US Department of Transportation

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

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).

		Make	Re	epublic				Model	RC-3				
1. Aircra	ift	Serial No.						Nationality and Registration Mark					
		1000					N5166B						
	•	Name (As shown on registration certificate)						Address (As shown on registration certificate)					
2. Owner	r	Di	ave	ey Darrell L				6613 Santa Rosa Rd					
		Davey Deborah A					Camarillo Ca 93012-5672						
						3. 1	For FAA Use On	ıly					
Gen					requ	quirement nformity	nts and is approved for inspection by a person	ir the above desc	Buk	:S :O			
						4.	Unit Identification	on		<u>,</u>	5. Type	<u> </u>	
Unit			Ma	ake			Model		Serial No).	Repair	Alteration	
AIRFRAME	IE					cribe	cribed in Item 1 above)						
POWERPLA	.ANT												
PROPELLE	ER												
APPLIANC	Æ	Type Manufacturer	r										
						6. Co	onformity Statem	nent			<u></u>		
A. Agenc	y's Na	ame and Addre	ess	<u> </u>		B.	B. Kind of Agency				ficate No.		
	K	enneth L	T!	hompson		N	U.S. Certificated Mechanic						
	-	D Box 41					Foreign Certificated Mechanic Certificated Repair Station			54	4576705 3	1	
	Vj	ineburg,	<u>Ca</u>	. 95487			Manufacturer	All Station					
nave	rtify tha e been	at the repair ar made in acco	nd/or ordan	r alteration made to nce with the require correct to the best	ements	s of Pa	identified in item art 43 of the U.S	4 above an . Federal A	nd described on the trial viation Regulation	ne reverse ons and th	or attachmer at the inform	nts hereto ation	
Date						Sig	Signature of Authorized Individual						
9-20-99							New Thompson						
······································							al for Return To	·					
Pursuan Adminis	it to the strator	ne authority continue of the Federa	jiven il Avi	n persons specified iation Administration	i belogon on and	w, the 1 is	e unit identified APPROVED		JECTED	the man	ner prescribe	ed by the	
1 1	FAA F	A Flt. Standards pector		Manufacturer		Insp	ection Authorizat	tion	Other (Specify)				
	<u> </u>	Designee		Repair Station		Cana	son Approved by ada Airworthines	s Group					
Date of Approval or Rejection 9-20-99 Certificate or Designation No. 552273581					Sign	Signature of Authorized Individual							
<u> </u>				JUZZIOI			pougles f. 9	mith					

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 Insight Instrument Corp. Graphic Engine Monitor. GEM electrical circuit protected by a 1 amp fuse. All work done in accordance with Insight Installation Instructions Version 2.2, Dwg. 8258 and AC 43.13 1A, Ch. 11, section 2, para.424, 429, section 3, para. 442, 443, 445 thru 451, fig. 11.7a, section 7, para. 514 thru 520, and AC 43.13 2A, ch.11, para. 211 thru 214.
- 3. Control, operation information: Reference Insight Installation Instructions Version 2.2, Dwg. 8258
- 4. Servicing information: None
- 5. Maintenance instructions: Must be inspected annually in accordance with FAR 43 appendix D and FAR part 91.
- 6. Trouble shooting information: Insight Installation Instructions Version 2.2, Dwg. 8258
- 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: No additional airworthiness limitations
- 16. Revision: A letter will be submitted to the local FSDO with a copy of the revised FAA form 337

RC-3 N5166B S/N 1000

GEM electrical installation diagram

Figures S FEE Graphic Engir HARNESS ENGINE NIM 1 PICTORIAL \$ ROUTING HARNESS Θ

Insight Graphic Engine Monitor

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Graphic Engine Monitor Location

