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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-Z7 MK

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).

ARPPLIANCE Type Manufacturer 6. Conformity Statement A. Agency's Name and Address Kenneth L. Thompson PO Box 411 Vineburg, Ca. 95487 D. I certificated Repair Station 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 heret 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 One of 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 \$10 APPROVED REJECTED FAA Fit. Standards Inspector FAA Designee Repair Station Person Approved by Transport Canada Airworthiness Group Cartificate or Designature of Authorized Individual Person Approved by Transport Canada Airworthiness Group Cartificate or Designature of Authorized Individual Cartificate or Designature of Authorized Individual Cartificate or Designation No. Signature of Authorized Individual	for each sucl	h violation (Sec	tion 901 Federal Avia	ion A	ct of 1	958).			-	•			
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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# OI072491and II072091, 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# 01072491 and Il072091, 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# Ol072491and Il072091, 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