



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

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

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. §44701). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. §46301(a))

1. Aircraft	Nationality and Registration Mark N727RH	Serial No. M-II-1209	
	Make Richard M. Henry, III	Model Bushby Mustang II	Series Mustang II
2. Owner	Name (As shown on registration certificate) Richard M. Henry, III	Address (As shown on registration certificate) Address 2310 Harbor Landing Circle	
		City Anchorage State AK	Zip 99515-2584 Country USA

**3. For FAA Use Only**

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME	_____	(As described in Item 1 above)	_____
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT	_____	_____	_____
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER	_____	_____	_____
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type	_____	_____
			Manufacturer	_____	_____

**6. Conformity Statement**

<b>A. Agency's Name and Address</b>		<b>B. Kind of Agency</b>	
Name	Bondurant Avionics, Inc	<input type="checkbox"/> U. S. Certificated Mechanic	<input type="checkbox"/> Manufacturer
Address	11299 Airport Road	<input type="checkbox"/> Foreign Certificated Mechanic	<b>C. Certificate No.</b>
City	Olive Branch State MS	<input checked="" type="checkbox"/> Certificated Repair Station	SU4R531M
Zip	38654 Country USA	<input type="checkbox"/> Certificated Maintenance Organization	

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

Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/>	Signature/Date of Authorized Individual James T. Bondurant 2/20/2008 <i>James T. Bondurant</i>
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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	X Repair Station	Inspection Authorization	Other (Specify)
Certificate or Designation No. SU4R531M		Signature/Date of Authorized Individual James T. Bondurant 2/20/2008 <i>James T. Bondurant</i>		

NOTICE

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

N727RH

2/20/2008

8. Description of Work Accomplished

Nationality and Registration Mark

Date

Removed Garmin GA 56 GPS Ant.

1. Updated a Garmin GNS 430 to a Garmin GNS 430 WAAS IAW STC # SA01933LA. The GNS 430W was install in the aircraft instrument panel provided by the aircraft manufacturer. No installation mounting or wiring chane necessary for this update.
2. Installed Garmin GA 35 GPS/ WAAS ant on forward upper fuselage. The Garmin GA 35 GPS/WAAS was mounted in accordance with manufactures installation manuals and AC43.13-2A, chapter 3, paragraph 38(b).
3. Used existing circuit breaker as per manufacturer's specifications. An electrical load analysis was performed IAW AC43.13 1b, Chapter 11, Paragraph 37. Total load does not exceed 80% of total rated alternator capacity.
4. The structural mounting of the equipment is sufficient to ensure restraint of equipment when subjected to emergency landing loads appropriate to the aircraft category IAW AC43.13 2a, Chap. 1, Paragraph 1, 2, and 6.
6. FUNCTIONAL FLIGHT EVALUATION: Garmin GNS 430W specified Post-installation Configuration & Checkout Procedures were accomplished IAW the individual units's installation manual.
7. FUNCTIONAL FLIGHT EVALUATION: A functional flight evaluation was performed to validate ground installation tests.
8. EQUIPMENT LIST/WEIGHT AND BALANCE: The aircraft logs were updated for the new Garmin GNS 430W update. No weight and balance change in this STC modification.

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS

1. This document identifies instructions for Continued Airworthiness for the Garmin GNS 430W.
2. DESCRIPTION OF ALTERATION: Installation of the Garmin 430W.
3. Control: Pilot's Guide instruction manual have been added to the aircraft paper work for STC update.
4. SERVICE INFORMATION: Software updates as necessary, systems to be returned to repair station or factory for service.
5. MAINTENANCE INSTRUCTIONS: Equipment to be serviced at repair station or factory only.
6. TROUBLESHOOTING INFORMATION: Equipment designed to have internal detection system.
7. REMOVAL AND REPLACEMENT INFORMATION: All installation and removal instructions are contained in the associated unit's pilot's guide.
8. DIAGRAMS: All wiring and installation diagrams are contained in the installation manuals and schematics provided by the manufacturer of the equipment.
9. SPECIAL INSPECTION REQUIREMENT: None required.
10. PROTECTIVE TREATMENTS: None required.
11. DATA: NONE
12. SPECIAL TOOLS: No special tools for system checkout.
13. COMMUTER AIRCRAFT: Does not apply.
14. OVERHAUL PERIODS: No overhaul time limitations.
15. AIRWORTHINESS LIMITATIONS: No airworthiness limitations.
16. REVISION: Revision to the ICA shall be submitted to the ACO along with the revised ICA. The ACO will obtain AEG acceptance and issue an approval letter for the revised INA.

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[ ] Additional Sheets Are Attached

