



US Department of Transportation
Federal Aviation Administration

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

Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification
WP-27 OAKFSDO

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. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

1. Aircraft	Make Republic	Model RC-3
	Serial No. 1000	Nationality and Registration Mark N5166B
2. Owner	Name (As shown on registration certificate) Davey Darrel L.	Address (As shown on registration certificate) 6613 Santa Rosa Camarillo, Ca. 93010

3. For FAA Use Only

*piece mail installation approval
System NOT activated*

The data identified herein complies with the applicable airworthiness requirements and is approved for the above described aircraft, subject to conformity inspection by a person authorized in FAR 43, Section 43.7

4-19-02 *Minuteman*
DATE SIGNATURE OAK-FSDO

4. Unit Identification

Unit	Make	Model	Serial No.	5. Type	
				Repair	Alteration
AIRFRAME	~~~~~ (As described in Item 1 above) ~~~~~				X
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

6. Conformity Statement

A. Agency's Name and Address	B. Kind of Agency	C. Certificate No.
Kenneth L. Thompson PO Box 411 Vineburg, Ca. 95487	<input checked="" type="checkbox"/> U.S. Certificated Mechanic	545767051
	<input type="checkbox"/> Foreign Certificated Mechanic	
	<input type="checkbox"/> Certificated Repair Station	
	<input type="checkbox"/> Manufacturer	

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 4-19-02	Signature of Authorized Individual <i>Kenneth L. Thompson</i>
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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 APPROVED REJECTED

BY	FAA Fit. Standards Inspector	Manufacturer	<input checked="" type="checkbox"/> Inspection Authorization	Other (Specify)
	FAA Designee	Repair Station	Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection 4-19-02		Certificate or Designation No. 552273581	Signature of Authorized Individual <i>Doug P. Smith</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.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

Republic RC-3 N5166B Ser.# 1000

2. Description: Installed Proprietary Software Systems, Inc. AOA Sport angle of attack instrument. LED display panel installed in instrument panel with 1ea. AN526-632R8 machine screw. AOA CPU installed behind instrument panel on panel vertical support member with 2 ea. AN526-632R8 machine screws, and pressure ports installed with supplied hardware in wing 24 inches from wing tip, top and bottom. Circuit is protected by a 1 amp fuse located in fuse panel for avionics buss. Wire used for hook up is 22 AWG conforming to MIL-W-22759/16. All work done in accordance with AC 43.13 1B, ch. 11, sec. 4, para. 11-47 thru 11-51, table 11-3, sec. 8, para. 11-96, 11-106 thru 11-108, AC 43.13 2A, ch. 1, para. 1 thru 12, fig. 1-1, ch. 11, para. 211 thru 214 and Proprietary Software Systems, Inc. AOA Sport angle of attack instrument installation and operation manual, CAO400.doc, dated 1-1-99. AOA not activated, provisional installation pending approval of AFM supplement.

3. Control, operation information: Reference Proprietary Software Systems, Inc. AOA Sport angle of attack instrument installation and operation manual, CAO400.doc, dated 1-1-99.

4. Servicing information: None

5. Maintenance instructions: Must be inspected annually in accordance with FAR 43 appendix D.

6. Trouble shooting information: N/A

7. Removal and replacement information: None

8. Diagrams: None

9. Special inspection requirements: None

10. Application of protective treatments: None

11. Data: None

12. List of special tools: None

13. For commuter category aircraft: N/A

14. Recommended overhaul periods: No additional overhaul time limitations

15. Airworthiness limitation section: Placard installed near LED display "Not to be used as a primary instrument"

16. Revision: A letter will be submitted to the local FSDO with a copy of the revised FAA form 337

Additional Sheets Are Attached