



U.S. Department
of Transportation
Federal Aviation
Administration

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 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 N6652K	Serial No. 929
	Make Republic Seabee/Sky Enterprises	Model RC-3
2. Owner	Name (As shown on registration certificate) Fourth L.L.C.	
	Address (As shown on registration certificate) Address 1918 N 11TH Street	
	City Muskogee	State OK
	Zip 74401	Country

3. For FAA Use Only The alteration/data identified herein complies with the applicable airworthiness requirements and is approved only for the above described aircraft subject to conformity inspection by a person authorized in FAR 43, section 43.7.

John Thomas

DATE 04/20/2010 FAA INSPECTOR-SW FSDO, OKC

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

A. Agency's Name and Address		B. Kind of Agency	
Name <u>Roger L Kimball</u>		<input checked="" type="checkbox"/> U.S. Certificated Mechanic	
Address <u>3623 Club Estates Dr #3</u>		<input type="checkbox"/> Foreign Certificated Mechanic	C. Certificate No.
City <u>Muskogee</u> State <u>OK</u>		<input type="checkbox"/> Certificated Repair Station	002752096
Zip <u>74403</u> Country _____		<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

Signature/Date of Authorized Individual

Roger L Kimball

04/20/2010

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 of Designation No. 002752096		Signature/Date of Authorized Individual <i>Roger L Kimball</i> 5-13-10		

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.)

N6652K

Nationality and Registration Mark

04/20/2010

Date

This Form 337 is submitted for the purpose of recording and documenting an alteration that has been previously performed by persons, date and location unknown.

The engine air intake filter has been replaced by a Brackett air filter assembly P/N BA-5810 of which a Brackett air filter element P/N BA-5805.

This filter has been approved for installation by STC-SA71GL on a Cessna T337H-SP which has a similar dimension/configuration air box and engine horsepower rating.

The adequacy of filtering and air flow capability has been confirmed by Brackett Aero Filters, Inc. for this installation. See attached sheet for Air Flow data per Brackett Aero Filters, Inc.

The air filter assembly (housing) has been modified by installing a bale of the end for ease of removal from air box. Also installed on same end of housing is a brackett to secure filter assembly (housing) in air box. Both bale and securing bracket are attached by standard aircraft nuts to housing. See attached photo.

Modification of the air filter assembly housing was accomplished in accordance with standard practices per AC43 13-1b. Installation of the air filter has been accomplished in accordance with the Installation Instructions of STC-SA71GL.

Continued airworthiness shall be accomplished in accordance with the Instructions for Continued Airworthiness directive of STC-SA71GL. See attached sheet. Instructions for Continued Airworthiness.

***** NOTHING FOLLOWS *****

Additional Sheets Are Attached

N6652K

Instructions for Continued Airworthiness

This polyurethane air filter element has been designed to provide maximum dust collecting efficiency, non-restrictive air flow, and economical element replacement, while maintaining a lightweight filter. The element has been treated with a distinctive treatment called a wetted agent and is approximately 98% efficient. The wetted agent is an accompaniment in the efficient capturing of dust. In addition, the element has received a fire retardant treatment. For the above reasons, replace the element each 200 hours of use, 12 months or when 50% covered with foreign material. DO NOT WASH AND REUSE.

INSTALLATION INSTRUCTIONS

- STEP 1. Remove filter element PN BA-5805 from bag.
- STEP 2. Install into frame assembly and place grill PN 5804 over element.
- STEP 3. Remove and discard existing filter.
- STEP 4. Clean inlet area and inspect for irregularities.
- STEP 5. Install filter assembly onto aircraft using the same procedure as original, using the original hardware. Be sure screen and gasket side are facing downstream (engine side). See air flow arrows.

SERVICING: Under normal conditions, replace filter element, PN BA-5805, after 200 hours use or 1 year intervals. Under severely dusty conditions, check daily and replace when element is 50% covered with foreign material.

INSPECTION INTERVALS: Pre-flight inspections, engine backfire inspection, 100 hour inspections, annual inspections, filter element replacements.

INSPECTION PROCEDURES

- A. Pre-flight inspection: Per Pilots Operating Handbook, check filter assembly for security, damage or 50% contamination of element face. If found report to maintenance personnel prior to flight.
- B. Engine start-up backfire inspection: Prior to flight, check the entire intake system for security or damage. If a fire was present, the downstream face of the foam element will show erosion. If any irregularities are found see Chart I and also refer to the Aircraft Maintenance Manual for the intake system.
- C. At element replacement intervals: With the element removed, inspect the filter grill, filter frame, filter mountings and entire intake system for security, wear and any deformation. Note: On filter assemblies with gaskets, visually inspect inside and outside of frame for any signs of gasket looseness, movement or deterioration.