

**Southern Air Group LLC**

15200 Airport Rd
Oxford, GA 30054 US
+1 4702053434
office@southernairgroup.com

INVOICE

BILL TO
Charles Mount
3440 Maynard Circle
Gainesville, GA 30506 USA

SHIP TO
Charles Mount
3440 Maynard Circle
Gainesville, GA 30506 USA

INVOICE 1889
DATE 06/27/2020
TERMS Due on receipt
DUE DATE 06/27/2020

AIRCRAFT #
N3212T

ACTIVITY	DESCRIPTION	QTY	RATE	AMOUNT
Avionics	Avionics Labor	0	85.00	0.00
K10-00280-00 G5 Attitude	G5 Attitude	1	2,299.00	2,299.00T
K10-00280-30 G5 HSI w/GAD29B Kit	G5 HSI	1	3,125.00	3,125.00T
010-02203-K0 Kit, GAD 13, GTP 59, Conn Kit	010-02203-K0 Kit, GAD 13, GTP 59, Conn Kit	1	469.00	469.00T
010-02232-51 GNC355 Kit	010-02232-51 GNC355 Kit	1	6,295.00	6,295.00T
IFR Certification	24 Month IFR Certification **\$375.00** No charge with install	0	0.00	0.00
Supplies	Misc. Materials and Supplies	0	150.00	0.00T
Shipping	Shipping	0	32.30	0.00

Thank you for your business!

SUBTOTAL	12,188.00
TAX	853.16
TOTAL	13,041.16
BALANCE DUE:	\$13,041.16

Payment receipt

You paid \$13,041.16

to Southern Air Group LLC on 6/28/2020

Invoice no.	1889
Invoice amount	\$13,041.16
Total	\$13,041.16

Payment method	Discover 8313
Transaction ID	PJ0033973868



Southern Air Group LLC

1 4702053434

www.southernairgroup.com |
office@southernairgroup.com

15200 Airport Rd, Oxford, GA 30054

**Southern Air Group LLC**

15200 Airport Rd
Oxford, GA 30054 US
+1 4782053404
office@southernairgroup.com

INVOICE

BILL TO
Charles Mount
3440 Maynard Circle
Gainesville, GA 30506 USA

SHIP TO
Charles Mount
3440 Maynard Circle
Gainesville, GA 30506 USA

INVOICE 1921
DATE 08/26/2020
TERMS Due on receipt
DUE DATE 08/26/2020

AIRCRAFT # N3212T **TACH/HOBBS TIME** 2876.9 **CRS WO#** 301

ACTIVITY	DESCRIPTION	QTY	RATE	AMOUNT
Avionics	Avionics Labor	58	85.00	4,930.00
IFR Certification	24 Month IFR Certification **\$375.00** No charge with install	1	0.00	0.00
Supplies	Misc. Materials and Supplies	1	150.00	150.00
Shipping	Shipping	1	32.30	32.30

Thank you for your business!

SUBTOTAL	5,112.30
TAX	10.50
TOTAL	5,122.80
BALANCE DUE	\$5,122.80

Chuck Mount

From: QuickBooks Payments <quickbooks@notification.intuit.com>
Sent: Wednesday, August 26, 2020 9:06 AM
To: Chuck Mount
Subject: Payment confirmation: Invoice 1921 (Southern Air Group LLC)



Payment receipt

[View invoice: 1921](#)

You paid \$5,122.80

to Southern Air Group LLC on August 26, 2020

Payment details

Invoice	1921
Invoice Amount	\$5,122.80
Total	\$5,122.80

Payment method	Visa
Authorization ID	PL0045030814

Thank you



Southern Air Group LLC

+1 4702053434

www.southernairgroup.com | office@southernairgroup.com
15200 Airport Rd Oxford US GA 30054

This message was sent to office@southernairgroup.com, as an Intuit customer, consistent with your email preferences. If you have chosen not to receive marketing messages, you will continue to receive business communications about your selected Intuit product(s), which may either affect your service or software, your account, or which may be legally required. If you receive a suspicious email, please report it by forwarding the email to spoof@intuit.com.

[Security](#) | [Privacy statement](#) | [Terms of Service](#)

© 2019 Intuit Inc., All rights reserved. [Trademarks](#).
2800 E. Commerce Center Place, Tucson, AZ 85706



turbotax



quickbooks



proconnect



mint

Altimeter, Pitot Static Worksheet FAR 91.411 Part 43 Appendix E

FAA RS#

50UR487D

Form #

SAG-03.010

Effective Date

11/10/2018

Revision #

Original

Page 1 of 2

Date

8/25/20
C2302

Work Order #

301
177

Aircraft Registration #

N3212T
17700572

Aircraft Make

Aircraft Model

Aircraft Serial #

#1 Altimeter Make

United

#1 Altimeter P/N

5934PD-1

#1 Altimeter S/N

38519

#2 Altimeter Make

#2 Altimeter P/N

#2 Altimeter S/N

Stby Altimeter Make

Standby Altimeter P/N

Standby Altimeter S/N

At 29.92" HG Altimeter Reads

Pilot -FD

Co-Pilot

Standby

Altitude (feet)	Tolerance (+/- feet)	CALIBRATION			FRICTION		
		Altimeter #1	Altimeter #2	Standby Altimeter	Friction Tolerance (+/- feet)	Altimeter #1	Altimeter #2
-1000	20	-10					
0	20	-10					
500	20	-10					
1000	20	-10			70	10	
1500	25	-5					
2000	30	-10			70	10	
3000	30	0			70	10	
4000	35	-10					
5000	35	-10			70	10	
6000	40	-70					
8000	60	-70					
10000	80	-70			80	10	
12000	90	-10					
14000	100	-10					
16000	110	0					
18000	120	+10					
20000	130	-70			100	10	
22000	140						
25000	155				120		
30000	180				140		
35000	205				160		
40000	230				180		
45000	255						
50000	280				250		

Altimeter, Pitot Static Worksheet FAR 91.411 Part 43 Appendix E

FAA RS# 50UR487D
Form # SAG 03.010
Effective Date 11/10/2018
Revision # Original
Page 2 of 2

Date

3/15/20
Cessna

Work Order #

301
177

Aircraft Registration #

N3212T
17700512

Aircraft Make

Aircraft Model

Aircraft Serial #

HYSTERESIS								
	Tolerance	Altimeter #1		Altimeter #2		Standby Altimeter		Time (Min)
		Reading	Error	Reading	Error	Reading	Error	
50% Max Altitude	+/- 75 Feet	10000	20					5
40% Max Altitude	+/- 75 Feet	8000	20					1

AFTER EFFECT					
	Altimeter #1	Altimeter #2	Standby Altimeter	Time (Min)	Error
Tolerance +/- 30 feet from start of test	0			5	10

CASE LEAK		Time (Min)
	Error	
Tolerance +/- 100 Feet @ 18,000	-25	1

BAROMETRIC SCALE ERROR					
Pressure (In HG)	Altitude Difference (feet)	Tolerance	Altimeter #1	Altimeter #2	Standby Altimeter
28.10	-1727	25	-10		
28.50	-1340	25	-10		
29.0	-863	25	-10		
29.50	-392	25	-10		
29.92	0	25	-10		
30.50	531	25	-10		
30.90	893	25	-10		
30.99	974	25	-10		

Airspeed Scale	50	60	70	80	90	100	125	150	175	200	225	250	275	300	325	350	375	400	425	450	475	500
Airspeed Reading	54	64	74	84	94	104	126	150														

Approved



Rejected

By:



TRANSPONDER (MODE S) CERTIFICATION SHEET FAR 91.413 Part 43 Appendix E

FAA RSR 50UR487D
Form # SAG 04.010
Revision # Original
Date 11/10/2018
Page 1 of 1

Date 8/25/20 Work Order # 301 Aircraft Registration # N3212T
Aircraft Make Cessna Aircraft Model 177 Aircraft Serial # 1770052

TRANSPONDER INSPECTION

Make: Germic Model 6TX 345 Serial # 3EG420644

Mode S Aircraft Registration # N3212T Ident Yes ☒ No ☐

Aircraft Address A374B7

Transponder Mode A Code 1200 Transponder Mode C Altitude 700

Mode 3A & SLS Pass ☒ Fail ☐

Mode 3C Pass ☒ Fail ☐

Mode 3A All Call Pass ☒ Fail ☐

Mode 3C All Call Mode S Pass ☒ Fail ☐

Mode 3A Only Pass ☒ Fail ☐

Mode 3C Only Pass ☒ Fail ☐

Mode S Surveillance Identity Code 1200 100 % Reply FS Air

Mode S Surveillance Altitude Alt 700 100 % Reply FS Air

Mode S Surveillance Short Address A374B7 100 % Reply FS Air

Alt 700 FS Air

Mode S Comm Identity Identity N3212T 100 % Reply Code 1200

Mode S Comm Altitude Address A374B7 100 % Reply Alt 700

Undesired Replies Yes ☒ No (None) ☐

Squitter Test (ACQ) Pass ☒ Fail ☐

Address A374B7 II 2 Div 1120 ms

Diversity (if applicable) Pass ☐ Fail ☐

Max TAS GT 75 LE 150

Vertical Status Bit VS = Air

Power, Receiver, & Frequency Test Power Output 210 db Watts Rcr Sens -74 db Freq 1090.0 mhz

Notes:

Passed ☒ Failed ☐

Technician SLK



U.S. Department
of Transportation
Federal Aviation
Administration

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

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

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 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 N3212T	Serial No. 17700512	
	Make Cessna	Model 177	Series
2. Owner	Name (As shown on registration certificate) MOUNT CHARLES H JR		Address (As shown on registration certificate) Address 3440 MAYNARD CIR
			City GAINESVILLE State GA Zip 30506-3734 Country UNITED STATES

3. For FAA Use Only

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

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency		
Name	Southern Air Group LLC	U.S. Certificated Mechanic	Manufacturer	
Address	15200 Airport Rd	Foreign Certificated Mechanic	C. Certificate No. 50UR487D	
City	Oxford State GA	☒ Certificated Repair Station		
Zip	30064 Country United States	☐ 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 ☐	Signature/Date of Authorized Individual	Steven Givens 08/25/2020
--	---	--------------------------

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 Other (Specify)	
	FAA Designee	☒ Repair Station	Inspection Authorization		
Certificate or Designation No. 50UR487D		Signature/Date of Authorized Individual Steven Givens 08/25/2020			

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.)

N3212T United States

08/25/2020

Nationality and Registration Mark

Date

Removed Standby Vacuum system.

Installed dual Garmin G5 flight instruments in accordance with installation manual Document No. 190-01112-10 Rev 23 dated 06/01/2020. Installed GAD 13 OAT interface with GTP 59 probe. Installed GMU 11 in RH wing tip. Installed GAD 29B on lower glove box. This installation is approved under STC No. SA01818WI. Completed and installed AFMS Document No. 190-01112-13, Rev 6, dated 07/19/2019. Completed ICA Document No. 190-01112-11, Rev 7, dated 05/08/2020.

Installed Garmin GNC 355 Navigation System in accordance with installation manual Document No. 190-02207-A5 Rev. 3, dated 02/24/2020. Installed GA 35 antenna on upper fuselage with, routed new RG-400 cable. This installation is approved under STC No. SA02636SE. Completed and installed AFMS Document No. 190-02207-A3 Rev. 3, dated 03/03/2020. Completed and installed ICA Document No. 190-02207-A2, Rev 2, dated 07/25/2019.

Weight and balance revised at this time.

END

☒ Additional Sheets Are Attached

1. Approving Civil Aviation
Authority/Country:
FAA/United States

2.

AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number:
177023782-10

4. Organization Name and Address:

GARMIN International 1200 E. 151st St. Olathe, KS 66062
Certificate Number PQ3742CE

5. Work Order/Contract/Invoice
Number: 177023782

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	GAD 13, FAA-PMA, Unit Only	011-04938-00	1	5YG001823	New

12. Remarks:

Airworthiness Approval
This PMA part is not a critical component.
Included in part number 010-02203-00

13a. Certifies the items identified above were manufactured in conformity to:

- ☒ Approved design data and are in a condition for safe operation.
☐ Non-approved design data specified in Block 12.

14a. ☐ 14 CFR 43.9 Return to Service

☐ Other regulation specified in Block 12

Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

13b. Authorized Signature: <i>Alice F. Inch</i>	13c. Approval/Authorization No.: ODA-240087-CE	14b. Author/Inst Signature:	14c. Approver's Certificate No.:
13d. Name (Typed or Printed): Alice F. Inch	13e. Date (dd/mm/yyyy): 03/Aug/2020	14d. Name (Typed or Printed):	14e. Date (dd/mm/yyyy):

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: 177023782-6	
4. Organization Name and Address: GARMIN International 1200 E. 151st St. Olathe, KS 66062 Certificate Number PT3742CE				5. Work Order/Contract/Invoice Number: 177023782	
6. Item: 1	7. Description: Sub-Assy.GTP59	8. Part Number: 011-00978-00	9. Quantity: 1	10. Serial Number: 47953261	11. Status/Work: New
12. Remarks: Airworthiness Approval This part is a subcomponent of a TSO article. TSO C106, ETSO-C106					
13a. Certifies the items identified above were manufactured in conformity to: ☒ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 12.					
13b. Authorized Signature: <i>Steven Cummins</i>		13c. Approval/Authorization No.: ODA-240087-CE		14a. ☐ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.	
13d. Name (Typed or Printed): Steven Cummins		13e. Date (dd/mm/yyyy): 03/Aug/2020		14b. Authorized Signature:	
				14c. Approval Certificate No.:	
14d. Name (Typed or Printed):					
14e. Date (dd/mm/yyyy):					
User/Installer Responsibilities					
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.					

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: 177023782-8	
4. Organization Name and Address: GARMIN International 1200 E. 151st St. Olathe, KS 66062 Certificate Number PQ3742CE				5. Work Order/Contract/Invoice Number: 177023782	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	CONNECTOR KIT, 9 PIN, w/CAN TERM, PMA	011-03002-10	1	N/A	New
12. Remarks: Airworthiness Approval This PMA part is not a critical component					
13a. Certifies the items identified above were manufactured in conformity to: ☒ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 12.					
13b. Authorized Signature: <i>Steven Cummins</i>		13c. Approval/Authorization No.: ODA-240087-CE		14a. ☐ 14 CFR 43.9 Return to Service: ☐ Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.	
13d. Name (Typed or Printed): Steven Cummins		13e. Date (dd/mm/yyyy): 03/Aug/2020		14b. Authorized Signature:	
				14c. Approval/Certificate No.:	
				14d. Name (Typed or Printed):	
				14e. Date (dd/mm/yyyy):	
User/Installer Responsibilities					
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.					

1. Approving Civil Aviation Authority/Country: FAA/United States		2.		3. Form Tracking Number: 177023782-5	
4. Organization Name and Address: GARMIN International 1200 E. 151st St. Olathe, KS 66062 Certificate Number PQ3742CE				5. Work Order/Contract/Invoice Number: 177023782	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	G5 for Certificated Aircraft	011-03809-00	1	4JQ042332	New
12. Remarks: Airworthiness Approval This PMA part is not a critical component Included in P/N K10-00280-00					
13a. Certifies the items identified above were manufactured in conformity to:			14a. ☐ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 12		
☒ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 12.			Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.		
13b. Authorized Signature: <i>Steven Cummins</i>		13c. Approval/Authorization No.: ODA-240087-CE		14c. Approval/Certificate No.:	
13d. Name (Typed or Printed): Steven Cummins		13e. Date (dd/mm/yyyy): 03/Aug/2020		14d. Date (dd/mm/yyyy):	
User/Installer Responsibilities					
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.					

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: 177023782-4	
4. Organization Name and Address: GARMIN International 1200 E. 151st St. Olathe, KS 66062 Certificate Number PQ3742CE				5. Work Order/Contract/Invoice Number: 177023782	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	G5 for Certificated Aircraft	011-03809-00	1	4JQ041938	New
12. Remarks: Airworthiness Approval This PMA part is not a critical component Included in P/N K10-00280-00					
13a. Certifies the items identified above were manufactured in conformity to:			☐ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.		
13b. Authorized Signature: 			13c. Approval/Authorization No.:		14c. Approval/Certificate No.:
			ODA-240087-CE		
13d. Name (Typed or Printed): Steven Cummins			13e. Date (dd/mm/yyyy): 03/Aug/2020		14d. Date (dd/mm/yyyy):
User/Installer Responsibilities					
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.					

1. Approving Civil Aviation Authority/Country: FAA/United States		2.		3. Form Tracking Number: 177023782-9	
4. Organization Name and Address: GARMIN International 1200 E. 151st St. Olathe, KS 66062 Certificate Number PQ3742CE				5. Work Order/Contract/Invoice Number: 177023782	
6. Item: 1		7. Description: GAD 29B, PMA		8. Part Number: 011-03236-11	
		9. Quantity: 1		10. Serial Number: 5DL011547	
				11. Status/Work: New	
12. Remarks: Airworthiness Approval This PMA part is not a critical component Included in P/N 010-01172-11					
13a. Certifies the items identified above were manufactured in conformity to: ☒ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 12.					
13b. Authorized Signature: <i>Steven Cummins</i>		13c. Approval/Authorization No.: ODA-240087-CE		14a. ☐ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.	
13d. Name (Typed or Printed): Steven Cummins		13e. Date (dd/mm/yyyy): 03/Aug/2020		14b. Authorized Signature:	
				14c. Approval/Certificate No.:	
				14d. Name (Typed or Printed):	
				14e. Date (dd/mm/yyyy):	
User/Installer Responsibilities					
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.					

1. Approving Civil Aviation Authority/Country: FAA/United States		2		3. Form Tracking Number: 177023782-12	
4. Organization Name and Address: GARMIN International 1200 E. 151st St. Olathe, KS 66062 Certificate Number PT3742CE				5. Work Order/Contract/Invoice Number: 177023782	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	GNC 355, Standard Kit, Americas	010-02232-02 Includes 011-04956-00	1	5YR001863	New
12. Remarks: Airworthiness Approval TSO C146e					
13a. Certifies the items identified above were manufactured in conformity to:			14a. ☐ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.		
13b. Authorized Signature: <i>Alice F. Inch</i>		13c. Approval/Authorization No.: ODA-240087-CE		14b. Authorized Signature:	
13d. Name (Typed or Printed): Alice F. Inch		13e. Date (dd/mm/yyyy): 03/Aug/2020		14c. Approval/Certificate No.:	
14d. Name (Typed or Printed):					
14e. Date (dd/mm/yyyy):					
User/Installer Responsibilities					
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.					

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: 177023782-2	
4. Organization Name and Address: GARMIN International 1200 E. 151st St. Olathe, KS 66062 Certificate Number PQ3742CE		5. Work Order/Contract/Invoice Number: 177023782				
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
1	GMU 11, PMA	011-04349-01	1	56J019394	New	
12. Remarks: Airworthiness Approval This PMA part is not a critical component Included in P/N 010-01788-01						
13a. Certifies the items identified above were manufactured in conformity to:		14a. ☐ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.				
☒ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 12.		13c. Approval/Authorization No.: ODA-240087-CE		14c. Approval/Certificate No.:		
13b. Authorized Signature: <i>Steven Cummins</i>		13e. Date (dd/mm/yyyy): 03/Aug/2020		14d. Date (dd/mm/yyyy):		
13d. Name (Typed or Printed): Steven Cummins		14d. Name (Typed or Printed):		14e. Date (dd/mm/yyyy):		
User/Installer Responsibilities						
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.						

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: 177023782-1	
4. Organization Name and Address: GARMIN International 1200 E. 151st St. Olathe, KS 66062 Certificate Number PQ3742CE				5. Work Order/Contract/Invoice Number: 177023782	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	WAAAS Antenna, GA35, White	013-00235-00	1	193688	New
12. Remarks: Airworthiness Approval This PMA part is not a critical component					
13a. Certifies the items identified above were manufactured in conformity to: ☒ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 12.			14a. ☐ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.		
13b. Authorized Signature: <i>Steven Cummins</i>		13c. Approval/Authorization No.: ODA-240087-CE		14c. Approval/Certificate No.:	
13d. Name (Typed or Printed): Steven Cummins		13e. Date (dd/mm/yyyy): 03/Aug/2020		14d. Name (Typed or Printed):	
14e. Date (dd/mm/yyyy):					
User/Installer Responsibilities					
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.					

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: 177023782-7	
4. Organization Name and Address: GARMIN International 1200 E. 151st St. Olathe, KS 66062 Certificate Number PQ3742CE				5. Work Order/Contract/Invoice Number: 177023782	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Works:
1	Sub-Assy, GMU 11, Installation Kit	011-04349-90	1	N/A	New
12. Remarks: Airworthiness Approval This PMA part is not a critical component					
13a. Certifies the items identified above were manufactured in conformity to:			14a. ☐ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.		
☒ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 12.			14b. Authorized Signature:		
13b. Authorized Signature: <i>Alice F. Inch</i>			14c. Approval/Certificate No.:		
13c. Approval/Authorization No.: ODA-240087-CE			14d. Name (Typed or Printed):		
13d. Name (Typed or Printed): Alice F. Inch			14e. Date (dd/mm/yyyy): 03/Aug/2020		
User/Installer Responsibilities					
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.					

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: 177023782-3	
4. Organization Name and Address: GARMIN International 1200 E. 151st St. Olathe, KS 66062 Certificate Number PQ3742CE				5. Work Order/Contract/Invoice Number: 177023782	
6. Item: 1	7. Description: Sub-Assy, Conn Kit, GAD 29	8. Part Number: 011-03271-00	9. Quantity: 1	10. Serial Number: N/A	11. Status/Work: New
12. Remarks: Airworthiness Approval This PMA part is not a critical component					
13a. Certifies the items identified above were manufactured in conformity to: ☒ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 12.			14a. ☐ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the item was approved for return to service.		
13b. Authorized Signature: <i>Steven Cummins</i>		13c. Approval/Authorization No.: ODA-240087-CE		14c. Approval/Certificate No.:	
13d. Name (Typed or Printed): Steven Cummins		13e. Date (dd/mm/yyyy): 03/Aug/2020		14d. Date (dd/mm/yyyy):	
User/Installer Responsibilities					
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.					

1. Approving Civil Aviation Authority/Country: FAA/United States		2.			AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: 177023782-11	
4. Organization Name and Address: GARMIN International 1200 E. 151st St. Olathe, KS 66062 Certificate Number PQ3742CE					5. Work Order/Contract/Invoice Number: 177023782				
6. Item: 1	7. Description: SMP, G5 ADAPTOR PLATE, WITH LABEL	8. Part Number: 115-02642-00	9. Quantity: 2	10. Serial Number: N/A	11. Status/Work: New				
12. Remarks: Airworthiness Approval This PMA part is not a critical component									
13a. Certifies the items identified above were manufactured in conformity to: ☒ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 12.					14a. ☐ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.				
13b. Authorized Signature: <i>Alice F. Inch</i>		13c. Approval/Authorization No.: ODA-240087-CE			14b. Authorized Signature:		14c. Approval/authorize No.:		
13d. Name (Typed or Printed): Alice F. Inch		13e. Date (dd/mm/yyyy): 03/Aug/2020			14d. Name (Typed or Printed):		14e. Date (dd/mm/yyyy):		
User/Installer Responsibilities									
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.									

CERTIFICATION OF CONFORMANCE

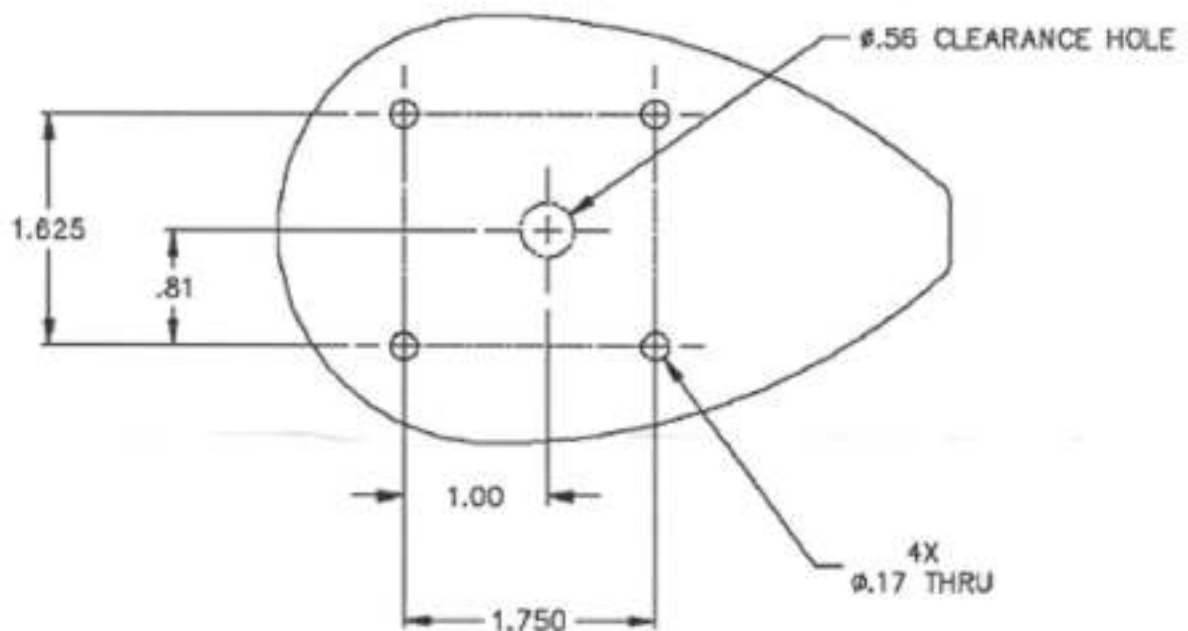
AAT Part Number: AT575-93GW-TNCF-000-RG-27-NM
Customer PO Number: 300633
Customer Part Number: 013-00235-00 GA35
Serial Number: 193688

AeroAntenna Technology, Inc. certifies that the above mentioned antenna was manufactured in accordance with specifications and standard quality assurance practices and procedures, and meets all requirements as stated in the above purchase order as well as shipment and delivery instructions.

Quality Assurance: *Benjamin Rubeni* Date: 3/25/2020

CERTIFICATION OF CONFORM

NOT TO SCALE. Use an accurate measuring instrument for installation. A calibrated torque wrench must be used during installation. Torque value for mounting screws is 13-15 in.-lbs. The 4 supplied mounting screws must be used and no substitutes are allowed. Do not deviate from these installation methods or use alternate screws as damage to the antenna may result.



AIRCRAFT SPECIFIC INFORMATION

GENERAL INFORMATION

Date 8 / 25 / 20

By Steve Eivens

AIRCRAFT

AIRCRAFT MAKE: Cessna

AIRCRAFT MODEL: 177

AIRCRAFT SERIAL #: 17700512

AIRCRAFT REG. #: N3212T

GPS 175/GNX 375/GNC 355

Unit P/N: 011-04956-00

Mod Level: _____

Unit Model: GNC 355

Serial #: 5YR001863

FLIGHT STREAM 510: ☒ [N/A]

Unit P/N: _____

Mod Level: _____

Unit Model: _____

Serial #: _____

GAE 12: ☒ [N/A]

Unit P/N: _____

Mod Level: _____

Unit Model: _____

Serial #: _____

SETUP MENU - CONTINUED

LIGHTING CONFIGURATION

Display Source: ☒ Photocell ☐ Lighting Bus Keys Source: ☒ Photocell ☐ Lighting BusDisplay Minimum Level: 10 % Keys Minimum Level: 10 %

Configure Photocell:

Response Time: _____ sec Slope: _____ Offset: _____

Photocell Override:

Key Backlight Cutoff: _____ % Photocell Transition: _____ %

Configure Lighting Bus:

Response Time: _____ sec Slope: _____ Offset: _____

Lighting Bus: ☐ 14V DC ☐ 28V DC ☐ 5V DC ☐ 5V AC

GPS ANTENNA OFFSET

Antenna Height:

Height above ground: 6 FT

Lateral Offset:

Offset: 0 FT Direction: ☐ Right ☐ Left

Longitudinal Offset:

Offset from nose: 6 FT

MAIN INDICATOR (ANALOG)

Selected course: ☒ Allowed ☐ Ignored

AHRS

Display Orientation: ☐ Unknown ☒ Aft ☐ UpYaw Offset: 0 °

SETUP MENU - CONTINUED

MAIN SYSTEM

Air/Ground Threshold: 30 KT System ID: A31 005ED E2020
 Fuel Type: ☒ AV Gas ☐ Jet A ☐ Jet B GPS Select: ☐ Auto ☐ Prompt
 RF PROC Legs: ☐ Enabled ☒ Disabled Terrain Alerts: ☒ Enabled ☐ Disabled
 Graphical Edit: ☒ Enabled ☐ Disabled Composite CDI: ☐ Enabled ☒ Disabled
 Bluetooth: ☒ Enabled ☐ Disabled External FPL: ☒ Enabled ☐ Disabled
 ADS-B Logging: ☐ [N/A] ☒ Enabled ☐ Disabled

XPDR – SENSORS

Alt Sensor: ☐ None ☐ Gillham ☐ GAE
 OAT Sensor: ☐ Enabled ☐ Disabled
 Squat Installed: ☐ Enabled ☐ Disabled
 Squat On Ground: ☐ [N/A] ☐ Open ☐ Ground (0V)

XPDR – AIRFRAME

Aircraft Category: _____
 Aircraft Width: <= _____ Meters Aircraft Length: <= _____ Meters
 Max Airspeed: <= _____ KT Stall Speed: _____ KT

XPDR – OPTIONS

1090 ES Out Control: ☐ Always Disable ☐ Always Enable ☐ Pilot Controlled
 Automatic Moding: ☐ Enabled ☐ Disabled

XPDR – FLIGHT ID

Aircraft Registration: _____ ICAO Address: _____
 Default Flight ID: ☐ [N/A] _____ VFR Squawk Code: _____



APPENDIX A G5 AND GPS/VHF NAVIGATOR CONFIGURATION DOCUMENTATION

Appendix A contains the following:

- A G5 configuration recording sheet (A1), in the case of a dual G5 installation a configuration sheet should be completed for each G5 installed.
- A section to record the manually calculated Pitch and Roll Calibration settings (A2).

The documentation will be completed during the initial installation and maintained with the aircraft records.

A.1 G5 ELECTRONIC FLIGHT INSTRUMENT

Date: 8/25/20	Aircraft Make/Model: Cessna 177	Aircraft Reg #/Serial #: N321ET 17700512
G5 Part #: 01-07505-00	G5 Serial #: 450042122 / 450041938	G5 software version: 6.7
CONFIGURATION PAGE	CONFIGURATION OPTION	CONFIGURATION SETTING
Device Information	Installation Type	Certified Instrument
	Diagnostics/Data Log	Enabled
Attitude Configuration	Indicator Type	Normal
	Pitch Display	Normal
	Roll Display	
	Standard Turn Roll Reference	Hide
Air Data	Automatic Declutter	
	Air Data Sensors	Enabled
	Outside Air Temp Sensor	Enable
Airspeed Note: Configure Units prior to setting airspeeds	Vertical Speed Indicator	
	VNE	
	VNO	
	VSO	
	VS1	
	VFE	
	VA	
	VX	
	VY	
	VG	
	VR	
	VMC	-
Magnetometer	VYSE	-
	Magnetometer	Enable
Flight Controls	Orientation	PWD
	Garmin Autopilot Servos	NONE
Backlight	Analog Autopilot Interface	STEC 30
	Current Mode	Automatic
	Default Mode	Automatic
	Minimum Photocell Input	Default
	Minimum Display Brightness	Default
	Maximum Photocell Input	Default
	Maximum Display Brightness	Default
Display	Filter Time Constant	Default
	HSI Page	Disable
	Power Up Page	PFD
Battery	Show Battery Status	When Using Battery



Date:	Aircraft Make/Model:	Aircraft Reg #/Serial #:
G5 Part #:	G5 Serial #:	G5 software version:
CONFIGURATION PAGE	CONFIGURATION OPTION	CONFIGURATION SETTING
	Automatic Power Off	On Ground Only
GPS	Internal GPS Receiver	Disable
	GPS Data Fields	Show
Navigation	Navigation Data	Enable
	Selected Course	Allowed
	VNAV Deviation Scale	
Units	Altitude	FT
	Distance	NM
	Airspeed	MPH
	Ground Speed	KTS
	Ground Track	Magnetic
	Vertical Speed	FT/M
	Pressure	IN
	Temperature	F
RS-232	Input Format	Alpha Mx
	Output Format	Alpha
ARINC 429	Output 1	EFIS/Arclata 2 SAE 1
	Output 2	-
	Input 1	GPS SAE 1
	Input 2	-
	Input 3	-
	Input 4	-

A.2 ADJUSTED "ROLL CALIBRATION" AND "PITCH CALIBRATION" VALUES

If the method to manually calculate the adjusted "Roll Calibration" and "Pitch Calibration" values was used, record the values here.

Axis	Value
Pitch	
Roll	



A.5 GNS 480 CONFIGURATION (IF USED)

Config Page	Config Option	Configuration Setting
GND Maint Serial Setup	CH (x) (x represents any available Serial Channel)	Output =
GND Maint ARINC 429 Setup	CH In (2) (or any available 429 Port)	SEL = SPEED = SDI =
	CH Out (1) (or any available 429 Port)	SEL = SPEED = SDI =
	CH Out (2) (or any available 429 Port)	SEL = SPEED = SDI =
GND Maint Resolver Interface Setup	Resolver	
GND Maint Miscellaneous Setup	CDI Select	

A.6 GNC 255 CONFIGURATION (IF USED)

Config Page	Config Option	Configuration Setting
Sys Configuration	RS 232 Serial Port	
NAV Configuration	CDI Indicator	
	ARINC 429	TX =
		SDI =

A.7 SL30 CONFIGURATION (IF USED)

Config Page	Config Option	Configuration Setting
Sys Configuration	RS 232 Serial Port	
Attitude Configuration	Indicator Type	

A.8 GPS 175/ GNC 355/ GNX 375 (IF USED)

Config Page	Config Option	Configuration Setting
Interfaces - ARINC 429	ARINC RX Port (x) (x represents any available ARINC 429 Port)	Speed = Low Format = GDU 1
	ARINC TX Port 1	Speed = Low Format = ARINC 1
	SDI	1
Interfaced Equipment - RS-232	Port (x) (x represents interfaced RS-232 Port)	1 Mapmax
Main System	Composite CDI	Disable
Main Indicator (Analog)	Selected Course	Allowed



Southern Air Group LLC
15200 Airport Rd
Oxford, GA 30054 US
+1 4702053434
office@southernairgroup.com

INVOICE

BILL TO

Charles Mount
3440 Maynard Circle
Gainesville, GA 30506 USA

SHIP TO

Charles Mount
3440 Maynard Circle
Gainesville, GA 30506 USA

INVOICE # 1945**DATE** 08/28/2020**DUE DATE** 08/28/2020**TERMS** Due on receipt**AIRCRAFT #**

N3212T

ACTIVITY	DESCRIPTION	QTY	RATE	AMOUNT
010-01322-01 Flightstream 510	Flightstream 510	1	1,289.00	1,289.00T

Thank you for your business!

SUBTOTAL	1,289.00
TAX	90.23
TOTAL	1,379.23
BALANCE DUE	\$1,379.23

CRS 50UR487D

Payment receipt

You paid \$1,379.23

to Southern Air Group LLC on 8/28/2020

Invoice no.	1945
Invoice amount	\$1,379.23
Total	\$1,379.23

Payment method	VISA****8601
Transaction ID	PL0045473063



Southern Air Group LLC

1 4702053434

www.southernairgroup.com |
office@southernairgroup.com

15200 Airport Rd, Oxford, GA 30054

ROY SOBCHUK / RS DESIGNS & CONSULTATIONS
 58 HAZELWOOD CRES.
 BRANDON, MB. R7A 2J9
 CANADA PH 204 726 4221
 Email: rsdesign@mts.net

Invoice

DATE	INVOICE #
9/21/2020	3509

BILL TO:

SHIP TO

CHARLES MOUNT
 3440 MAYNARD CIRCLE
 GAINESVILLE, GA. 30506
 USA
 PH 904 813 0636

SHIP TO:

P.O. NUMBER	TERMS	REP	SHIP	VIA	F.O.B.	PROJECT
EMAIL	Due on receipt	RS	9/21/2020	POST	BRANDON	
QUANTITY	ITEM CODE	DESCRIPTION			PRICE EACH	AMOUNT
1	EFB 001	ENGINE FLYWHEEL BAFFLE C 177 / non approved aviation part./ TRACKING # RSD 0920-081 / RESIN LOT 1197907 / Field approval required. AT REQUEST CUSTOMER MADE PART.			350.00	350.00
1	SHIPPING	Report Damage or Missing Parts Immediately / POST TRACKED INSURED			40.00	40.00
1	US EXCH PLNS	US EXCHANGE AIRCRAFT PARTS			0.00	0.00
		SUBTOTAL				390.00
UNFINISHED CIVIL AIR CRAFT PARTS TARIFF # 8803.30005-5 GST # 121429468						

WAIVER: Waiver of liability— R.S. Designs & Consultations is not responsible for any damage, injury or loss which may occur from the installation and use of the parts on this invoice, as we cannot control installation, use or maintenance of the parts, we must relinquish all responsibilities upon shipment of the products and components. Parts listed on this invoice remain on our inventory until paid for. Credit policy or conditions apply to all orders & purchases. 25% return fee. (no returns after 60 days)

TOTAL

\$390.00



ABA CRS 28K316R
GAV CRS GX4R222M

Invoice #

15822

Charles Mount
3440 Maynard Circle
Gainesville, GA 30506

Invoice Date 11/6/2020
Hours / Tach 774.3 / 2894.87
Registration Number N3212T
WO Completion Date 11/6/2020
Work Order Number 14057
Terms DUE ON RECEIPT

EMAILED

11/6/2020

Item	Description	Labor / Qty	Rate	Amount
Labor Piston	"Receiving message "No 1090ES TX" Troubleshoot to transponder Removed Garmin GTX 345W P/N 011-03302-40 S/N 3EG420644 Installed Garmin GTX 345W transponder P/N 011-03302-40 S/N 3EG420349 Configured and tested transponder Performed ADS-B configuration compliance check Performed AHRS alignment procedure	1.92	93.00	178.56
Incoming Freight	Shipping / Handling, Incoming	1	25.00	25.00T
011-03302-40	Transponder GTX345W S/N 3EG420349 - Warranty Exchange	1	0.00	0.00T
Outgoing Freight	Shipping / Handling, Outgoing - Core Return	1	18.00	18.00T
NOTE: Garmin agreed to provide exchange unit under warranty. Should Garmin reject the core for any reason, you will be responsible for additional billing of up to \$5,057.25.				

We Appreciate Your Business!

FEIN: 56-2414406

Remit Payment To:
abAviation LLC
841-B Ronald Wood Road
Winder, GA 30680
Phone 770-534-2720 Fax 770-867-1212
www.abaviation.net
www.gaavionics.com

Subtotal	\$221.56
Sales Tax (7.0%)	\$3.01
Total	\$224.57
Payments/Credits	\$0.00
Balance Due	\$224.57

Mechanic's lien may be filed on outstanding balances more than 30 days past due

Visa, Mastercard, & AMEX Accepted
3% Processing Fee Will Be Added to Total
4% Processing Fee Will Be Added for AMEX

1. Approving Civil Aviation Authority/Country: FAA/UNITED STATES	2.	AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG				3. Form Tracking Number: S O # 15251939
4. Organization Name and Address: GARMIN International 1200 E 151st Olathe, KS 66062	Certificate No. G6XR582Y				5. Work Order/Contract/Invoice Number: S O # 15251939	
6. Item: 1. GTX345 GPS	7. Description: This "Certifies that the work specified in block 11/12 was carried out in accordance with EASA Part-145 and in respect to that work the component is ready for release to service under EASA Part-145 Approval Number EASA.145.5534". This unit is Newly Overhauled. It has been analyzed, reworked, tested, and conforms to the Newly Overhauled process set forth by Garmin.	8. Part Number: 011-03302-40	9. Quantity: 1	10. Serial Number: 3EG420349	11. Status/Work: OVERHAULLED	
12. REMARKS: The work that was performed on this unit was done to meet the requirements of all sections of the maintenance manual part number 190-00364-00 Rev. AW, Revision Date 2/25/2020. Reference: 010-N1216-40 is the Garmin stocking/shipping part number for the 011-03302-40 unit that was processed.						
13a. Certifies the items identified above were manufactured in conformity to: ☐ Approved design data and are in condition for safe operation ☐ Non-approved design data specified in block 12						
13b. Authorized Signature N / A		13c. Approval/Authorization No.: N / A		14a. ☒ 14 CFR 43.9 Return to Service Other regulations specified in Block 12 Certifies that unless otherwise specified in block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.		
13d. Name (Typed or Printed) N / A		13e. Date (dd/mm/yyyy) N / A		14b. Authorized Signature: 		
14c. Approval/Certificate No.: G6XR582Y		14d. Name (Typed or Printed) Hoang Tran		14e. Date (dd/mm/yyyy) 20 Aug 2020		
User/Installer Responsibilities						
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the Airworthiness Authority of the country specified in block 1. Statements in Block 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.						

Twin Aircraft Engines LLC
112 West Aviation Way
Newnan, Ga 30263 USA

CHARLES MOUNT
3440 MAYNARD CIRCLE
GAINSVILLE, GA 30506 USA

INVOICE

79

Work Order# : 1634
Page # : 1 of 1
Date : Nov-19-2020
Terms : Due on receipt
Account : MOCH
Your PO# :
Our TEL : 770-683-4893
Your TEL :

DETAILS

WO: 1634 TASK: 1 OW IRAN 320 CYLINDER START: 11/18/2020 FINISH: 11/19/2020

DISCREPANCY:
IRAN 320 CYLINDER

ACTION:
DISSASSEMBLED, CLEANED, AND INSPECTED CYLINDER AND PARTS. GROUND SEATS REFACED INTAKE VALVE. ASSEMBLED CYLINDER WITH NEW EXHAUST VALVE, EXHAUST GUIDE, AND LOCKS. HONED STANDARD NITRIDE BORE TO RING FINISH. FIT RINGS TO CUSTOMERS SERVICABLE PISTON PN: SL75413 AND INSTALLED IN CYLINDER. WORK PERFORMED IN REFERENCE TO LYCOMING DIRECT DRIVE OHM PUBLICATION 60294-7 CURRENT REV. JULY 2011 7-100.

HOURS: 4.00 LABOR: \$360.00 PARTS/EQUIP/OTHER: \$392.21

TASK TOTAL: \$752.21

Labor:	360.00
Parts & Equip:	392.21
Sub Total:	752.21
STATE SALES TAX 7%:	27.45
Invoice TOTAL:	779.66

PLEASE MAKE CHECKS PAYABLE TO: TWIN AIRCRAFT ENGINES
MAIL TO: 15 PERRY STREET, SUITE 315, NEWNAN, GA 30263
FOR CREDIT CARD PAYMENTS PLEASE CONTACT US AT 770-683-4893
****THERE IS AN ADDITIONAL 3% FEE FOR CREDIT CARDS****

Air Craftsmen
MAINTENANCE AND REPAIRS

WORK REQUEST (WR)

AirCraftsmen of Ga
2822 Orchard Circle
Watkinsville, Ga 30677

Ph/txt: 706-621-1272

Email: swinkaircraft@gmail.com

WR# 101720

CUSTOMER NAME AND ADDRESS/CONTACT

Chuck E. Mount PAINT, ORG

Ph/TXT: 904-813-0636

Charles Mount

3440 Maynard Cir

Gainesville, GA (30506)

WORK REQUESTED

Annual Inspection

(Customer will Assist)

REMARKS/ AUTHORIZATION

Prop TT = A/C TT

Eng TT = A/C TT

A/C TT - 2061.5 = Eng TSD

NCTT - 1864.0 =

Prop TSD

(ACFT TT = Tach Time)

AIRCRAFT MAKE

'68 Cessna

MODEL

177

SERIAL#

17700512

REG#

3212T

TOTAL HOURS

2896.0

HOBBS

2896.0

TACH

2896.0

DATE PROMISED

N/A

WORK BEGAN

10/17/20

WORK FINISHED

11/24/20

CONTRACT OR OUTSIDE REPAIRS

1 USR (CFM) 2 Items

\$ 0

TOTAL LABOR=

1

ATTACHED SHEETS

8 items 35.9 hrs @ 85

\$ 3051.50

TOTAL PARTS=

1

ATTACHED SHEETS

5 items (all CFM)

\$ 0

FUEL

NONE

GA SALES TAX

N/A - 0

TOTAL

\$ 3,051.50

Eng TSD 2896.0

Eng TSD 834.5

Prop TSD 2896.0

Prop TSD 1032.0

Oil Time

Changed TO "Annual"

0

LABOR RECORD

WORK REQUEST # (WR) 101720

PAGE L-1 OF 1

TIME

DESCRIPTION OF WORK ACCOMPLISHED

MAN HOURS

1	Perform 100hr/Annual Inspection F/A/W CFR 14 Part 43 Appendix 1	14.0	38
	Flot Rotz Labor Small, Fixed gear, Fixed prop 24.0 mhrs		
	Reduced 10 man hours - Customer Brakes, wheel bag pack & oil		
	+ Filter Chg + Clean & Gap plugs (Comp ✓ OK)		
2	11/17/20 R/R main Battery & Cap ✓ OK @ 103% C, CC Tapped	1.4	38
	* RE-Inst Oil		
3	11/18/20 APT R/H Eng CYL ASSY (#3) Failed Hot differential	4.6	38
	Compression ✓ @ 80/15 PSIG 100% blow by EXHST Valve,		
	Borescope Reveals/Verifies EXHST Valve Seat Leaking (Pitted)		
	(burned) Removed CYL ASSY & Customer had Carried		
	TD "Team Aircraft Eng Service" @ Newnan GA For		
	Repair (see VSR / CFM Repair / mFD)		
4	Remove "Power Flow" Exhaust System & Insp + Service	1.5	38
	Per "Power Flow" 100hr/Annual "1 CA"		
5	RE-Inst Oil (Repaired) CYL ASSY (#3) AD# SL3200DW-A2IP Sn# 1634		
	W/ New Rings & Wrist pin (CFM) / Team Aircraft Eng, NYS LLC WDP#	3.4	38
	1634-1 (10/20/20) R# TAER867D		
6	Change Engine oil TD 100 mmorol (For CYL Break-In)	2.6	38
7	Ground Run & Test Engine per CFR 14 part 43.15.(G)(2)		
	(i) (ii) (iii) (iv)		
8	Complete logs & paperwork, Approved for Return to Service	3.4	38

PAGE TOTAL 35.9

AirCraftsmen of Ga
2822 Orchard Circle
Watkinsville, Ga 30677

PARTS LIST

WORK REQUEST # (WR) 101720

PAGE P-1 OF 1

TIME	QTY
------	-----

PART NAME

PART NUMBER

COND PRICE EA

TOTAL

100 % CFM					N/C
1	7	Eng oil Aero 100M (Imperial) Aero 100M	NGM	—	CFM
2	1	Eng oil Filter	NGM	—	CFM
3	0/R	Consumable & Expandable Supplies 0/R	NGM	—	CFM
4	1	CYL Basket Kit (R#P#3 Cyl)	NGM	—	CFM
5	4	Exhaust Basket (No. 60) Gintred Type	NGM	—	CFM

PAGE TOTAL 2/2/CFM

AirCraftsmen of Ga
2822 Orchard Circle
Watkinsville, Ga 30677

VENDOR SERVICES RECORD

WR# 101720

PAGE V-1 OF

OF /

LINE	QTY	UNIT	PRICE	TOTAL	DATE	REMARKS
1	CFM 1634-1	φ	THM ACFE ENGINES LLC	REPAIR #3 CYL ASSY	N/C	
			(95% LEAKAGE) EX VOLVO	CYL PN# 5L 32000W-A21P		
			(M/TNDR) REPAIRED BY: R & TAER 867	18 NOV 20		
				RE-INSTALLED AFTER REPAIR		

PAGE TOTAL

u/c

AirCraftsmen of Ga
2822 Orchard Circle
Watkinsville, Ga 30677

1. Approving Civil Aviation Authority / Country: FAA / UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: 1634	
4. Organization Name and Address: Twin Aircraft Engines LLC 112 WEST AVIATION WAY Newnan, Ga 30263				5. Work Order/Contract/Invoice Number: 1634-1	
6. Item	7. Description	8. Part Number	9. Qty.	10. Serial Number	11. Status / Work:
1	CYLINDER	SL32000W-A21P	1	1634	REPAIR
12. REMARKS: DISASSEMBLED, CLEANED, AND INSPECTED CYLINDER AND PARTS. GROUND SEATS REFACED INTAKE VALVE. ASSEMBLED CYLINDER WITH NEW EXHAUST VALVE, EXHAUST GUIDE, AND LOCKS. HONED STANDARD NITRIDE BORE TO RING FINISH. FIT RINGS TO CUSTOMERS SERVICABLE PISTON PN: SL75413 AND INSTALLED IN CYLINDER. WORK PERFORMED IN REFERENCE TO LYCOMING DIRECT DRIVE-OHM PUBLICATION 60294-7 CURRENT REV. JULY 2011 7-100.					
14a. ☒ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.					
14b. Authorized Signature: <i>Andrew Lee Mitchell</i>			14c. Approval/Certificate No: TAER867D		
14d. Name (Typed or Printed): ANDREW LEE MITCHELL			14e. Date (dd/mm/yyyy): 18/NOV/2020		

INVOICE

Bob Inman

1155 Highway 23 NW
Suwanee, GA 30024
Phone: 770-932-0742
Fax: 770-932-0730

DATE: November 24, 2020

INVOICE #

FOR:

BILL TO: Charles Mount

DESCRIPTION	T	AMOUNT
Repair & Paint Wheel Pant		\$ 400.00

Make all checks payable to Georgia Paint & Body.

THANK YOU FOR YOUR BUSINESS!

If your check is not paid on presentation or is dishonored, you agree to pay the amount allowed by state law. We may electronically debit or draft your account for this charge. Also, if your check is returned for insufficient or uncollected funds, your check may be electronically re-presented for payment.

SUBTOTAL	\$	400.00
TAX RATE		6.00%
SALES TAX	\$	-
OTHER		-
TOTAL	\$	400.00