



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

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 1958)

1. Aircraft	Make Boeing	Model E75N1
	Serial No. 75-8709	Nationality and Registration Mark N3976B
2. Owner	Name (As shown on registration certificate) Bates David J	Address (As shown on registration certificate) 16215 Elgin Ct Fairbault, Mn 55021

3. For FAA Use Only

THE DATA IDENTIFIED HEREIN COMPLIES WITH APPLICABLE AIRWORTHINESS REQUIREMENTS AND IS APPROVED ONLY FOR THE ABOVE DESCRIBED AIRCRAFT SUBJECT TO CONFORMITY INSPECTION BY A PERSON AUTHORIZED IN FAR 43.7

1-12-2000 *Thomas L. Brown* 1962 FSD015

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 Thomas L. Brown B716 CTP Unity Wi. 54488	B. Kind of Agency	C. Certificate No.
	<input checked="" type="checkbox"/> U.S. Certificated Mechanic	A&P 387547793
	<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 1/2/2000	Signature of Authorized Individual <i>Thomas L. Brown</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 04/22/2000	Certificate or Designation No. 387547793	Signature of Authorized Individual <i>Thomas L. Brown</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.)

N3976B

Installed Jasco alternator Model 6555T on Pratt and Whitney R985-14B engine. Installed unit according to Skytronics Inc. drawings P1001, page 1&2 and drawing 5016.. All work done in accordance with AC 43.13-1A/3 Chapter 11, sections 1,2,3,4,5,6,&7, and Jasco Skytronics Technical data.

Alternator system previously approved on Gruman Ag Cat G-164A under STC #SA2015WE.

*****End*****

12V Elec. System Stearman NC3976

Shielded Wire MIL-C-27500 P/N 11-14416 16 AWG

Master + Alt. SW P/N MS35058-22

Starter SW P/N MS35058-22

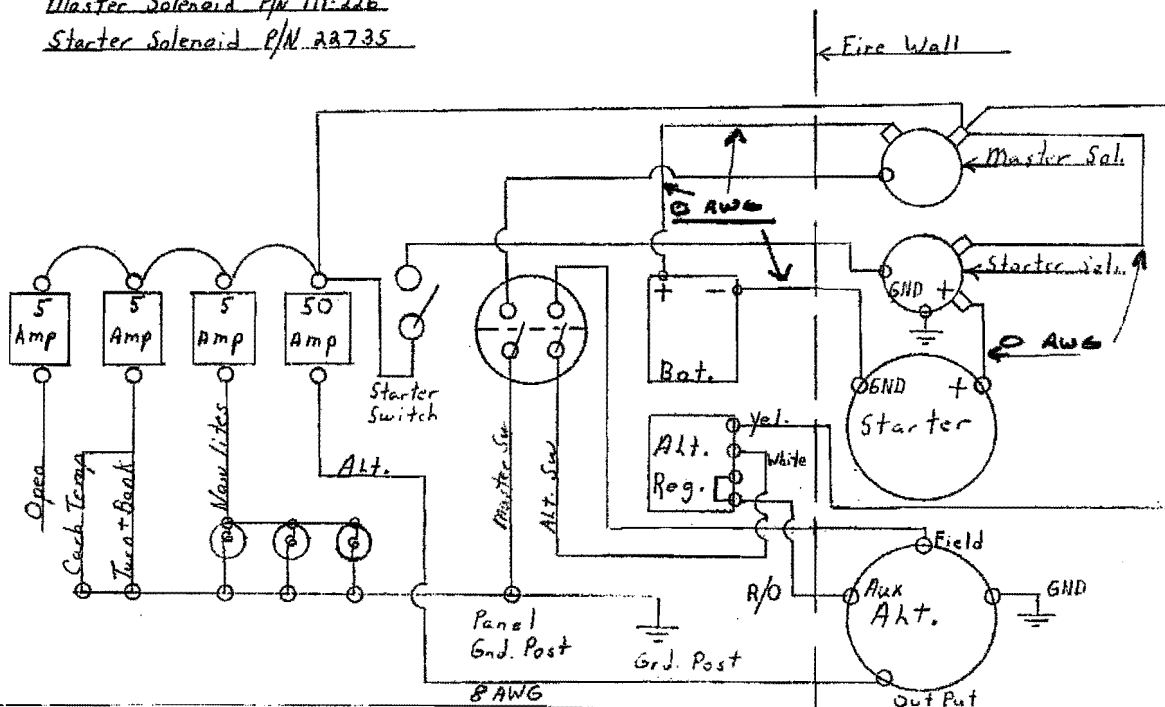
50 Amp Breaker P/N W31X2M1650

5 Amp Breaker P/N W31X2M165

Bat. P/N 12V RG-35AXC

Master Solenoid P/N 111-226

Starter Solenoid P/N 22735



Additional Sheets Are Attached

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N3976B

1/2/2000

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS

- 1.) A 12 V JASCO ALTERNATOR HAS BEEN INSTALLED ON ENGINE OF THE AIRCRAFT.
- 2.) THE ELECTRICAL CHARGING SYSTEM IS ASSEMBLED USING SKYTRONICS INC. KIT # 6555T WHICH INCLUDES A JASCO 12V 50 AMP 6555-1 ALTERNATOR AND A J12M20SP CONTROLLER.
- 3.) N/A
- 4.) N/A
- 5.) A. INSPECT RAM AIR INLET FOR OBSTRUCTIONS DURING PREFLIGHT INSPECTIONS.
B. REMOVE ALTERNATOR EVERY 250 HOURS OF FLIGHT AND INSPECT RUBBER GEAR BUSHINGS FOR ALIGNMENT, WEAR, OR DEFORMITY.
- 6.) TROUBLE SHOOTING INFORMATION, SYSTEM TESTING AND ADJUSTMENTS ARE INCLUDED WITH THE SKYTRONICS LITERATURE, TEST PROCEDURES AND SCHEMATICS INCLUDED WITH THE KIT. FOR ADDITIONAL TROUBLE SHOOTING HELP CONTACT SKYTRONICS INC. AT 1-800-421-6846.
- 7.) N/A
- 8.) N/A
- 9.) N/A
- 10.) N/A
- 11.) N/A
- 12.) N/A
- 13.) N/A
- 14.) NO ADDITIONAL OVERHAUL TIME LIMITATIONS.
- 15.) N/A
- 16.) N/A

*****End*****

Additional Sheets Are Attached