

DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

Form Approved  
Budget Bureau No. 04-R060.1

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

FOR FAA USE ONLY

OFFICE IDENTIFICATION  
STL PDD  
3-0-62

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form.

1. AIRCRAFT	MAKE <b>Republic Seabee</b>	MODEL <b>RC-3</b>
	SERIAL NO. <b>97</b>	NATIONALITY AND REGISTRATION MARK <b>U.S.A. N97537</b>

2. OWNER	NAME (As shown on registration certificate) <b>Ploeger, Raymond L.</b> <b>Ploeger, Martha S.</b>	ADDRESS (As shown on registration certificate) <b>1714 Richcreek Rd.</b> <b>Austin, Texas 78757</b>
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The alteration identified herein complies with applicable airworthiness requirements and is approved only for the above described aircraft subject to conformity inspection by a person authorized in FAR 43.7

6-7-77 R.O. Laubman  
(Date) Gen'l Maintenance Insp.

4. UNIT IDENTIFICATION				5. TYPE	
UNIT	MAKE	MODEL	SERIAL NO.	REPAIR	ALTERATION
AIRFRAME	***** (As described in item 1 above) *****			X	X
POWERPLANT					
PROPELLER					
APPLIANCE	TYPE				
	MANUFACTURER				

6. CONFORMITY STATEMENT	
A. AGENCY'S NAME AND ADDRESS <b>Raymond L. Ploeger</b> <b>1333 Schulte Rd.</b> <b>Creve Coeur, MO 63141</b>	B. KIND OF AGENCY <input checked="" type="checkbox"/> U.S. CERTIFICATED MECHANIC <input type="checkbox"/> FOREIGN CERTIFICATED MECHANIC <input type="checkbox"/> CERTIFICATED REPAIR STATION <input type="checkbox"/> MANUFACTURER

C. CERTIFICATE NO.  
**A&P**  
**#2260855**

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 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.

DATE <b>Dec. 15, 1976</b>	SIGNATURE OF AUTHORIZED INDIVIDUAL <u>R.L. Ploeger</u>
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7. APPROVAL FOR RETURN TO SERVICE				
Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is <input checked="" type="checkbox"/> APPROVED <input type="checkbox"/> REJECTED				
BY	<input checked="" type="checkbox"/> FAA FLT. STANDARDS INSPECTOR	MANUFACTURER	INSPECTION AUTHORIZATION	OTHER (Specify)
	<input type="checkbox"/> FAA DESIGNEE	REPAIR STATION	CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	
DATE OF APPROVAL OR REJECTION <b>6-7-77</b>	CERTIFICATE OR DESIGNATION NO. <b>3-062</b>	SIGNATURE OF AUTHORIZED INDIVIDUAL <u>R.O. Laubman</u>		

**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.)

Repaired bulkhead at hull station 52.7 by installing doubler per attached drawing #RC-3-7-76. Repaired hull rib at station 96 by installing coupler per attached drawing RC-3-8-76. Surface corrosion left wing liftstrut fitting removed. Fitting treated and painted. Access hole, cover and skin notch left wing at left strut fitting. Installed flush rear windows. Installed hand formed compass bracket. Removed original control wheels, installed new ramshorn type. Cabin sound proofing sound foam 1" per ASTM-D-903-49. Replaced instrument panel and with new instruments and fuel press selector valve see drawing RC-3-9-76. Added circuit breaker panel and headphone bracket per dwg. RC-3-6-76. Wiring and plumbing installed as required. Repaired cracked cabin root former aft of sky light by adding doubler. Installed nav/antenna at station 308.3 top of vertical stablizer. Installed radio speaker bracket in top of cabin roof. Instrument panel top cover modified to clear instruments. Previous propeller control assembly moved to mixture control position and routed same as previous mixture control. Hand formed bracket substituted for support bracket as called out per AD-47-21-18. AN742D5 clamp substituted for AN742D3 clamp at operating end of mixture control cable as called per AD47-21-19. Removed original prop and throttle controls installed vernier type obtained from STOL Amphibian Corp. (Fulton J. Ivy) current holder of aircraft type certificate.

Right elevator torque tube filling replaced with part machined from 2024-T6 to same dimensions. Installed Alcor Model 35 EGT kit with Alcor thermocouple extension lead.

Machined "O" ring groove in main landing gear tube per Republic drawing (Electrol) 400M. Surface corrosion of left wing spar carry through removed spar, treated and painted. Original equipment anchor and line removed.

ALL WORK IN ACCORDANCE WITH AC43.13-1A WEIGHT AND BAL UPDATE TO AGREE.

-END-

ADDITIONAL SHEETS ARE ATTACHED