

JAN 26 2007



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 Grumman American AVN	Model AA-5B
	Serial No. AA5B1298	Nationality and Registration Mark N414DJ
2. Owner	Name (As shown on registration certificate) Super Tiger LLC	Address (As shown on registration certificate) 16192 Coastal Hwy. Lewes, DE 19958-9450

The data identified herein complies with the applicable airworthiness requirements and is approved for the above described aircraft, subject to conformity inspection by a person authorized on FAR Part 43, Section 43.7

SBN FSDO 1/23/07
Date Signature of FAA Inspector

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 John Sjaardema 2326 W. Clark St. Rensselaer, IN 47978	B. Kind of Agency <input checked="" type="checkbox"/> U.S. Certificated Mechanic <input type="checkbox"/> Foreign Certificated Mechanic <input type="checkbox"/> Certificated Repair Station <input type="checkbox"/> Manufacturer	C. Certificate No. [REDACTED]
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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 January 26, 2007	Signature of Authorized Individual [REDACTED]
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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 January 26, 2007		Certificate or Designation No. [REDACTED]	Signature of Authorized Individual [REDACTED]	

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

Para A

This 337 form is a revision to a previously approved 337 form dated December 13, 2006 concerning HID light system. This system and light assembly have been removed from nose bowl assembly. The following paragraph describes the installation of this lighting system in each wing tip. Note these wings tips have been previously altered as per STC #SA4740NM owned by Josef G. Brauer. See attached copy of STC and 337 form concerning this alteration. Note as well from attached log book entry the Registration # has been changed since this earlier alteration. Removed existing PAR36 landing lights from the left and right wingtips. Installed XeVision High Intensity Discharge (HID) light assemblies (kit # XV-36-SL) into the vacated positions. The ballasts were mounted adjacent to the light utilizing Click Bond stud kit (P/N 04-06020) fasteners. No holes were drilled into any structures. The existing switches, wiring, and circuit protection were reused. The provided HID wire harness from the ballasts to the lights were routed directly and secured for chafe protection. All work was performed in accordance with AC43.13-1B CH. 11 (SEC 3) PAR 11-31, 32, 37 (SEC 4) PAR 11-48 and XeVision installation instructions. Amended aircraft Weight and Balance and Equipment List.

Para B Continued Airworthiness

1. Introduction: This installation was accomplished to increase landing light illumination and to increase the service life of the landing light.
2. Description: Removed existing landing light and installed XeVision HID light.
3. Control Operation: The light is controlled with the existing aircraft landing light switch. There are no special procedures.
4. Servicing Information: The components are not field repairable and must be replaced with approved components.
5. Maintenance Instructions: This lighting system is to be maintained in accordance with FAR part 43.13. Inspections are to be performed in accordance with FAR part 43.15.
6. Troubleshooting Information: If the circuit breaker pops, replace the ballast unit. If the light does not illuminate, remove the lamp or ballast, verify function and replace as required. Bench testing must be done in accordance with the XeVision installation and operation instructions which contain warnings for bench testing.
7. Removal and Replacement Information: The HID lamp is removed and replaced in the same manner as the original lamp. The ballast is attached to the firewall using standard procedures and hardware. The wire harness between the ballast and the lamp shall be removed in accordance with the XeVision installation and operation instructions.
8. Diagrams: Access is through the removal of the cowl. No diagrams are required.
9. Special Inspection Requirements: Not Applicable.
10. Application of Protective Treatments: Not Applicable.
11. Special Hardware: Not Applicable.
12. Special Tools: Not Applicable.
13. Commuter Category Aircraft: Not Applicable.
14. Recommended Overhaul Periods: Not Applicable.
15. Airworthiness Limitations: There are no additional airworthiness limitations.
16. Revisions: To revise these instructions for continued airworthiness, a letter will be submitted to the local Flight Standards District Office with a copy of the revised Form 337 and revised ICA.
17. Implementation and Record Keeping: These instructions for continued airworthiness are to be placed in the aircraft permanent records and referred to during aircraft systems inspections and maintenance.

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