



U.S. Department  
of Transportation  
Federal Aviation  
Administration

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

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

Electronic Tracking Number

For FAA Use Only

**INSTRUCTIONS:** Print or type all entries. See Title 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)).

<b>1. Aircraft</b>	Nationality and Registration Mark N87567	Serial No. 129	
	Make Sky Enterprises (Republic), Inc.	Model RC-3	Series
<b>2. Owner</b>	Name (As shown on registration certificate) Ostronik, KC	Address (As shown on registration certificate)	
		Address P.O. Box 371101	City Key Largo
		Zip 33037	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	Timothy P. Howard, Stick'n Rudder Aero Maintenance, Inc.	<input checked="" type="checkbox"/> U.S. Certificated Mechanic	Manufacturer	
Address	240 George Ryder Road		<input type="checkbox"/> Foreign Certificated Mechanic	C. Certificate No.
City	Chatham State MA		<input type="checkbox"/> Certificated Repair Station	2854191
Zip	02633 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 5/28/16
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### 7. Approval for Return To Service

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

BY	FAA Fit. Standards Inspector	Manufacturer	Maintenance Organization	Person Approved by Canadian Department of Transport
	FAA Designee	Repair Station	<input checked="" type="checkbox"/> Inspection Authorization	Other (Specify)
Certificate or Designation No.		Signature/Date of Authorized Individual 5/28/16		

## 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.)*

N87567

Nationality and Registration Mark

5/28/16

Date

#### Removed:

Left mechanical fuel pump removed from Franklin engine 6A8-215-B9F

#### Installed:

PMA Products, Inc. p/n CA65628-800E (Piper p/n 481701 or Facet model 480543) electric fuel pump installed in the left rear baggage compartment of Sky Enterprises (Republic) RC-3, S/N 129 in the existing fuel line using 2 each 1/4-28 standard aircraft bolts through the adjacent angle former.

All work was accomplished IAW AC43.13-2B & FAA form 8110-3 dated September 21, 2014 titled "Alteration to install electric boost pump on Republic RC-3 S/N 129". An electrical load analysis was done and does not exceed 80% of the total load capacity

This aircraft engine still meets the requirements of CAR 3, specifically 3.449 requiring at least one fuel pump installed on the engine and directly driven by the engine. One directly driven fuel pump is still installed on the engine.

ACO approved flight manual supplement dated 03/12/2003 was added to the aircraft flight records as found on pgs 26-28 and again on pgs 31-32 of attached document # SEABEEALT-EFP, Rev IR, dated March 24, 2014

#### Instructions for Continued Airworthiness:

- 1) **Introduction:** Electric fuel pump was installed to increase reliability and safety per AC 23-27 of the fuel system and assure uninterrupted fuel delivery under all conditions as well as to prime the carburetor.
- 2) **Description:** Electric fuel pump is located in the aft baggage area and assists in pumping fuel from the hull fuel tank to the engine mounted above and works in conjunction with the engine driven fuel pump.
- 3) **Control / Operation Information:** The electric pump is controlled by a switch located on the instrument panel and is marked / placarded accordingly. ACO approved Airplane Flight and Maintenance Manual Supplement for Sky Enterprises, Inc. (Republic) RC-3 Electric Fuel Pump Alteration, document number SEABEEALT-EFT-AFMS/AMMS dated March 24, 2014 is located in the airplane flight manual.
- 4) **Servicing Information:** Pump is located in the baggage compartment and is of the Facet type PMA Products, Inc. p/n CA65628-800E
- 5) **Maintenance Instructions:** 100 hour / annually per Maintenance Manual Supplement for instructions pg 9 and 10 of Doc # SEABEEALT-EFP-AFMS/AMMS and 14 CFR 43 Appendix D.
- 6) **Troubleshooting Information:** See attached Maintenance Manual Supplement for Inspection pg 10 of Doc# SEABEEALT-EFP-AFMS/AMMS
- 7) **Remove and Replacement:** Replacements can be ordered through aircraft suppliers and Piper aircraft
- 8) **Diagrams:** See attached Fuel System Modification pgs 6 and 24 of attached Doc # SEABEEALT-EFP, Rev 1R, 3/24/14.
- 9) **Special Inspection Requirements:** N/A
- 10) **Application of Protective Treatments:** N/A
- 11) **Data:** N/A
- 12) **List of Special Tools:** N/A
- 13) **For Commuter Category Aircraft:** N/A
- 14) **Recommended Overhaul Limits:** No additional overhaul time limits
- 15) **Airworthiness Limitation Section:** No additional airworthiness limitations
- 16) **This ICA may be revised by submitting a letter with a copy of the revised 337 form and ICA. The FAA accepts the change by signing block 3 of the revised 337 form. Once revised, a maintenance entry will be made identifying the revision, it's location, and date of the 337 form.**

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Additional Sheets Are Attached