



U.S. 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 *MS*

**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).

<b>1. Aircraft</b>	Make <b>Republic</b>	Model <b>RC-3</b>
	Serial No. <b>765</b>	Nationality and Registration Mark <b>N713ET</b>
<b>2. Owner</b>	Name (As shown on registration certificate) <b>Tello Edger</b>	Address (As shown on registration certificate) <b>Jardines Del Caribe 21 #109 Ponce, Puerto Rico</b>

**3. For FAA Use Only**

4. Unit Identification				5. Type	
Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	~~~~~ (As described in Item 1 above) ~~~~~				<input checked="" type="checkbox"/>
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

**6. Conformity Statement**

<b>A. Agency's Name and Address</b>  <b>Kenneth L. Thompson</b> <b>PO Box 411</b> <b>Vineburg, Ca. 95487</b>	<b>B. Kind of Agency</b> <input checked="" type="checkbox"/> U.S. Certificated Mechanic <input type="checkbox"/> Foreign Certificated Mechanic <input type="checkbox"/> Certificated Repair Station <input type="checkbox"/> Manufacturer	<b>C. Certificate No.</b>  <b>545767051</b>
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**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>10-16-2000</b>	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

<b>BY</b>	FAA Flt. 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 <b>10-16-00</b>		Certificate or Designation No. <b>552273581</b>	Signature of Authorized Individual <i>Douglas 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      N713ET      Ser.# 765

2. Description: Installed Electronics International Inc. Ultimate Engine Analyzer model US-8A in instrument panel with 6 ea. EGT probes, part# P-110, 6 ea. bayonet CHT probes, part# P-101 installed on engine, and OAT probe, part# P-128 which is installed in windshield/bow door center frame near top of windshield. Circuit protection is provided by a 1 amp fuse located in lower right instrument panel. Wire used for installation that was not provided with the unit is 18 awg conforming to MIL-W-22759/16. All work done in accordance with STC# SA4302NM, Electronics International Inc. Ultimate Engine Analyzer (US-8A) operating and installation instructions, manual# OI072491 and I072091, dated 7-20-89, rev.B, dated 2-1-93, AC 43.13-1B, sec 5, para. 11-66 thru 11-69, table 11-6, 11-9, fig. 11-2, 11-4a, 11-5, 11-6, sec. 6, para. 11-76, 11-77, sec. 7, para. 11-85, 11-86, table 11-11, AC 43.13-2A, ch. 1, para. 1 thru 12, fig. 1-1, and ch.11, para. 211 thru 214.

3. Control, operation information: Reference Electronics International Inc. Ultimate Engine Analyzer (US-8A) operating and installation instructions, manual# OI072491 and I072091, dated 7-20-89, rev.B, dated 2-1-93

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: N/A

7. Removal and replacement information: Reference Electronics International Inc. Ultimate Engine Analyzer (US-8A) operating and installation instructions, manual# OI072491 and I072091, dated 7-20-89, rev.B, dated 2-1-93

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