AC43.13-1B; CHAP. 7, PARA 7-1, 2, 14, 15, 16, 63, 64, 85, 86, 87; CHAP. 10, PARA 10-14, 16, 19, 20; CHAP. 11, PARA 11-30, 31, 32, 37, 76, 85, 89, 96, 100, 103, 104, 107, 146, 155, 157, 158, 185, 186, 187, 205, 206, 207, 208, 210, 230, 232; CHAP. 12, PARA 12-8, 9, 10, 37; AC43.13-2A CHAP. 1, PARA 1, 2, 3, 4, 5, 6, 7; CHAP. 2, PARA 21, 22, 23, 24, 25, 27; CHAP. 3 AS APPLICABLE.

COMPLIED WITH LOG ENTRY.

END





U.S. Department  
of Transportation  
Federal Aviation  
Administration

# MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)

Form Approved  
OMB No. 2120-0020  
For FAA Use Only  
Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

1. Aircraft	Make	RAYTHEON AIRCRAFT CO.	Model	A-36
	Serial No.	E-3222	Nationality and Registration Mark	N3222B
2. Owner	Name (As shown on registration certificate)	RAYTHEON AIRCRAFT COMPANY	Address (As shown on registration certificate) P.O. BOX 85 WICHITA, KS. 67201	

## 3. For FAA Use Only

4. Unit Identification				5. Type	
Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	~~~~~ (As described in Item 1 above) ~~~~~				X
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

## 6. Conformity Statement

A. Agency's Name and Address	B. Kind of Agency	C. Certificate No.
RAYTHEON AIRCRAFT SERVICES, INC. 2450 N. WESTSHORE BLVD. TAMPA, FL 33607	<input type="checkbox"/> U.S. Certified Mechanic	VG4R595M RADIO 1,2,3
	<input type="checkbox"/> Foreign Certified Mechanic	
	<input checked="" type="checkbox"/> Certified Repair Station	
	<input type="checkbox"/> Manufacturer	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date 5-10-99	Signature of Authorized Individual 
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## 7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY	FAA Fit. Standards Inspector	Manufacturer	Inspection Authorization	Other (Specify)
	FAA Designee	X Repair Station	Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection 5-10-99		Certificate or Designation No. VG4R595M	Signature of Authorized Individual 	



## NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

### B. Description of Work Accomplished

(If more space is required, attach additional sheets, identify with aircraft nationality and registration mark and date work accomplished.)

THIS INSTALLATION IS A FOLLOW-ON APPROVAL BASED ON RYAN INTERNATIONAL CORPORATION STC #SA1763GL FOR TCAD 9900 SERIES TRAFFIC AND COLLISION ALERT DEVICE WHICH WAS INSTALLED ON A CESSNA MODEL 414A.

#### REFERENCE DATA:

RYAN TCAD INSTALLATION MANUAL FOR 9900 SERIES MODELS 9900, 9900A AND 9900B, P/N 32-2301 REVISION 2 DATED FEB. 2, 1998, OR LATER REVISION.

RAYTHEON AIRCRAFT SERVICES, INC. TAMPA, FL. WIRING DRAWINGS # M-0001 SHEETS 1,2 AND 3 DATED 2-14-99

RAYTHEON AIRCRAFT SERVICES, INC. TAMPA, FL. STRUCTURAL DRAWING # M-0012 SHEET 1 AND 2, FOR TOP TCAD ANTENNA INSTALLATION. DATED 2-14-99.

RAYTHEON AIRCRAFT SERVICES, INC. TAMPA, FL. STRUCTURAL DRAWING # M-0013 SHEET 1 AND 2, FOR BOTTOM TCAD ANTENNA INSTALLATION. DATED 2-14-99.

FAA FORM 337 DATED 3-12-99 AS APPROVED DATA.

#### EQUIPMENT INSTALLED:

RYAN INTERNATIONAL CORP. MODEL 9900B PROCESSOR, P/N 70-2400, LOCATED ON EXISTING AFT AVIONICS SHELF, RIGHT SIDE AT F.S. 199.0.

RYAN INTERNATIONAL CORP. MODEL 9900B DISPLAY, P/N 70-2500 LOCATED IN CENTER RADIO PANEL ADJACENT TO THE # 1 EXISTING NAV/COMM RADIO AT F.S. 58.0.

RYAN INTERNATIONAL TRANSPONDER ANTENNA COUPLER, P/N 62-2040 MOUNTED ON EXISTING FORWARD AVIONICS SHELF AT F.S. 51.0.

SENSOR SYSTEM TOP TCAD ANTENNA L-BAND, P/N 72-1750-31L, TSO-C47c ON TOP OF FUSELAGE AT F.S. 102.0.

SENSOR SYSTEM BOTTOM TCAD ANTENNA, P/N 72-1750-32L, TSO-C47c ON BOTTOM OF FUSELAGE AT F.S. 138.0.

KLIXON CIRCUIT BREAKER, P/N 7277-2-3 LOCATED IN AVIONICS CIRCUIT BREAKER PANEL, 28VDC BUSS AT F.S. 57.0.

RYAN INTERNATIONAL CORP. TCAD 9900B P/N 71-2400 TRAFFIC AND COLLISION AVOIDANCE SYSTEM INSTALLED IN ACCORDANCE WITH ABOVE REFERENCED DATA. THE SYSTEM PROCESSOR AND DISPLAY ARE POWERED BY A KLIXON 3 AMP CIRCUIT BREAKER MOUNTED IN THE 28VDC AVIONICS BUSS ON THE AVIONICS CIRCUIT BREAKER PANEL RIGHT SIDE OF COCKPIT, ACCESSIBLE TO THE PILOT IN FLIGHT. THE TCAD INFORMATION IS DISPLAYED ON A RYAN INTERNATIONAL CORP. 9900B DISPLAY UNIT MOUNTED IN THE CENTER RADIO PANEL. THE TCAD PROCESSOR IS INTERFACED WITH EXISTING ALLIED SIGNAL, INC. M/N KMA-26 AUDIO PANEL, THE EXISTING SUPPRESSION BUSS AT THE ALLIED SIGNAL, INC. DME M/N KN-63 CONNECTOR, THE EXISTING ALLIED SIGNAL ENCODING ALTIMETER, M/N KEA-130A FOR ALTITUDE DATA AND THE EXISTING ALLIED SIGNAL, INC. ANTENNA SYSTEM.

PLACARD INSTALLED ON CIRCUIT BREAKER STATING "TCAD".

RYAN INTERNATIONAL CORP. TCAD 9900B TRAFFIC AND COLLISION ALERT DEVICE FAA APPROVED FLIGHT MANUAL SUPPLEMENT DATED MARCH 3, 1999, PLACED IN SUPPLEMENTS SECTION OF AIRCRAFT FAA APPROVED FLIGHT MANUAL.

ELECTRICAL LOAD ANALYSIS VERIFIES THAT TOTAL ELECTRICAL LOAD REQUIREMENTS ARE WITHIN THE CAPABILITIES OF THE AIRCRAFT ELECTRICAL GENERATING SYSTEM.

GROUND TESTING OF SYSTEM REFLECT ALL SYSTEMS ON AIRCRAFT OPERATE NORMALLY ALONG WITH THE INSTALLATION IN ACCORDANCE WITH SECTION IV PERFORMANCE TESTING OF THE INSTALLATION MANUAL P/N 32-2301, REV. 2 FEB. 2, 1998.

STRUCTURAL MOUNTING OF THE RYAN INTERNATIONAL CORP. TCAD 9900B SYSTEM IS SUFFICIENT TO ENSURE THE RESTRAINT OF THE EQUIPMENT WHEN SUBJECTED TO EMERGENCY LANDING LOADS APPROPRIATE TO THIS AIRCRAFT, AND VERIFIED ACCORDING TO AC43.13-2A, CHAP. 1 PARA. 1,2& 3.





# MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)

Form Approved  
OMB No. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

1. Aircraft	Make <b>RAYTHEON AIRCRAFT CO.</b>	Model <b>A-36</b>
	Serial No. <b>E-3219</b>	Nationality and Registration Mark <b>N12FG</b>
2. Owner	Name (As shown on registration certificate) <b>RAYTHEON AIRCRAFT COMPANY</b>	Address (As shown on registration certificate) <b>PO BOX 85 WITCHITA, KS 67201</b>

### 3. For FAA Use Only

THE DATA IDENTIFIED HEREIN COMPLIES WITH THE APPLICABLE AIRWORTHINESS REQUIREMENT AND IS APPROVED FOR DUPLICATION ON IDENTICAL AIRCRAFT MAKE, MODEL, AND ALTERED CONFIGURATION WHEN ACCOMPLISHED BY THE ORIGINAL MODIFIER.

*[Signature]*  
SIGNATURE OF INSPECTOR

**MAR 03 1999**  
DATE

### 4. Unit Identification

### 5. Type

Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	(As described in Item 1 above)				X
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

**FOR REFERENCE ONLY**

### 6. Conformity Statement

A. Agency's Name and Address <b>RAYTHEON AIRCRAFT SERVICES, INC. 2450 N. WESTSHORE BLVD. TAMPA, FL 33607</b>	B. Kind of Agency <input type="checkbox"/> U.S. Certified Mechanic <input type="checkbox"/> Foreign Certified Mechanic <input checked="" type="checkbox"/> Certificated Repair Station <input type="checkbox"/> Manufacturer	C. Certificate No. <b>VG4R595M RADIO 1,2,3</b>
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D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date <b>3-12-99</b>	Signature of Authorized Individual <i>[Signature]</i>
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### 7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY	FAA Flt. Standards Inspector	Manufacturer	Inspection Authorization	Other (Specify)
	FAA Designee	X Repair Station	Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection <b>3-12-99</b>		Certificate or Designation No. <b>VG4R595M</b>	Signature of Authorized Individual <i>[Signature]</i>	