MAJOR REPAIR AND ALTERATION

Form Approved	Electronic Tracking Number
OMB No. 2120-0020	
	For FAA Use Only

of Transportat	ion ion	(Airframe	, Powerplant,	Propeller, or App	oliance)			
instructions	IONS: Prin	t or type all e tion of this for C. §46301(a))	m. This report is	14 CFR §43.9, Part required by law (49	43 Appendix B, a U.S.C. §44701). F	and AC 43.9-1 ailure to report	(or subsequ can result in	ent revision thereof) for a civil penalty for each
Such violativ		y and Registration			Serial No.	and the second s	was never makes on the second	
	N70481		WII IVAMIN		310N0171			
1. Aircraft	Make				Model			
	Cessna				310N			
		11 11 11 11 11 11 11 11 11 11 11 11 11				and the same of th		agence for 100 to the second of the contract o
			tration certificate)		Address (As show	vn on registration o ake View Drive	certificate)	
2. Owner	Barbara F	loberock			Address 327 La	are view Drive		
2. Owner					City Washi		. 110.4	State MO
21 mm 4 mm - 1 mm - 2 mm - 1 mm -		Magazina gamanagana di Labarata da Santa da San		2 T T T T	Zip 63090	Cour	itry USA	
				3. For FAA U	se Only			
					<u>, , , , , , , , , , , , , , , , , , , </u>			
4. T					. Unit Identification	Model Model		Serial No.
Repair	Alteration	Unit		Make		Model		Sorial 110.
		AIRFRAM	F		(As desc	cribed in Item	l above)	
		And id ivi						
		POWERPLA	NT					
		PROPELLE	ER .					
			Туре					
		APPLIANO	CE					
			Manufacture	r				
				6. Conformity	Statement		incernity were the second	The second secon
A Aganou'	s Name and	A ddress		B. Kind of A				
Name	Elite Aviation	Service, LLC			tificated Mechanic		Manufac	eturer
	950 S. Old Mi			Foreign	Certificate Mechan	ic C	C. Certificate	No.
	Springdale		State AR	☐ Certifica	ted Repair Station		EZR979C	
Zip	72764	Country US	SA	Certifica	ted Maintenance C	rganization	the reverse	or attachments hereto
D. I certif	y that the re	pair and /or al	iteration made to t	ne unit(s) identified i	n nem 3 above an	a described on Aviation Regu	ilations and	or attachments hereto that the information
nave t	been made	in accordance	ect to the best of n	no knowledge.	are o.b. reductar	Trianon Rogu		
Extended ran		, and and con	Signature/Date of Au	thorized Individual				
per 14 CFR I			11	2100			1.	2/20/10
Арр. В			(-Ki	DOWN		and the state of t	1.	2/30/19
	And the same state of the same			7. Approval for Re	urn to Service			
Pursuant	to the auti	nority given p	persons specified	below, the unit iden	titied in item 5	was inspected in Rejected	in the man	ner prescribed by the
			on Administration a		Approved .	Persons A	proved by (Canadian
	FAA Flt. Stan Inspector	dards	Manufacturer	Maintenance	Organization		it of Transpo	
BY \square	FAA Desi	gnee 🖂	Repair Station		uthorization	Other (Spe		
Certificate or			Signature/Date of Au	thorized Individual				12/20/10
Designation		_	(1) O H					12/30/19
	1EZR9790	ا ز	WOTT TO	K/				

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	
Garmin	GNS530W	GPS Nav/Com	78413732	011-01064-40	9.5	14.5
Garmin	GA35	GPS Antenna	162407	013-0025-00	0.5	

DECRIPTION 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
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8

MAJOR REPAIR AND ALTERATION

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

Electronic Tracking Number

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Transport Federal A			7.7	(Airframe, Powerplant, Propeller, or Appliance)							ļ		For FA	A Use On	ıy	
Administ																
instr	uctions a	and dispo		this fo						Appendix B, and i.C. 1421). Failun						
	Nationality and Registration Mark N7048U								1	Serial No. 310N0171	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·			
1. Aircra	απ	Make Cessr	na							Model 310N	Series 300					
2. Owne	er		As shown rock Bar		gistration certi a J	ficate)		Address (As shown on registration certificate) Address 327 Lake View Dr City Washington State MO Zip 63090-5387 Country United States								
							3	3. For	FAA Use Or	nly						
	4. Type	!	<u> </u>			r			5. U	nit Identification	n a ara ara ara ara ara ara ara ara ara a	<u>1</u> -				
Repa	ir Al	Iteration		Uni	it		N	Vlake	,	Mode	el .			Serial N	umber	
		\boxtimes	AIRFRA	ME			(As described in Item 1 a			tem 1 abo	ve)	•			•	
			POWER	WERPLANT												
			PROPE	PROPELLER											:	
			APPLIA	APPLIANCE Type Manufacturer												
							6.	. Con	formity Stat	ement						***************************************
		ne and Ad					1		Agency							
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		<u>adnor S</u>	<u>it</u>					Fore	ign Certificate	ed Mechanic						
	<u>Charles</u>	į			State <u>MO</u>			Certi	ficated Repa	r Station		4&P	3684045	Ď		
Zip <u>633(</u>	<u>01</u>		Country <u>U</u> 1	nited	d States			Certi	ficated Maint	enance Organization	n					
h	ave been	n made in	accordanc	e with		ents of Pa	rt 43 c			and described on the Aviation Regulation				ereto		
	d range f				Signature/E	Date of Au	thorize	ed Indi	vidual							
per 14 C App. B	FR Part	43			Jeu	my 1	\mathcal{M}_{c}	Jul	sool &	3/3/13					···	
<u> </u>								<u> </u>	l for Return							
1					ersons speci ministration a			PROVI		in item 5 was	inspected	l in	the man	ner presc	ribed by ti	he
BY	1 1 1	A FIt Star spector	ndards		Manufacture	r		Main	tenance Org	anization		, [erson Appr epartment	oved by C of Transpo	anadian ort	
		A Design	ee		Repair Statio		Ø	<u></u>	ection Author	ization	Oth	ier (S	pecify)			
	ite or ition No. 684045	SIA		Sign (ature/Date of				5	3/13						

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.

	N7048U	5/3/2013
	Nationality and Registration Mark	Date
emoved Gill aircraft batteries p/n G-25 and rep ccomplished in accordance with Concorde Batt	laced with Concorde Battery p/n RG-25 in accordance ery Corporation, Master List Dwg. No. 5-0148, Revisi	e with STC# SA01118WI. Work was on A, dated August 16, 2002.
structions for continued airworthiness is to be p	performed in accordance with Concorde Maintenance	Manual Supplement Dwg NO. 5-046
leight and balance negligable.		

U.S Department of
Transportation
Federal Aviation
Administration

MAJOR REPAIR AND ALTERATION ame. Powerplant, Propeller, or Applia

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

Electronic Tracking Number

Transport	ation		(Ai	irfra	ime, Pow	erplani	t, Pr	opeller, or	Appliance)		For FAA Use Only
Federal A Administr											
instru	actions a	and dispo	nt or type sition of the	his fo	entries. Sec orm. This re	e Title 14 eport is re	CFR equired	§43.9, Part 4: 1 by law (49 U	3 Appendix B, and A S.C. 1421). Failure	AC 43.9-1 to report	(or subsequent revision thereof) for can result in a civil penalty for each
	7,0,0,0,0	1	lity and Re		tion Mark				Serial No. 310N0171		
1. Aircra	ıft	Make Cessr					-		Model 310		Series N
Name (As shown on registration certificate) Address (As shown on registration certificate)										n certificate)	
2. Owne	er	Barba	ra Hobe	rock	, L.				Address327 Lake \	/iew Dr.	
									cityWashington		State <u>MO</u>
									zip <u>63090</u>	(Country <u>USA</u>
	<u>:</u>						3	For FAA Use (Only		
	4. Type							5.	Unit Identification		
Repa	ir Al	teration		Uni	ít		N	ake	Model		Serial Number
		\boxtimes	AIRFRA	ME			(As described in Iter			em 1 above)	
			POWER	₹PLA	ANT						
			PROPE	LLER							
			APPLIA	NCE		Type Manufactur	ror				
						Iviariuraciur	161				
		·					6.	Conformity St	atement		
		ne and Ad					 	ind of Agency	***************************************		I
			ntral Mis	sour	<u>i</u>			U.S. Certificated		Manufacturer Certificate No.	
		<u>V 50 HV</u>	<u>VY</u>		State MO			Foreign Certifica			MXR907C
	<u>rrensbເ</u> ດວ	<u> 11 y</u>	0	CΛ	State		Ø	Certificated Rep			W/(10070
h	certify that ave beer	n made in	accordanc	Iteration	the requirem	ents of Pa	rt 43 c	ed in item 5 abov	ntenance Organization e and described on the al Aviation Regulations	reverse or	attachments hereto e information
-			rue and co	rrect	to the best of			d Individual			
per 14 C App. B	ed range t CFR Part	43			Signature/t	Jale Of Aut	7			08/1	7/2012
							7. Ap	proval for Retu	n to Service	00/0	- Jacob
			, ,		ersons speci Iministration a	K-	-		d in item 5 was REJECTED	inspected	in the manner prescribed by the
5		A Flt Star	ndards		Manufacture	r		Maintenance O	rganization		Person Approved by Canadian Department of Transport
BY	□ FA	A Design	ee	⊠	Repair Station	on		Inspection Auth	orization	Other	(Specify)
Certifica				Sign	ature/Date of	Authorized	d Indiv	idual	1//		
Designa CMXF	ation No.		ļ	8/7/	/2012	\Rightarrow			4/		

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.)
	N7048U	8/7/2012
	Nationality and Registration Mark	Date
Assure the aircraft mast power switch is in the off populations. IAW Cessna Maintenance Manual.	sition and disconnect the aircraft ground cable	from the ground terminal of the aircraft
 Remove the screws securing the rotating beacon in p stabilizer housing disconnecting the power and ground l Strobe. 	position in the verticle stabilizer housing. Remo eads assuring adequate wire length to make th	ove the rotating beacon from the e connections with the FS-4400 Flight
 Strip the power wire and utilize the supplied connectes Strobe power wire. 	ors (or approved equivalent) to splice the existing	ng power wire lead to the FS-4400 Fligh
4. Attach the existing aircraft ground wire to the FS-440 securely.	00 Flight Strobe ground connector utilizing the s	crew in the strobe housing and tighten
5. Insert the flight strobe in the vertical stabilizer housin vertical slot of the FS-4400 Flight Strobe with the center		pening. Rotate to align the forward
5. Insert three to six of the #6 x 5/16" metal screw throustabilizer housing into the corresponding vertical slots a	ugh the existing holes located appoximately one nd tighten securely.	inch below the top opening of the
7. Install "Turn off strobe in fog or clouds" placard (FS-		the cockpit panel in a clearly visible
 Reconnect aircraft ground cable to battery ground te not trip and radio interference does not exist. 	rminal and test anti-collision light operation ass	uring fuse and/or circuit breaker does
Make an aircraft logbook entry and file an FAA Form	337 per FAR 43 Appendix B.	
	END	
	,	
	1	

Additional Sheets Are Attached

Transportation Federal Aviation

MAJOR REPAIR AND ALTERATION

Form	App	proved	. ,
OMB	No.	2120-	0020
11/30	/200	37	

Electronic Tracking Number

(Airframe, Powerplant, Propeller, or Appliance) 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) Nationality and Registration Mark Serial No. N7048U 310N0171 1. Aircraft Make Model Series Cessna 310N Name (As shown on registration certificate) Address (As shown on registration certificate) Address 327 Lake View Dr 2. Owner Hoberock Barbara J city Washington State MO 63090-5387 **Country United States** 3. For FAA Use Only 5. Unit Identification 4. Type Repair Alteration Unit Make Model Serial Number X (As described in Item 1 above) **AIRFRAME POWERPLANT** PROPELLER П Туре **APPLIANCE** П П Manufacturer 6. Conformity Statement A. Agency's Name and Address B. Kind of Agency Jason D Moellinger U.S. Certificated Mechanic ☐ Manufacturer C. Certificate No. P.O. Box 320 Foreign Certificated Mechanic Address Hermann State MO City Certificated Repair Station 65041 **United States** Certificated Maintenance Organization Zip Country 3121407 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 Signature/Date of Authorized Individual per 14 CFR Part 43 App. B Jason D Moellinger Date: March 06, 2009 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 Person Approved by Canadian FAA Fit Standards Manufacturer Maintenance Organization Department of Transport Inspector BY Other (Specify) FAA Designee Repair Station Х Inspection Authorization

Rodney D. Getter

Date: March 06, 2009

Certificate or Designation No.

392782196

Signature/Date of Authorized Individual

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.

	Description of Work Accomplished
	(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)
	N7048U March 06, 2009 Nationality and Registration Mark 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.
	□ Additional Shorts Are Attached
	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

NSTRUCTIONS: 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	
or each such violation (Section 901 Federal Aviation Act 1958)	

for e	each suc	h violation (Section 9	01 Fe	deral Aviation	Act 1958))				The state of the s		
		Make						Model				
1. Aircr	aft	Cess	na						310N			
		Serial No.	J017	71				Nationali	ty and Registratio N7048U	n Mark		
2. Own	er	Name (As shown Hoberock B	on re	gistration certi	ficate)	7 25	4		(As shown on reg ake View Dr	istration certificate)	E. aprile	
								Washi	ington, MO 6	33090-5387		17 17
		TO RECOVER		Grit You	AB. 1	3	. For FAA Use (Only	Include:	and the same of the	MV-70- 2	
			1	he technical data	Medial	benelo i	ne been bund to e	naply with a	pplicable		E DV	40.
			8	rworthiness requ	irements ar	nd is he	roby approved for a ion by a seman and	se only on d	he above described 4 CFR Part 43.7.	1		
			0	7/14/200	5	magener	era els a flerants and	1-	Del			1
			D	ate				à Impector,	SW-FSDO-11 (LIT)		
					e de la gr	4	. Unit Identifica	tion	· Cresest Sta		5. Type	
Uı	nit	, Ma	ike				Model		Se	rial No.	Repair	Alteration
AIDEDA	NAC.	~~~~	~~~	~~~~~	~~(As de	escrib	ned in item 1 a	above)~~		~~~~		×
AIRFRA	AIVIE			2012/01/2014/01/01	(710 00	,00112	ou m nom r o	12010)		(2)		
POWER	RPLANT				-							
PROPE	LLER											
		Туре										
APPLIA	NCE	Manufacturer										1
							0 1 11 01					
Λ Λαοι	novia Na	ama and Addraga				T	Conformity Sta	atement		C. Cortificate No.		
		rkansas Avionic	c In			_	ind of Agency U.S. Certified M	echanic		C. Certificate No.		
		8 – 104 Airport					Foreign Certified		c	QNBR706X		
Mena,							Certified Repair			Limited AirfraLimited Speci		ico
Ph. #:	479-	394-4061					Manufacturer			Limited Speci		ice
h	ave bee	at the repair and/or a en made in accordand true and correct to th	ce with	n the requirem	ents of Pa	dentifie art 43 o	ed in item 4 above of the U.S. Feder	e and desc al Aviation	ribed on the rever Regulations and t	rse or attachments he that the information for	ereto urnished	100
Date							Signature of Aut	thorjed Inc	dividual			
		July 14,	200)5			1 for	// (U/h_			
						7. Ap	proval for Retur	n to Servi	ce			
		ne authority given per of the Federal Aviati						s inspected	in the manner pr	escribed by the		
		AA FIt Standards	Τ	Manufacture			Inspection Author		T	Other (Specify)		
BY	Ir	spector										1
0.000	F.	AA Designee	Х	Repair Station	n		Person Approve Canada Airwork	d by Trans hiness Gro	sport oup			1
Date of	Approva	al or Rejection		ificate or gnation No.			Signature of Aut	thorized In	dividual	,		
1	1/14	1/05	Desi	QNBR70	6X		At.	//	Ma			
FAA	Form 33	37 ^t (12-88)					1	1	6			

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N	O	П	C	L

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 <u>6/28/05</u> , placard stating "GNS 530 Approved for VFR Only" has been removed from the instrument panel.
FAA Approved Flight Manual Supplement dated <u>06-24-2005</u> 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.

Additional Sheets Are Attached

U.S Department of
Transportation
Federal Aviation
Administration

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Office Identification

NSTRUCTIONS: 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	
or each such violation (Section 901 Federal Aviation Act 1958)	

for e	ach such	violation (Section 9	01 Fe	deral Aviation	Act 1958))	25	750		enalty not to exceed	.,,	
		Make	Cess	na .				Model	310N			
1. Aircra	aft	Serial No. 310NQ171	,,,,,					Nationali	ty and Registratio			1
2. Own	er	Name (As shown Hoberock Ba			ficate)			327 La	(As shown on reg ake View Dr nington, MO	istration certificate) 63090–5387		y day
						3	. For FAA Use	Only	·			
	- E "	r gaser rozekto Z									130 %	
						4	. Unit Identifica	ation			5. Type	
Ur	nit	Ма	ke				Model		Se	rial No.	Repair	Alteration
AIRFRA	ME	the the the the the	~~~~~	والمدور والمراوية وا	(As de	scrit	oed in item 1	above)~~	والمستوالية والمستوالية والمستوالية والمستوالية والمستوالية والمستوالية والمستوالية والمستوالية والمستوالية وا	and the thing that the		х
POWER	PLANT											
PROPE	LLER											
APPLIA	NCE	Туре										
		Manufacturer										
							Conformity St	atement				
		me and Address				-	ind of Agency U.S. Certified M	Annhaufa		C. Certificate No.		
		rkansas Avionio 3 – 104 Airport I				믐	Foreign Certifie		ic	QNBR706X		
Mena,	AR. 7	1953	20110			Ø	Certified Repair			 Limited Airfra Limited Speci 		ice
D. I c	certify the	9-394-4061 at the repair and/or a n made in accordance rue and correct to the	e with	the requirem	ents of Pa	dentifie rt 43 c	Manufacturer ad in item 4 abov of the U.S. Feder	re and descral Aviation	cribed on the rever Regulations and t	se or attachments he that the information for	ereto urnished	
Date	CIGNIS I	June 28, 2			oye.		Signature of Au	thorized In	dividual			
						7 An	proval for Retu	rn to Servi	I///			· · · · · · · · · · · · · · · · · · ·
		e authority given per of the Federal Aviati			w, the unit	identi	fied in item 4 wa		d in the manner pr	escribed by the		
, , , , ,	FA	A Fit Standards	J., 710	Manufacture		-X 1311	Inspection Auth			Other (Specify)		· · · · · · · · · · · · · · · · · · ·
BY		A Designee	X	Repair Statio	าก		Person Approvi					
Date of	Approva	l or Rejection		lificate or gnation No. QNBR7	06X		Signature of M					

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.

	ired, attach additional s		vith aircraft natio	nality and registre	ation mark and d	ate work complete	9đ.)
N7048U	June 28, 20	005					
1.) Installed (with STC SA014		55 XM and	her Receiver tenna is mo	to display ounted on top	on the GNS o fuselage.	530 in accor The GDL 6	dance 9A is
2.) A logbook ent	try has been made	e. The Weig	ht & Balanc	e and Equipr	nent List har	ve been upda	ted.
			END				
•					•		
	Z.						
			dditional Sheets Are A				

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

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1. Aircraft		Cess	sna						310N	3		
. All Clair		Serial No.	N017	'1				Nationali	ity and Registr N7048U	ation Mark		
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		PO. 11 DO.						Wash	ington, Mo	O 63090-5387		
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			8	irworthiness requircraft, subject to	uirements o conformi	and is h	has been found thereby approved for ction by a person	or use only on authorized in	the above description 14 CFR Part 43.	.7.		
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						4	. Unit Identific	ation	io ·		5. Type	
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APPLIAN	ICE	Manufacturer									S ed	61. G
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		394-4061			"() '		Manufacturer	omitte.	An daile notes			
ha	ve bee	at the repair and/or n made in accordar true and correct to t	nce with	the requirem	ents of Pa	art 43 o	of the U.S. Fed	eral Aviation	Regulations a	everse or attachments and that the information	furnished	
Date							Signature of	uthorized Ir	ndividual	7/1		
June	22,	2005						try	4 6	16		
						7. Ap	proval for Ret	urn to Serv	rice		THE STATE OF	
		ne authority given po of the Federal Avia			F		ified in item 4 w	ras inspecte		er prescribed by the		
		AA Fit Standards spector		Manufacture	r		Inspection Au	thorization	BURNEY A	Other (Specify)		2 377
BY	F/	AA Designee	X	Repair Statio	n N		Person Appro			The file of the state of the		
Date of A	pprova	al or Rejection		ificate or ignation No.	16X	•	Signature of	Authorized In	ndividual	1	T TOWN	1.

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.

Description of Work Accordance
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(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.
- SPECIAL INSPECTION REQUIREMENTS: Refer to FAR 43 appendix D and AC 43.13-1B Chapter 12 or IX. applicable approved inspection program.
- APPLICATION OF SPECIAL TREATMENTS: N/A X.
- XI. DATA: N/A
- XII. LIST OF SPECIAL TOOLS: N/A
- XIII. FOR COMMUTER CATEGORY AIRCRAFT: N/A
- RECOMMENDED OVERHAUL PERIODS: N/A XIV.
- AIRWORTHINESS LIMITATION SECTION: N/A XV.
 - REVISION: To revise this ICA, a and revised ICA.

Additional Sheets Are Attached

bbellon, 1771
letter will be sent to the local FSDO with a copy of the revised FAA Form 337
1.