



US Department
of Transportation
Federal Aviation
Administration

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

Form Approved

Electronic Tracking Number

OMB No. 2120-0020

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 N7048U	Serial No. 310N0171
	Make Cessna	Model 310N
2. Owner	Name (As shown on registration certificate) Barbara Hoberock	Address (As shown on registration certificate) Address 327 Lake View Drive
		City Washington State MO Zip 63090 Country USA

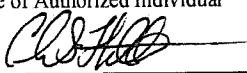
3. For FAA Use Only

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		

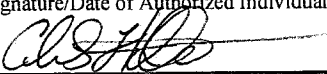
6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name	Elite Aviation Service, LLC	<input type="checkbox"/> U.S. Certificated Mechanic	<input type="checkbox"/> Manufacturer
Address	950 S. Old Missouri Blvd.	<input type="checkbox"/> Foreign Certificate Mechanic	C. Certificate No.
City	Springdale State AR	<input checked="" type="checkbox"/> Certificated Repair Station	1EZR979C
Zip	72764 Country USA	<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  12/30/19
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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 <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Rejected					
BY	<input type="checkbox"/> FAA Flt. Standards Inspector	<input type="checkbox"/> Manufacturer	<input type="checkbox"/> Maintenance Organization	<input type="checkbox"/> Persons Approved by Canadian Department of Transport	
	<input type="checkbox"/> FAA Designee	<input checked="" type="checkbox"/> Repair Station	<input type="checkbox"/> Inspection Authorization	<input type="checkbox"/> Other (Specify)	
Certificate or Designation No. 1EZR979C		Signature/Date of Authorized Individual  12/30/19			

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 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.)

N7948U

Dec. 12, 2019

Nationality and Registration Mark

Date

Removed:

Manufacturer	Model	Description	S/N	P/N	Wt.	Arm
Garmin	GA55	GPS Antenna	8701824	011-01033-00	0.5	35.5
Bendix King	KT76A	Transponder	93531	066-1062-00	3.1	14
Garmin	GNS530	GPS Nav/Com	78413732	011-00550-10	9.5	14.5

Installed:

Manufacturer	Model	Description	S/N	P/N	Wt.	Arm
Garmin	GTX345	Panel Mount Transponder	3EG028331	011-03302-00	2.9	14.5
Garmin	GAE12	Encoder	3T6012926	011-03080-01	0.3	14
Garmin	GNS530W	GPS Nav/Com	78413732	011-01064-40	9.5	14.5
Garmin	GA35	GPS Antenna	162407	013-0025-00	0.5	35.5

DESCRIPTION OF ALTERATION:

Removed the above equipment and installed a Garmin GTX345 Transponder with a Garmin GAE12 Encoder integrated to a newly upgraded GNS530W GPS/NAV/COM with a GA35 GPS Antenna installed IAW Garmin SA01714WI, SA01933LA-D, SA01933LA-D and the current manufacturers installation manual.

All work was performed IAW the data referenced above. Post installation ground test have been performed to assure proper operation of all affected systems. All affected system was tested accordingly to show compliance with 14 CFR 23.1309. An Electrical Load Determination was performed IAW AC43.13-1B/Para 11-36. The changes in the electrical load were found to be within the limits established by the airframe manufacturer.

The Aircraft Equipment List/ Weight and Balance was updated.

☐ 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
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. 1421). 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 N7048U	Serial No. 310N0171	
	Make Cessna	Model 310N	Series 300
2. Owner	Name (As shown on registration certificate) Hoberock Barbara J	Address (As shown on registration certificate) Address 327 Lake View Dr	
		City Washington State MO Zip 63090-5387 Country United States	

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial Number
<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 Jeremy McInturff		<input checked="" type="checkbox"/> U.S. Certificated Mechanic	<input type="checkbox"/> Manufacturer
Address 2871 Radnor St		<input type="checkbox"/> Foreign Certificated Mechanic	C. Certificate No.
City St Charles State MO		<input type="checkbox"/> Certificated Repair Station	A&P3684045
Zip 63301 Country United States		<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 Jeremy McInturff 5/3/13
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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	<input type="checkbox"/> FAA Fit Standards Inspector	<input type="checkbox"/> Manufacturer	<input type="checkbox"/> Maintenance Organization	<input type="checkbox"/> Person Approved by Canadian Department of Transport
	<input type="checkbox"/> FAA Designee	<input type="checkbox"/> Repair Station	<input checked="" type="checkbox"/> Inspection Authorization	Other (Specify)

Certificate or Designation No. A&P3684045IA	Signature/Date of Authorized Individual Jeremy McInturff 5/3/13
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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.)

N7048U

Nationality and Registration Mark

5/3/2013

Date

Removed Gill aircraft batteries p/n G-25 and replaced with Concorde Battery p/n RG-25 in accordance with STC# SA01118WI. Work was accomplished in accordance with Concorde Battery Corporation, Master List Dwg. No. 5-0148, Revision A, dated August 16, 2002.

Instructions for continued airworthiness is to be performed in accordance with Concorde Maintenance Manual Supplement Dwg NO. 5-0460.

Weight and balance negligible.

☐ Additional Sheets Are Attached



U.S. Department of
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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. 1421). 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 N7048U	Serial No. 310N0171	
	Make Cessna	Model 310	Series N
2. Owner	Name (As shown on registration certificate) Barbara Hoberock	Address (As shown on registration certificate) 327 Lake View Dr.	
		City Washington State MO Zip 63090 Country USA	

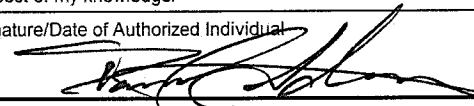
3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial Number
<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 University of Central Missouri		<input type="checkbox"/> U.S. Certified Mechanic	<input type="checkbox"/> Manufacturer
Address 281 NW 50 HWY		<input type="checkbox"/> Foreign Certified Mechanic	C. Certificate No.
City Warrensburg State MO		<input checked="" type="checkbox"/> Certified Repair Station	CMXR907C
Zip 64093 Country USA		<input type="checkbox"/> Certified 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  08/07/2012
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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	<input type="checkbox"/> FAA Flt Standards Inspector	<input type="checkbox"/> Manufacturer	<input type="checkbox"/> Maintenance Organization	<input type="checkbox"/> Person Approved by Canadian Department of Transport
	<input type="checkbox"/> FAA Designee	<input checked="" type="checkbox"/> Repair Station	<input type="checkbox"/> Inspection Authorization	Other (Specify)

Certificate or Designation No. CMXR907C	Signature/Date of Authorized Individual 8/7/2012 
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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.)

N7048U

8/7/2012

Nationality and Registration Mark

Date

1. Assure the aircraft mast power switch is in the off position and disconnect the aircraft ground cable from the ground terminal of the aircraft battery. IAW Cessna Maintenance Manual.
2. Remove the screws securing the rotating beacon in position in the verticle stabilizer housing. Remove the rotating beacon from the stabilizer housing disconnecting the power and ground leads assuring adequate wire length to make the connections with the FS-4400 Flight Strobe.
3. Strip the power wire and utilize the supplied connectors (or approved equivalent) to splice the existing power wire lead to the FS-4400 Flight Strobe power wire.
4. Attach the existing aircraft ground wire to the FS-4400 Flight Strobe ground connector utilizing the screw in the strobe housing and tighten securely.
5. Insert the flight strobe in the vertical stabilizer housing allowing 3/4" to extend out of the mounting opening. Rotate to align the forward vertical slot of the FS-4400 Flight Strobe with the centerline of the aircraft.
6. Insert three to six of the #6 x 5/16" metal screw through the existing holes located appoximately one inch below the top opening of the stabilizer housing into the corresponding vertical slots and tighten securely.
7. Install "Turn off strobe in fog or clouds" placard (FS-258) adjacent to existing anti-collision switch on the cockpit panel in a clearly visible location.
8. Reconnect aircraft ground cable to battery ground terminal and test anti-collision light operation assuring fuse and/or circuit breaker does not trip and radio interference does not exist.
9. Make an aircraft logbook entry and file an FAA Form 337 per FAR 43 Appendix B.

-----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
11/30/2007

Electronic Tracking Number

For FAA Use Only

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	Nationality and Registration Mark N7048U	Serial No. 310N0171	
	Make Cessna	Model 310N	Series
2. Owner	Name (As shown on registration certificate) Hoherock Barbara J		Address (As shown on registration certificate) 327 Lake View Dr
			City Washington State MO
			Zip 63090-5387 Country United States

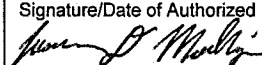
3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial Number
<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	Jason D Moellinger	<input checked="" type="checkbox"/> U.S. Certificated Mechanic	<input type="checkbox"/> Manufacturer
Address	P.O. Box 320	<input type="checkbox"/> Foreign Certificated Mechanic	C. Certificate No.
City	Hermann State MO	<input type="checkbox"/> Certificated Repair Station	3121407
Zip	65041 Country United States	<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  Jason D Moellinger Date: March 06, 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	Person Approved by Canadian Department of Transport
	FAA Designee	Repair Station	<input checked="" type="checkbox"/> Inspection Authorization	Other (Specify)

Certificate or Designation No. 392782196	Signature/Date of Authorized Individual  Rodney D Getter Date: March 06, 2009
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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.)

N7048U

Nationality and Registration Mark

March 06, 2009

Date

- 1) Installed Hartzell Propeller and Spinner assembly model PHC-J3YF-2UF/FC7663D-2R s/n ED5682B in left hand position, in accordance with Supplemental Type Certificate No. SA234CH. Installation performed in accordance with the original Cessna 310 model aircraft installation and service instructions and by Hartzell Installation Instructions for model 310N dated June 17, 1997. Inserted FAA Approved Airplane Flight Manual Supplement for Cessna 310N, dated June 17, 1997 into Airplane Flight Manual. Performed ground run for operational and leak checks. No defects at this time.
- 2) Installed Hartzell Propeller and Spinner assembly model PHC-J3YF-2UF/FC7663D-2R s/n ED5684B in right hand position, in accordance with Supplemental Type Certificate No. SA234CH. Installation performed in accordance with the original Cessna 310 model aircraft installation and service instructions and by Hartzell Installation Instructions for model 310N dated June 17, 1997. Inserted FAA Approved Airplane Flight Manual Supplement for Cessna 310N, dated June 17, 1997 into Airplane Flight Manual. Performed ground run for operational and leak checks. No defects at this time.
- 3) **Instructions for Continued Airworthiness** is provided by Hartzell Propeller, Inc., in an FAA Approved Owner's Manual No. 115N Document No. 61-00-15 dated August 2006, Revision 13. A copy has been placed with aircraft records at this time.
- 4) Aircraft Equipment List and Weight and Balance updated and placed in aircraft records.

Nothing Follows

☐ Additional Sheets Are Attached



U.S. Department of
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Federal Aviation
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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 Cessna	Model 310N
	Serial No. 310N0171	Nationality and Registration Mark N7048U
2. Owner	Name (As shown on registration certificate) Hoherock Barbara J	Address (As shown on registration certificate) 327 Lake View Dr Washington, MO 63090-5387

3. For FAA Use Only

The technical data identified herein has been found to comply with applicable
airworthiness requirements and is hereby approved for use only on the above described
aircraft, subject to conformity inspection by a person authorized in 14 CFR Part 43.7.

07/14/2005

Date

FAA Inspector, SW-FSDO-11 (LIT)

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.
Northwest Arkansas Avionics, Inc. P.O. Box 378 - 104 Airport Lane Mena, AR. 71953 Ph. #: 479-394-4061	<input type="checkbox"/> U.S. Certified Mechanic <input type="checkbox"/> Foreign Certified Mechanic <input checked="" type="checkbox"/> Certified Repair Station <input type="checkbox"/> Manufacturer	QNBR706X Limited Airframe Limited Specialized Service

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 July 14, 2005	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 7/14/05		Certificate or Designation No. QNBR706X	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.)

N7048U July 14, 2005

Reference 337 dated 6/28/05, placard stating "GNS 530 Approved for VFR Only" has been removed from the instrument panel.

FAA Approved Flight Manual Supplement dated 06-24-2005 for the Garmin GNS 530 can be used for VFR/IFR enroute, terminal, and non-precision instrument approach (GPS, Loran-C, VOR, VOR-DME, TACAN, NDB, NDB-DME, RNAV) operations. A flight test has been performed and system meets the accuracy requirements of AC 20-138.

***** END *****

☐ Additional Sheets Are Attached



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Federal Aviation
Administration

MAJOR REPAIR AND ALTERATION
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Office Identification

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1. Aircraft	Make Cessna	Model 310N
	Serial No. 310N0171	Nationality and Registration Mark N7048U
2. Owner	Name (As shown on registration certificate) Hoberock Barbara J	Address (As shown on registration certificate) 327 Lake View Dr Washington, MO 63090-5387

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 Northwest Arkansas Avionics, Inc. P.O. Box 378 - 104 Airport Lane Mena, AR. 71953 Phone #: 479-394-4061	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. QNBR706X Limited Airframe Limited Specialized Service
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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 June 28, 2005	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 6/28/05		Certificate or Designation No. QNBR706X	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.)

N7048U

June 28, 2005

1.) Installed Garmin GDL 69A XM Weather Receiver to display on the GNS 530 in accordance with STC SA01487SE. The GA 55 XM antenna is mounted on top fuselage. The GDL 69A is mounted on forward left avionics shelf.

2.) A logbook entry has been made. The Weight & Balance and Equipment List have been updated.

END

☐ Additional Sheets Are Attached



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1. Aircraft	Make Cessna	Model 310N
	Serial No. 310N0171	Nationality and Registration Mark N7048U
2. Owner	Name (As shown on registration certificate) Hoberock Barbara J	Address (As shown on registration certificate) 327 Lake View Dr Washington, MO 63090-5387

3. For FAA Use Only

The technical data identified herein has been found to comply with applicable
airworthiness requirements and is hereby approved for use only on the above described
aircraft, subject to conformity inspection by a person authorized in 14 CFR Part 43.7.

06/24/2005
Date

[Signature]
FAA Inspector, SW-FSDO-11 (LIT)

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 Northwest Arkansas Avionics, Inc. P.O. Box 378 - 104 Airport Lane Mena, AR. 71953 Ph. #: 479-394-4061	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. QNBR706X Limited Airframe Limited Specialized Service
--	---	--

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 June 22, 2005	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 6/28/05		Certificate or Designation No. QNBR706X	Signature of Authorized Individual <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.

8. Description of Work Accomplished

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

N7048U

June 22, 2005

- 1.) Removed the following radios: KNS80, KY196 AND Hoskins CFS 2001A. Installed GNS 530 coupled to the existing HSI/autopilot IAW GNS 530 installation manual P/N 190-00181-02 revision J dated 07/04. The GA 56 antenna is mounted on top fuselage above front seats. The above is installed IAW AC 43.13-1B chapter 11, AC 43.13-2A chapter 1, 2 & 3, and AC 20-138.
- 2.) Electrical Harness has been fabricated and installed using mil-spec wire and the manufacturer supplied pins and connectors IAW above listed installation manual. Power taken from the main avionics buss thru appropriate rated circuit breakers as listed in the installation manual IAW FAR 23.1357.
- 3.) The Operation Guides have been placed in the aircraft for the Garmin GNS 530 Pilot's Guide P/N 109-00181-00 revision C dated 04/03, Garmin GNS 530 Quick Reference Guide P/N 190-00181-01 revision C dated 04/03, and A GNS 530 Flight Manual Supplement dated 06/24/2005 has been placed in the Aircraft Flight Manual.
- 4.) A placard stating "GNS 530 Approved for VFR Only" has been installed on the instrument panel.
- 5.) The maximum continuous electrical load does not exceed 80% of the total capacity. The installation does not affect the compass.
- 6.) A logbook entry has been made. The Weight & Balance and Equipment List have been updated.
- 7.) The Requirements of FAR 91.407 (b) must be complied with.

Instructions for Continued Airworthiness:

- I. INTRODUCTION: Cessna model 310N.
 - II. DESCRIPTION: See paragraph 1 above.
 - III. CONTROL/OPERATION: See listed manuals in paragraph 1 above.
 - IV. SERVICING INFORMATION: N/A
 - V. MAINTENANCE INFORMATION: On Condition Only.
 - VI. TROUBLESHOOTING INFORMATION: See listed manuals in paragraph 1.
 - VII. REMOVAL/REPLACEMENT: See listed manuals in paragraph 1.
 - VIII. DIAGRAMS: See installation manuals listed in paragraph 1.
 - IX. SPECIAL INSPECTION REQUIREMENTS: Refer to FAR 43 appendix D and AC 43.13-1B Chapter 12 or applicable approved inspection program.
 - X. APPLICATION OF SPECIAL TREATMENTS: N/A
 - XI. DATA: N/A
 - XII. LIST OF SPECIAL TOOLS: N/A
 - XIII. FOR COMMUTER CATEGORY AIRCRAFT: N/A
 - XIV. RECOMMENDED OVERHAUL PERIODS: N/A
 - XV. AIRWORTHINESS LIMITATION SECTION: N/A
- REVISION: To revise this ICA, a letter will be sent to the local FSDO with a copy of the revised FAA Form 337 and revised ICA.

☐ Additional Sheets Are Attached