

337s



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 Cessna	Model 177RG
	Serial No. 177RG1296	Nationality and Registration Mark N34502
2. Owner	Name (As shown on registration certificate) Neil G. Carlson	Address (As shown on registration certificate) 2104 Oakwood Ave. Bentonville, AR 72712.

3. For FAA Use Only

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

6. Conformity Statement

A. Agency's Name and Address	B. Kind of Agency	C. Certificate No.
Microdata Engineering P. O. Box 285 Prairie Grove, AR 72753	<input type="checkbox"/> U.S. Certificated Mechanic	HS2R883K
	<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 12-12-94	Signature of Authorized Individual Joe McCourt
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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			Certificate or Designation No.	Signature of Authorized Individual 	

NOTICE

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

ONLY JRG/EM

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 II Morrow Apollo 360 GPS system in aircraft. Receiver (panel unit) installed using II Morrow 560-0124-00 installation manual dated 10/94. A-33 antenna installed using II Morrow 560-0949, rev.0 installation manual dated 08/92.

Primary power taken from circuit breaker installed in the circuit breaker area as designed and provided by Cessna Aircraft Co. Circuit breaker and its installation meets requirements of AC43.13-1A, Chapter 11, Section 2, paragraph 429.

Electrical loading within limits as per AC43.13-1A, Chapter 11, Section 2. GPS system placarded "GPS LIMITED TO VFR USE ONLY" in plain sight of pilot as per AC 20-138, paragraph 7.b(10).

Suitability of location of installed units meets requirements of FAR 43.13-2, Chapter 2, Paragraph 23b.

Wiring meets requirements of FAR 23.1365.

Installation meets requirements of FAR 23.1431.

Weight and balance data changed. Equipment list updated.

-----END-----

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

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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).

Aircraft	Make Cessna	Model 177RG
	Serial No. 177RGL296	Nationality and Registration Mark N34502
Owner	Name (As shown on registration certificate) Carlson Neil G	Address (As shown on registration certificate) 1929 Wilson Ames, IA 50010

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 John Wilson 4456 Chaparral Lane Fayetteville, AR 72704	B. Kind of Agency <input checked="" type="checkbox"/> U.S. Certificated Mechanic <input type="checkbox"/> Foreign Certificated Mechanic <input type="checkbox"/> Certificated Repair Station <input type="checkbox"/> Manufacturer	C. Certificate No. A&P 2474879
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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 04/24/98	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	X	Inspection Authorization	Other (Specify)
	FAA Designee	Repair Station		Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection 04/24/98		Certificate or Designation No. 429376679 I.A.	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.

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 new elevator tips Part No. 1732024-1. Installed lower skin Part No.'s 2011000-7, 2012020-13, and 2012068-1. Installed lower skin air vent Part No. 2012081-1. Installed a new tail tie down ring Part No. Q541115-45. Installed new com antenna's Part No. CI105. Installed new MB antenna C185000. Log Book entry completed.

END



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 CESSNA	Model 177RG
	Serial No. 177RG1296	Nationality and Registration Mark N34502
2. Owner	Name (As shown on registration certificate) CARLSON NEIL G	Address (As shown on registration certificate) 1929 WILSON AMES, IA 50010

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.
Gregory A. Hughes 500-7 Airport Road Bentonville, AR 72712	<input checked="" type="checkbox"/> U.S. Certified Mechanic	A&P429376679
	<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 09/19/01	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	<input checked="" type="checkbox"/>	Inspection Authorization	Other (Specify)
	FAA Designee	Repair Station		Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection 09/19/01		Certificate or Designation No. 429376679 I.A.		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.

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 Brackett Air Filter system per STC SA71GL. Installed per STC installation instructions Supplement No. 1. Maintenance record entry completed this date.

END

Additional Sheets Are Attached



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

IND FSDO
RECEIVED

Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification

MAY 21 2004

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 Cessna	Model C-177RG
	Serial No. 177RG1296	Nationality and Registration Mark N34502
2. Owner	Name (As shown on registration certificate) Glen R. Euler Shari L. Euler	Address (As shown on registration certificate) 6072 Acorn Dr. Columbus, IN

3. For FAA Use Only

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

MAY 19 2004 *[Signature]*
DATE SIGNATURE IND-FSDO

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 Indianapolis Aviation, Inc. 9913 Willowview Rd. Fishers, IN 46038	B. Kind of Agency	C. Certificate No. AIHR109C
	U.S. Certificated Mechanic	
	Foreign Certificated Mechanic	
	X 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 May 19, 2004	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 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 May 19, 2004	Certificate or Designation No.	Signature of Authorized Individual <i>[Signature]</i>
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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.

8. Description of Work Accomplished

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

Registration: N34502 S/N: 177RG1296

Removed ARC RT 385 Nav/Com, IN-386AC Vor/Loc/GS Indicator, and ARC Audio Control Panel.

Installed the Garmin GNS 430 GPS/Nav/Com, GI 106A Vor/Loc/GS/GPS Indicator, GA 56 GPS antenna, and GMA 340 Audio Panel/Intercom, and CI 102 Marker Receiver antenna.

The GNS 430 was installed in the left avionics stack at F.S. 68.5 in the area vacated by the RT 385 Nav/Com, as a follow on to STC # SA00705WI, and in accordance with Garmin GNS 430 Installation Manual P/N 190-00140-02, Rev. L dated December, 2002. The GA 56 GPS antenna was installed on the top of the aircraft at F.S.99.0, using a .050 2024 T3 aluminum doubler rivet to the aircraft skin. The GI 106A indicator was installed in the upper instrument mounting hole to the left of the avionics stack in the area vacated by the IN-386AC indicator. The GNS 430 is interfaced with the GI 106A indicator for nav steering and GPS/Vor annunciator information, the existing ARC 300A autopilot system through the existing Nav 1/Nav 2 autopilot nav select switch, and the existing ACK A-30 blind encoder.

The GMA 340 was installed at the top of the center avionics stack at F.S. 71.0 in the area vacated by the ARC Audio Control Panel as a follow on to STC # SA00710WI, and in accordance with Garmin GMA 340 Installation Manual P/N 190-00149-01, Rev. L dated July 2003. The GMA 340 was interfaced with the CI 102 marker beacon antenna, and pilot and copilot mic and phone jacks for intercom operation.

All work was performed in accordance with AC 43.13-1B Chapter 7, paragraphs 1, 14, 15, 16, 17, 18; Chapter 11, paragraphs 1, 30, 31, 32, 33, 37; Chapter 12, paragraphs 1, 2, 8, 9, 17; and AC 43.13-2A Chapter 1, paragraphs 1, 2, 4, 5, 6, 7, 8, 9, 10, 11, 12; Chapter 2, paragraphs 21, 22, 23, 27 and Chapter 3, paragraphs 36 and 38.

The GNS 430 Pilot's Guide P/N 190-00140-00, Rev. G, dated May 2003, and GNS 430 Pilot's Guide Addendum P/N 190-00140-10, Rev. D dated March 2003 have been installed in the aircraft. The GMA 340 Pilot's Guide P/N 190-00149-10, Rev. C dated December 2001 has been installed in the aircraft.

The GNS 430 GPS meets the airworthiness requirements for IFR flight in accordance with AC 20-138A, Paragraphs 15(c), 16(a, c, d), 17(a(1) (E) (2)), (b) (1) (2) (3), 18 (b), (c), (d), (e), (g (1) (2) (3) (4)), (i (2)), 22 (a) (3 (i) (ii) (iii)), (c), and 23 (a), (b (1) (2) (3) (4)(i) (ii) (iii) (iv) (v)), (5), (6), (7).

Performed 91.411 and 91.413 checks in accordance with FAR 43, Appendix E and F.

The pilot's instrument panel has been placarded to read "GPS NOT TO BE USED FOR NAVIGATION" pending FAA approval.

Continued Airworthiness Instructions: See attachment.

Aircraft records have been inspected and reviewed to ensure that prior alterations and/or repairs are compatible with this alteration. This alteration will not impact the airworthiness of this aircraft as it relates to prior alterations and/or repairs. Weight and Balance and Equipment List have been revised.

-----END-----

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).

Aircraft	Make Cessna	Model C-177RG
	Serial No. 177RG1296	Nationality and Registration Mark N34502
Owner	Name (As shown on registration certificate) Glen R. Euler Shari L. Euler	Address (As shown on registration certificate) 6072 Acom dr. Columbus, IN 47201

3. For FAA Use Only

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

MAY 18 2004

DATE

SIGNATURE

IND-FSDO

4. Unit Identification

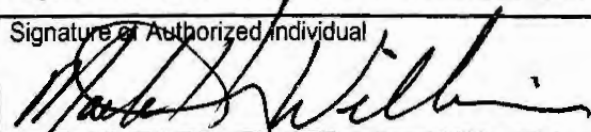
5. Type

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 Indianapolis Aviation, Inc. 9913 Willowview Rd. Fishers, IN 46038	B. Kind of Agency	C. Certificate No. AIHR109C
	<input type="checkbox"/> U.S. Certificated Mechanic	
	<input type="checkbox"/> Foreign Certificated Mechanic	
	<input checked="" type="checkbox"/> Certificated Repair Station	
	<input type="checkbox"/> Manufacturer	

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 May 21, 2004	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 <input checked="" type="checkbox"/>	Repair Station	Person Approved by Transport Canada Airworthiness Group	

Date of Approval or Rejection May 21, 2004	Certificate or Designation No. AIHR109C	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.

8. Description of Work Accomplished

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

Registration: N34502 S/N: 177RG1296

Performed aircraft test flight and verified the Garmin GNS 430 GPS meets the requirements for IFR Enroute, Terminal and Non-Precision Approach navigation in accordance with AC 20-138A, Paragraph 23(a) (b (1) (2) (3) (4 (i through vi))), 5, 6, 7, and 8 (2 (i through iv)).

Instrument panel placard reading "GPS NOT TO BE USED FOR NAVIGATION" to be removed following FAA approval.

Authorized Indianapolis Aviation, Inc. representative signature certifying IFR accuracy requirements:

Edward Biggio Edward Biggio on Date MAY 21, 2004

An FAA Approved Aircraft Flight Manual Supplement dated MAY 18, 2004 has been incorporated into the Aircraft Pilot's Operating Handbook.

The GNS 430 was installed in the left avionics stack in the area vacated by the RT 385, and as a follow on to STC # SA00705WI, in accordance with previously approved FAA Form 337 dated MAY 19, 2004.

Aircraft records have been inspected and reviewed to ensure that prior alterations and/or repairs are compatible with this alteration. This alteration will not impact the airworthiness of this aircraft as it relates to prior alterations and/or repairs.

-----END-----

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

Form Approved
OMB No. 2120-0020
2/28/2011

Electronic Tracking Number

For FAA Use Only

U.S. Department of Transportation
Federal Aviation Administration

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))

A. Aircraft	Nationality and Registration Mark USA N34502	Serial No. 177RG1296	
	Make CESSNA	Model 177RG	Series
B. Owner	Name (As shown on registration certificate) Glen R. Euler Shari L. Euler		
	Address (As shown on registration certificate) Address 3763 Creekside Ct		
	City Columbus	State IN	
	Zip 47203	Country USA	

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	_____	(As described in Item 1 above)	_____
<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: Eagle Avionics		<input type="checkbox"/> U. S. Certificated Mechanic	<input type="checkbox"/> Manufacturer
Address: 4770 Andrews St.		<input type="checkbox"/> Foreign Certificated Mechanic	C. Certificate No.
City: Columbus	State: IN	<input checked="" type="checkbox"/> Certificated Repair Station	E8CR532Y
Zip: 47203	Country: USA	<input type="checkbox"/> Certificated Maintenance Organization	

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 <i>Andrew Zigel</i>	7-11-2009
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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 <input checked="" type="checkbox"/>	Repair Station	Inspection Authorization	Other (Specify)

Signature/Date of Authorized Individual

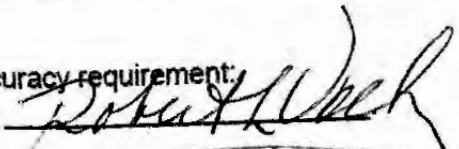
NOTICE

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.

8. Description of Work Accomplished

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

USA	N34502	7-11-2009
Nationality and Registration Mark		Date

- A. Certified newly installed GNS 430W GPS system shown on FAA Form 337 dated 6-17-2009.
- B. The aircraft was test flown and found to meet the requirements for IFR enroute, approach, and terminal navigation per AC 20-138A.
- C. Signature certifying IFR accuracy requirement:
Authorized Installer Signature: 
- D. The GNS 430W Pilot's Guide No. 190-00356-00 Rev. D, Jan, 2009 has been placed in the aircraft.
- E. The FAA Approved Airplane Flight Manual Supplement dated Nov, 2007 has been incorporated into the AFM.

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

Form Approved
OMB No. 2120-0020
2/28/2011

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))

Aircraft	Nationality and Registration Mark USA N34502	Serial No. 177RG1296	
	Make CESSNA	Model 177RG	Series
Owner	Name (As shown on registration certificate) Glen R. Euler Shari L. Euler		
	Address (As shown on registration certificate) Address 3763 Creekside Ct City Columbus State IN Zip 47203 Country USA		

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	_____	(As described in Item 1 above)	_____
<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

Agency's Name and Address Eagle Avionics 4770 Andrews St. Columbus State IN 47203 Country USA	B. Kind of Agency <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;"><input type="checkbox"/> U. S. Certificated Mechanic</td> <td style="width: 70%;">Manufacturer</td> </tr> <tr> <td><input type="checkbox"/> Foreign Certificated Mechanic</td> <td>C. Certificate No.</td> </tr> <tr> <td><input checked="" type="checkbox"/> Certificated Repair Station</td> <td rowspan="2" style="vertical-align: top;">E8CR532Y</td> </tr> <tr> <td><input type="checkbox"/> Certificated Maintenance Organization</td> </tr> </table>	<input type="checkbox"/> U. S. Certificated Mechanic	Manufacturer	<input type="checkbox"/> Foreign Certificated Mechanic	C. Certificate No.	<input checked="" type="checkbox"/> Certificated Repair Station	E8CR532Y	<input type="checkbox"/> Certificated Maintenance Organization
<input type="checkbox"/> U. S. Certificated Mechanic	Manufacturer							
<input type="checkbox"/> Foreign Certificated Mechanic	C. Certificate No.							
<input checked="" type="checkbox"/> Certificated Repair Station	E8CR532Y							
<input type="checkbox"/> Certificated Maintenance Organization								

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 14 CFR Part 43 D. B	<input type="checkbox"/>	Signature/Date of Authorized Individual <i>Andrew Ziegler</i>	7-11-2009
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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

FAA Fit. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
FAA Designee	<input checked="" type="checkbox"/>	Repair Station	Inspection Authorization
			Other (Specify)

Signature/Date of Authorized Individual <i>Robert L. Veich</i>	7-11-2009
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Signature or Designation No.
CR532Y

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.)

USA

N34502

7-11-2009

Nationality and Registration Mark

Date

A. Performed WAAS Upgrade to the existing Garmin GNS 430 system I/A/W STC Upgrade Installation Manual No. 190-00357-06 Rev. D. The Garmin GNS 430W is FAA approved under STC # SA01933LA.

B. Validated that the previous installation of the GNS 430 was installed I/A/W STC # SA00705WI documented in FAA Form 337's dated May 19, 2004.

C. Verified the aircraft and all interfaced equipment are covered under the STC AML.

D. The existing GNS 430 was removed and sent to Garmin where it was upgraded to a GNS 430W.

E. The mounting location of the GNS 430W did meet the field-of-view requirements.

F. The existing coax cable was inspected and was replaced with the correct RG400 coax cable to the correct location and meets the new loss factors of the GNS 430W.

G. Removed GA 56 GPS Antenna and replaced with GA 35 GPS/WAAS Antenna using the approved mounting provisions of the previous installation.

H. The GNS 430W was configured identical to the original GNS 430. Each interface was checked out I/A/W the 400W Series Installation Manual No. 190-00356-02 Rev. G.

I. Removed the Flight Manual Supplement for the GNS 430 and installed a Garmin 400W Series GPS/WAAS Navigation System AFMS No. 190-00356-03 Rev. A, FAA Approved date November 20, 2007 into the Aircraft Flight Manual.

J. No change noted in A/C Weight and Balance. Updated equipment list to reflect this installation.

K. Instructions for Continued Airworthiness: (GNS 430W)
Refer to the attached 400W Series Instructions for Continued Airworthiness Document No. 190-00356-65 Rev. A. These supercede ICAW data for the previously installed GNS 430.



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

Form Approved
OMB No. 2120-0020
11/30/2007

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 USA N34502	Serial No. 177RG1296	
	Make Cessna	Model 177RG	Series Cardinal RG
2. Owner	Name (As shown on registration certificate) Jet Air, Inc		Address (As shown on registration certificate) 1801 South Riverside Drive
			Address 1801 South Riverside Drive
	City Iowa City State IA		
	Zip 52246 Country U.S.A.		

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	_____	(As described in item 1 above)	_____
<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 JET AIR, INC. - GBG		U. S. Certificated Mechanic	
Address 58 II Rt 164		Foreign Certificated Mechanic	
City Galesburg State IL		<input checked="" type="checkbox"/> Certificated Repair Station	
Zip 61401 Country U.S.A.		Certificated Maintenance Organization	
		C. Certificate No. JAFR110F	

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 1-16-2017 David Timmons
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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	<input checked="" type="checkbox"/> Repair Station	Inspection Authorization	Other (Specify)

Certificate or Designation No. JAFR110F	Signature/Date of Authorized Individual 1-11-2017 David Timmons
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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.

8. Description of Work Accomplished

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

USA N34502

Nationality and Registration Mark

1-16-2017

Date

Removed the previously installed ARC RT-359A transponder.

Installed in this aircraft one, Bendix/King KT-74 transponder capable of Automatic Dependent Surveillance - Broadcast (ADS-B) Out functionality using the Bendix/King KT-74 transponder and a qualified position sensor, in accordance with Master Drawing List, E-BK-13-0002, Rev.D, dated 03/19/2014, or later FAA approved revision. Interfaced this King KT-74 with the previously installed/approved Garmin GNS-430W.

This installation completed under STC SA00765DE, Issued March 20, 2014, Reissued March 25, 2014.

It has been determined that this design change is compatible with all previously approved modifications.

The modified aircraft must be maintained in accordance with the ADS-B Out System Instructions for Continued Airworthiness; ADS-B Transmitter: Bendix/King KT-74, Position source: Garmin GNS-430W, I.C.A. Number, E-BK-13-0008 Rev. IR, dated 03/20/2014, or later FAA approved revision.

Transponder has been programmed for a Mode S code of; A3D254, and max speed below 300 kts.

The airplane flight manual supplement identified below must be maintained onboard the modified aircraft;

Airplane Flight manual Supplement, to Cessna 177RG S/N 177RG1296, Airplane Flight Manual, ADS-B Transmitter, Bendix/King KT-74 Transponder, Position source: Garmin GNS-430W, E-BK-13-0009, Rev. IR, dated March 14, 2014, or later FAA approved revision.

Changes to the aircraft weight and balance data deemed negligible following this component exchange, and a revision to the aircraft equipment list completed following installation of above listed items.

An entry for this alteration and a reference to the instructions for continued airworthiness have been made in the aircraft's maintenance records as required by 14CFR43; section 43.9 as referenced on this FAA form 337.