

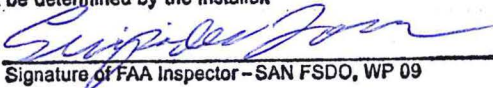
**MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)**

US Department
of Transportation
Federal Aviation
Administration

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 form 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).

1. Aircraft	Make GRUMMAN AMERICAN	Model AA5B
	Serial No. AA5B1145	Nationality and Registration Mark N4529D
2. Owner	Name (As shown on registration certificate) PURPLE SAGE AVIATION LLC	Address (As shown on registration certificate) 4111 PREIWINKLE WAY OCEANSIDE, CA 92057

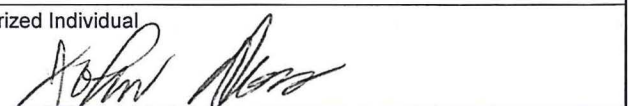
The data identified herein complies with the applicable airworthiness requirements and is approved only for the above described aircraft, subject to conformity inspection by a person authorized in 14 CFR 43.7. Compatibility of this design change with previously approved modifications must be determined by the installer.

1/11/10 Date
 Signature of FAA Inspector - SAN FSDO, WP 09


4. Unit Identification				5. Type	
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 INSTRUMENT OVERHAUL SERVICE 1981 N MARSHALL AVE EL CAJON, CA 92020	B. Kind of Agency <input type="checkbox"/> U.S. Certificated Mechanic <input type="checkbox"/> Foreign Certificated Mechanic <input checked="" type="checkbox"/> Certificated Repair Station <input type="checkbox"/> Manufacturer	C. Certificate No. CB3R417L INST CLASS I-IV LIMITED AIRFRAME SPEC. SERVICE

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 <u>1/11/2010</u>	Signature of Authorized Individual 
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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 <input checked="" type="checkbox"/> APPROVED <input type="checkbox"/> REJECTED				
BY	FAA Flt. Standards Inspector	Manufacturer	Inspection Authorization	Other (Specify)
	FAA Designee	X Repair Station	Person Approved by Transport Canadian Airworthiness Group	

Date of Approval or Rejection <u>1/11/2010</u>	Certificate or Designation No. <u>CB3R417L</u>	Signature of Authorized Individual 
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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.)

INSTALLED GARMIN GNS 430 COM/NAV/GPS IN AIRCRAFT RADIO STACK. INSTALLATION DONE IN ACCORDANCE WITH GARMIN INSTALLATION MANUAL #190-00140-02 REV R NOV 2006. THIS IS A FOLLOW UP INSTALLATION TO STC #SA00705WI PREVIOUSLY APPROVED IN A PIPER PA 32 WITH THE FOLLOWING EXCEPTION: INSTALLED IN A GRUMMAN AA5B.

INTERFACED TO AIRCRAFT RADIO POWER BUSS AND EXISTING CENTURY NSD 360A HSI SYSTEM. INSTALLED 5 AMP CIRCUIT BREAKER LABELED "NAV 1". INSTALLED 10 AMP CIRCUIT BREAKER LABELED "COM 1".

INTERFACED TO EXISTING ENCODER. PERFORMED ALTIMETER, STATIC SYSTEM, TRANSPONDER AND ENCODER TESTS IN ACCORDANCE WITH FAR 91.411 AND 91.413. SYSTEM MEETS PART 43 APPENDIX E AND F.

ALL WORK DONE WITH REFERENCE TO AC 20-138A AND AC 43.13-1B CHAPTERS 4, 7, 10, 11 AND 12; AND AC 43.13-2B CHAPTERS 2 AND 3.

ELECTRICAL LOAD TEST PERFORMED. TOTAL LOAD DOES NOT EXCEED 80% OF SYSTEM GENERATING CAPACITY.

FUNCTIONAL TESTS PERFORMED WITH SATISFACTORY RESULTS. RF TRANSMIT FREQUENCY TESTS PERFORMED. GPS OPERATES NORMALLY UNDER ALL TESTED CONDITIONS.

WEIGHT AND BALANCE CHANGE ENTERED IN AIRCRAFT RECORDS. AIRCRAFT EQUIPMENT LIST UPDATED.

AIRCRAFT LOG ENTRY REFLECTING THIS CHANGE MADE THIS DATE.

EQUIPMENT FAA INSTRUCTIONS FOR CONTINUED AIRWORTHINESS PROVIDED TO OWNER/OPERATOR THIS DATE.

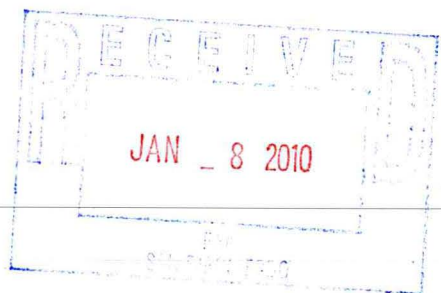
OWNERS MANUALS AND CD PROVIDED TO OWNER OPERATOR THIS DATE.

FAA APPROVED AIRCRAFT FLIGHT MANUAL SUPPLEMENT DATED 1/11/2010 INSTALLED IN AIRPLANE FLIGHT MANUAL THIS DATE.

----- E N D -----

Signature of Licensed Aircraft Repairman

Signature of Licensed Aircraft Repairman



Additional Sheets Are Attached