



US 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. §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 N6616P	Serial No. 24-1737	
	Make Piper	Model PA-24-250	Series
2. Owner	Name (As shown on registration certificate) Austin Morrison	Address (As shown on registration certificate) Address 155 Heatherow Lane City Statesville State NC Zip 28677 Country USA	

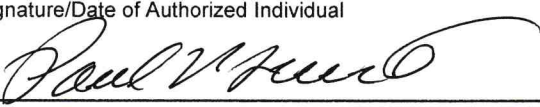
3. For FAA Use Only

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 Twin Lakes Avionics	Address 206 Indian Hills Rd City Advance State NC Zip 27006 Country USA	☐ U. S. Certificated Mechanic	☐ Manufacturer
		☐ Foreign Certificated Mechanic	C. Certificate No.
		☒ Certificated Repair Station	JB4R278M
		☐ Certificated Maintenance Organization	

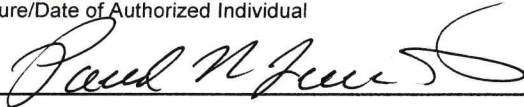
D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and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

Extended range fuel per 14 CFR Part 43 App. B ☐	Signature/Date of Authorized Individual  May 28, 2019
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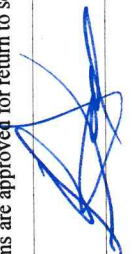
7. Approval for Return to Service

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

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

Certificate or Designation No. 3254795	Signature/Date of Authorized Individual  May 28, 2019
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1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: 161545946-2	
4. Organization Name and Address: GARMIN International 1200 E. 151st St. Olathe, KS 66062 Certificate Number PQ3742CE				5. Work Order/Contract/Invoice Number: 161545946	
6. Item: 1	7. Description: WAAS Antenna, GA35, White	8. Part Number: 013-00235-00	9. Quantity: 1	10. Serial Number: 166980	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		14c. Approval/Certificate No.:	
13d. Name (Typed or Printed): Alice F. Inch		13e. Date (dd/mm/yyyy): 09/May/2019		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: RMA 110827197
4. Organization Name and Address: GARMIN International 1200 E 151st Olathe, KS 66062	Certificate No. G6XR582Y	5. Work Order/Contract/Invoice Number: RMA 110827197
6. Item: 1. GNC420AW,Blk,Upgd	8. Part Number: 011-01059-40	9. Quantity: 1
7. Description:	10. Serial Number: 46200166	11. Status/Work: REPAIRED
12 Remarks: Confirmed the return issue. Upgraded unit to include WAAS capability. Confirmed all applicable hardware modifications are installed. Updated software to the latest version. Aligned unit for optimum performance. Master cleared unit. Unit passes all tests and is operating within normal limits. Unit acquired satellites. OK to return to Service. 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- AU, Revision Date 11/29/2018. Thank You for Choosing Garmin! If you have any questions or concerns please do not hesitate to contact our customer service department at 1-800-800-1020. Please view Garmin's web site at www.garmin.com for any update or product information.		
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		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.
13b. Authorized Signature N / A	13c Approval/Authorization No.: N / A	14b. Authorized Signature:  Troy Clifton Schell
13d Name (Typed or Printed) N / A	13e. Date (dd/mm/yyyy) N / A	14c Approval/Certificate No.: G6XR582Y
		14e Date (dd/mm/yyyy) 08 May 2019
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.		

GARMIN[®]

FAA UNIT SERVICE REPORT

RMA NUMBER	UNIT NAME	SERIAL NUMBER	UNIT NUMBER
110827197	GNC420AW,Blk,Upgd	46200166	011-01059-40
SERVICE START DATE	SERVICE COMPLETION DATE	RETURNED TO SERVICE BY	Service Request Number
5/7/2019	5/8/2019	9306	

UNIT DISCREPANCY

WAAS Upgrade

REPAIR SUMMARY

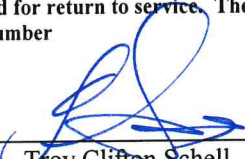
Confirmed the return issue. Upgraded unit to include WAAS capability. Confirmed all applicable hardware modifications are installed. Updated software to the latest version. Aligned unit for optimum performance. Master cleared unit. Unit passes all tests and is operating within normal limits. Unit acquired satellites. OK to return to Service.

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- AU, Revision Date 11/29/2018.

Thank You for Choosing Garmin! If you have any questions or concerns please do not hesitate to contact our customer service department at 1-800-800-1020. Please view Garmin's web site at www.garmin.com for any update or product information.

FAA Approved Product

This appliance has been repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. The details of the repairs to this appliance are on file at this repair station under the above listed RMA Number


Troy Clifton-Schell
FAA Certified Repairman

5/8/2019

Date

3983544

Certificate Number

FAA Repair Station Number
G6XR582Y

Warranty Information