



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

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 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 Seabee
	Serial No. 129	Nationality and Registration Mark N87567
2. Owner	Name (As shown on registration certificate) Ostronik, KC	Address (As shown on registration certificate) 101425 Overseas Hwy #822 Key Largo FL 33037

3. For FAA Use Only

The technical data identified herein has been found to comply with applicable airworthiness requirements and is hereby approved for use only on the above described aircraft, subject to conformity inspection by a person in FAR 43.7

SEP 28 2005
DATE

[Signature]
FAA Inspector NM-FSDO-01

RECEIVED

SEP 27 2005

4. Unit Identification

SEATTLE FSDO

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

6. Conformity Statement

A. Agency's Name and Address Don Wallace 122 East Stadium Lane Grapeview WA 98546	B. Kind of Agency	C. Certificate No.
	<input checked="" type="checkbox"/> U.S. Certificated Mechanic	552-76-1362
	<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 December 31, 2004	Signature of Authorized Individual <i>[Signature]</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 8/25/2014	Certificate or Designation No. 373454271A	Signature of Authorized Individual <i>[Signature]</i>
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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.)

1. Instrument Panel / Mechanical

Inspected and verified airworthiness of owner supplied instrument panel. Verified material as .125" 2024 T3 by comparative chemical testing with 10% sodium hydroxide solution and hardness testing per AC65-9A Change 1, Chpt. 6 (Aircraft Hardware, Material and Processes), Pg. 201, (Identification of heat treatable alloys) and Pg. 220 (Barcol Hardness Testing) to known aluminum alloy samples.

Instrument panel peripheral dimensions and mounting method equivalent to original and similar to N6102K (see attached form 337 dated 01-30-01).

2. Ships Wire Harness / Electrical

Fabricated and installed new ships wire harness IAW AC 43.13-1B Change 1 Chapt. 11, Section 3, par 443, 443 and 444 and Section 4, par 464. Panel installation and wire harness similar to N6102K Ser. #285 (see attached form 337 dated 01-30-01).

Avionics wire harness assembled and tested by Olympia Avionics, Olympia WA

3. Instrument Panel Mounted Equipment

Installed the following instruments and avionics: (see attached drawing for layout)

- Apollo 604 Loran PN 430-0128-007
- King KT76 Transponder
- United Instruments Blind Encoder U15120-P1
- King KX155 NAV/COM PN 069-1024-08
- King KI 208 CDI
- JPI EDM-700 Data Management System PN EGT-701
- FN-200 IceBox Cooling Fan
- P.S. Engineering PS2000 Intercom
- Sherman Aero DS-7 Depth Sounder
- Bendix Ignition Switch PN 10-357-200-12
- Rochester Fuel Qty Indicator PN 3090-106
- Rochester Fuel Pressure indicator PN 3050-58
- Edo-Aire Oil Temp / Oil Press indicator PN 1U378-007-13A
- Electric Gyro Corp Turn and Bank Indicator Model 1234T100-7ATZ
- Davtron Model M-655-2 5 Function Indicator
- United Instruments Altimeter PN 5934P-1
- United Instruments Vertical Speed Indicator PN 7000
- Vacuum System Suction Indicator PN 5001A
- UMA Manifold Pressure Indicator PN 7-300-35
- Mitchell Tachometer PN 98480-23
- Edo Aire Airspeed Indicator PN 10-02200
- Sigma-Tek Directional Gyro PN 4000B
- Edo-Aire Horizon PN 23-501-26-9
- Advisory Warning Light System

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Additional Sheets Are Attached

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4. Advisory Warning Light System

This system consists of (8) SloanLED PN 206-R-L-RTL-12/20-HS-XXX indicators (see attached wiring diagram)

The installation of the Advisory Warning Light System meets the requirements of 14CFR Section 23.1322 (Warning, Caution and Advisory Lights) (a), (b) (Color) and (e) (Visibility)

5. Fuel Quantity Indicator

Calibrated Rochester fuel quantity gauge PN 3090-106 and Skysports fuel probe PN CGF24FB IAW Skysports document titled "Skysports Fuel Monitor System, Instructions, Installation for 9, 12 and 24 Volt Grommet and Flange Mounting Systems and Low Fuel Warning Indicators". Fabricated ground check fuel quantity stick from 3/8 micarta round and calibrated in 5 gallon increments from 0 gals. to 75 gals (Full). This installation meets the requirements of 14CFR Section 23.1337 (Power plant Instruments Installation), (b) (Fuel Quantity Indication), (1) (Calibration) and (4) (Ground check gauge)

6. JPI EGT-701

Installed JPI EGT-701 IAW STC SA 2586NM (ref. MEL rev.13) and Installation Manual For The EGT-701 Doc. No. 103 Rev.B

Installed JPI Fuel Flow Option to the EGT-701 IAW STC SA00432SE (ref. MEL rev.H) and Installation Manual Doc. No. 503 Rev.B

Installed The following placard in vicinity of display

"JPI-EGT-701 For Secondary Reference Only. Use Approved Primary Engine Parameter and Fuel Quantity Instrumentation For Operating Limitations Reference and Fuel Quantity Indication"

7. JIMorrow Apollo 604

Installed Apollo 604 Loran System IAW manufacturers Installation Manual Doc. No. 560-0037A Rev.1. Installed the following manufacturers supplied placards

"Apollo 604 Loran-C System Not To Be Used For Navigational Purposes"

"Loran-C Not Approved For IFR"

8. PS Engineering PM 2000 Intercom

Installed PM 2000 IAW manufacturers Operator's And Installation Manual Doc. No. 12189301

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9. Davtron M655 5 Function Indicator

Installed indicator and temperature probe IAW manufacturer's "Installation and Operation Instructions", Davtron Drawing 655-013, and Davtron Drawing 303-010

10. Sherman Aero Inc. Depth Sounder

Installed indicator and sensor IAW manufacturer's "Installation Instructions"

11. Data Pertinent to All Panel Mounted Equipment

All panel mounted equipment installed IAW manufacturer's installation instructions where applicable and guidelines contained in A.C. 43.13-1B Section 2 (Equipment Installation) Par. 424 (Electrical Load Limits), Par. 428 (Determination of Electrical Load), Par. 429 (Circuit Protection Devices) and Par. 430 (Switches).

This installation is an appropriate design for its intended function and functions properly as installed, therefore meeting the requirements of 14CFR Section 23.1301 (Function and Installation) (a), (Appropriate Design), (b) (Identification), (c) (Meets Limitations) and (d) (Proper Function).

Installation of this equipment is in accordance with AC 43.13-2A, Chapter 1 (Structural Data) Par. 4 (Materials), 5 (Fabrication), 6 (Fasteners), 7 (Protection Against Deterioration), 8 (Provisions for Inspection), 9 (Weight and Balance), 10 (Effects on Safe Operation) and 11 (Controls and Indicators).

I have determined that this data is appropriate to the product being altered, is directly applicable to the alteration and is not contrary to the manufacturers data.

Weighed aircraft and prepared Weight and Balance Report and Equipment List (see weight and balance report dated 12-20-04)

Instructions for Continued Airworthiness:

1. Refer to respective manufacturers data for maintenance and operation instructions for all panel mounted equipment.
2. Inspect all panel mounted equipment for proper operation, security of attachment, and the security and condition of associated wiring each, 100 hour TIS or Annual basis.

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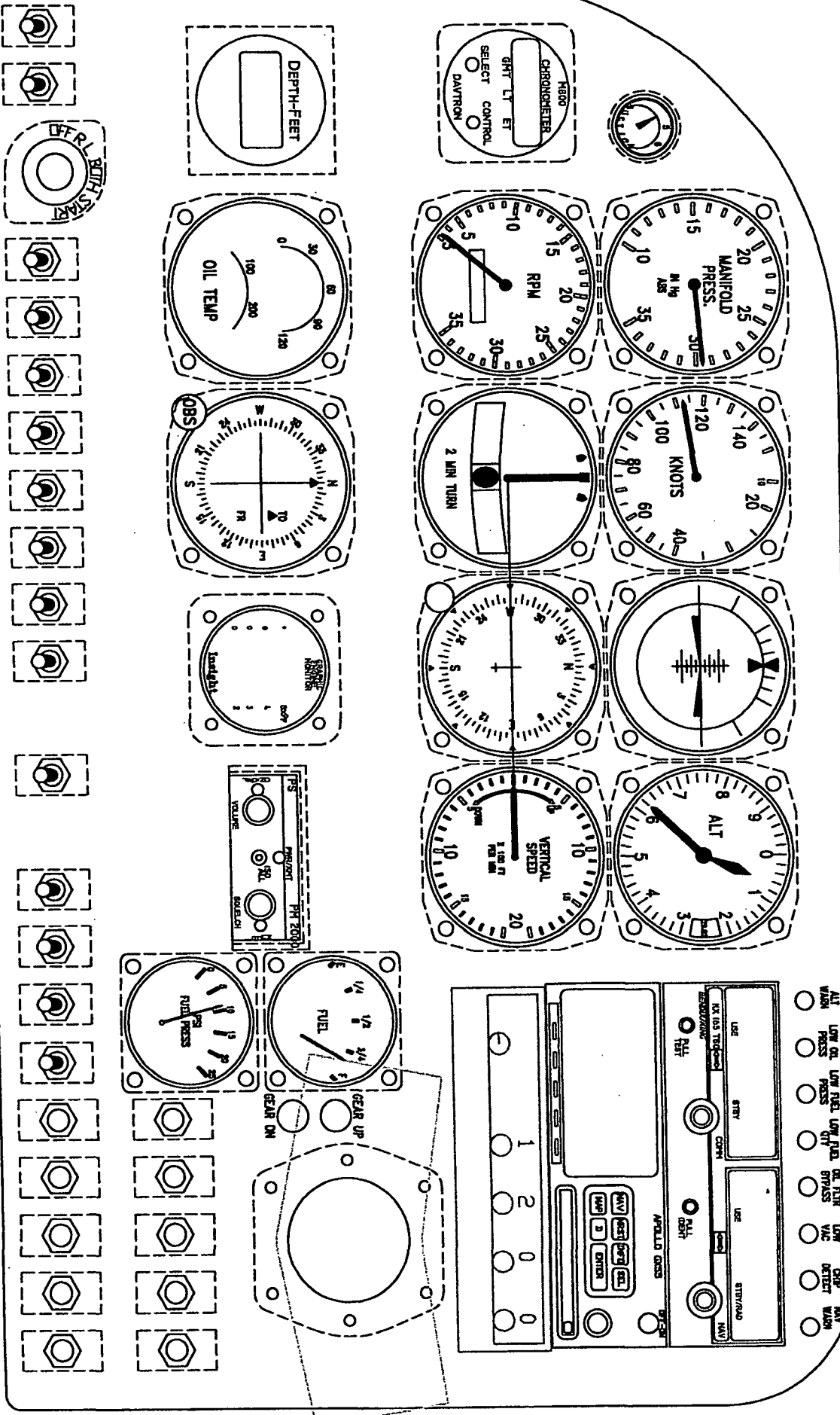
SEP 28 2005

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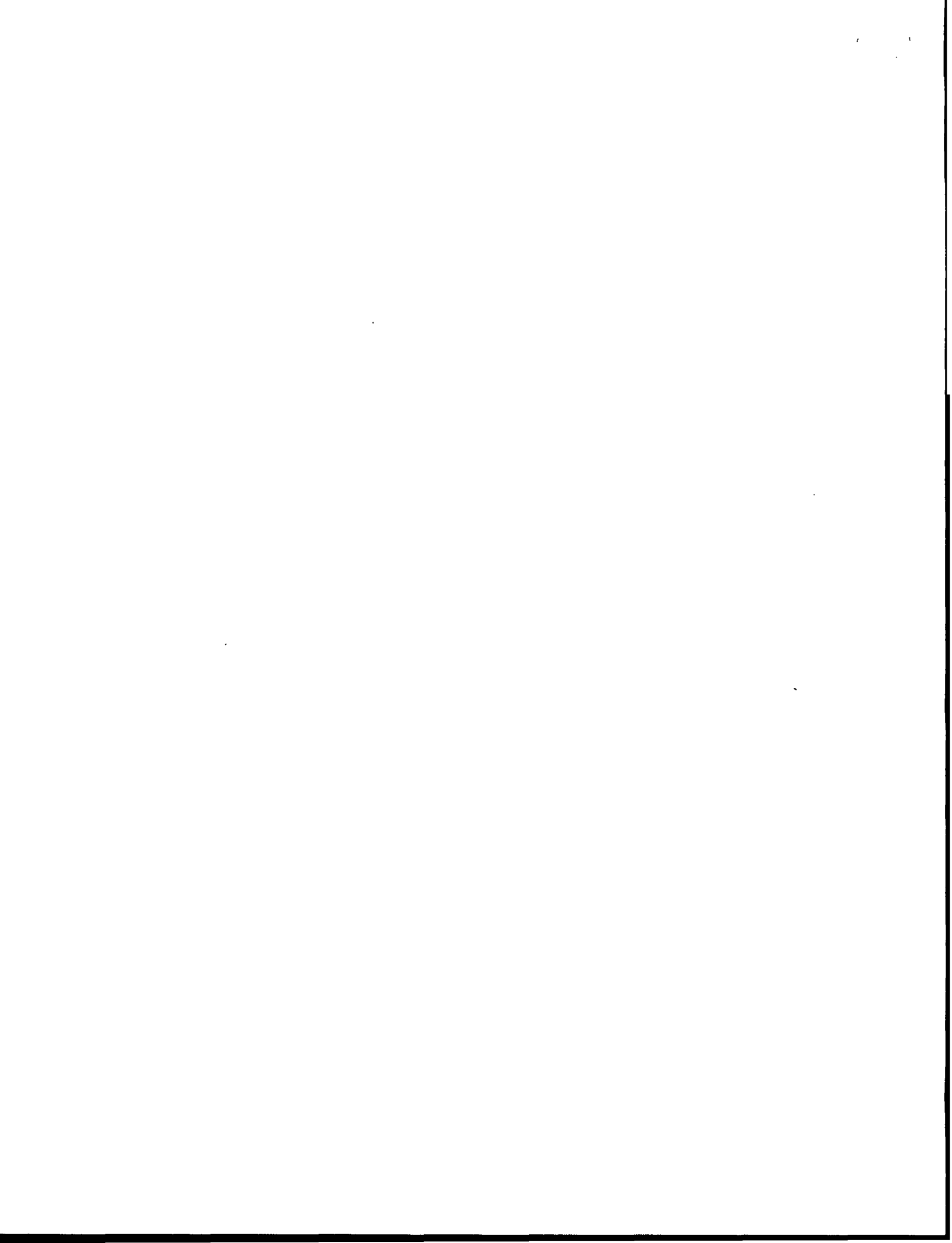
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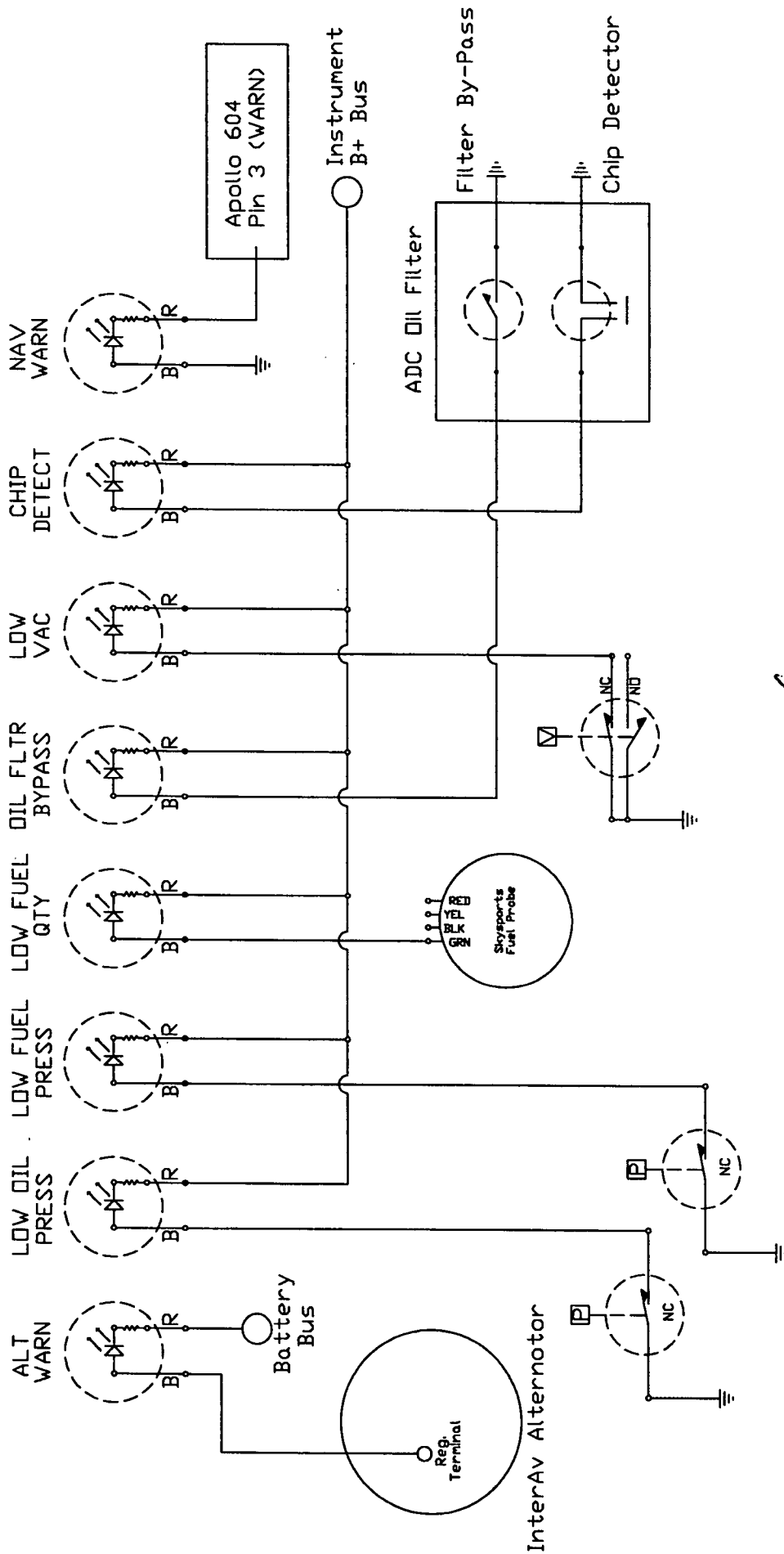
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The technical data identified herein has been found to comply with applicable airworthiness requirements and is hereby approved for use only on the above described aircraft, subject to conformity-inspection.

SEP 28 2005
 N 51674
 FAA Inspector NM-FSDO-01
 DATE





The technical data identified herein has been found to comply with applicable airworthiness requirements and is hereby approved for use only on the above described aircraft, subject to conformity inspection by a person in FAR 43.7 N 8751

SEP 28 2005
 DATE

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[Signature]