



US Department
of Transportation
Federal Aviation
Administration

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

Form Approved
OMB No. 2120-0020
11/30/2007

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 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. §44701). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. §46301(a))

1. Aircraft	Nationality and Registration Mark N314JG	Serial No. AA5B-0083	
	Make Grumman	Model AA5B	Series
2. Owner	Name (As shown on registration certificate) James R. Grieco	Address (As shown on registration certificate) Address 102 Pelican Pt City Bloomingtondale State Ga Zip 31302 Country USA	

3. For FAA Use Only

The alteration or repair identified herein complies with the applicable airworthiness requirements and is approved for use only on the above described aircraft, subject to conformity inspection by a person authorized in FAR 43.7.

Donald H. Severs
Donald H. Severs, ASI

ATL-FSDO-11

MAY 07 2007

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME		(As described in Item 1 above)	
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT			
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type Manufacturer		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name Brian Rempe	Address 389 Airport Road City Claxton State Ga Zip 30417 Country USA	<input checked="" type="checkbox"/> U. S. Certified Mechanic	Manufacturer
		Foreign Certified Mechanic	C. Certificate No.
		Certified Repair Station	207100573 AAD
		Certified Maintenance Organization	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 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.

Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/>	Signature/Date of Authorized Individual <i>[Signature]</i> 5/24/07
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7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☐ Approved ☐ Rejected

BY	FAA Flt. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
	FAA Designee	Repair Station X	Inspection Authorization	

Certificate or Designation No. [Redacted]	Signature/Date of Authorized Individual <i>[Signature]</i> 7/19/07 CHARLES W. MCKENNA
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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.)

N314JG

Nationality and Registration Mark

5/24/07

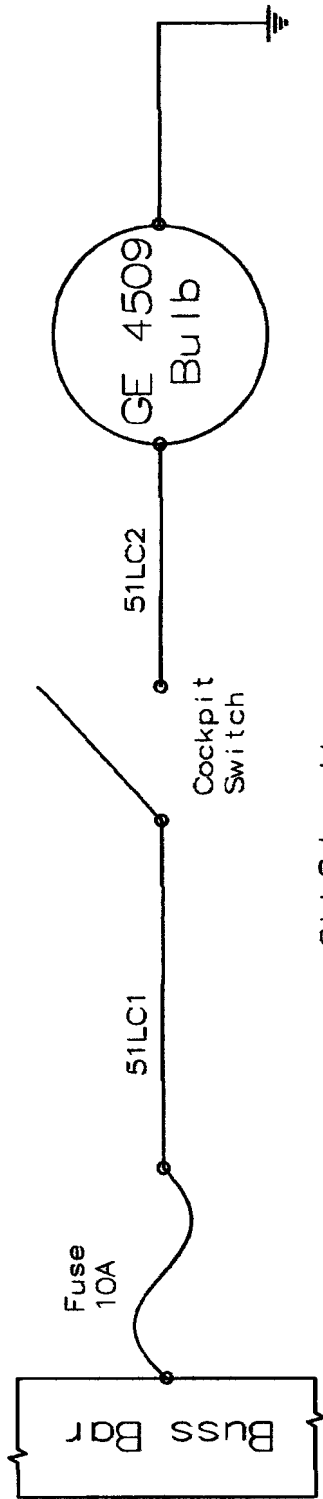
Date

Removed existing PAR 36 landing light from the cowl. Installed XeVision High Intensity Discharge (HID) light assembly (kit # XV1A36SL-6-50) into the vacated position per drawing AA5B-0083-003. The ballast was mounted on the firewall. The existing switches, wiring, and circuit protection were reused. The provided HID wire harness from the ballast to the light was 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 Drawing AA5B-0083-003 and XeVision installation instructions. Amended aircraft Weight & Balance and Equipment List. Also refer to previously approved 337 (attached) for N74418 dated Oct. 17, 2006.

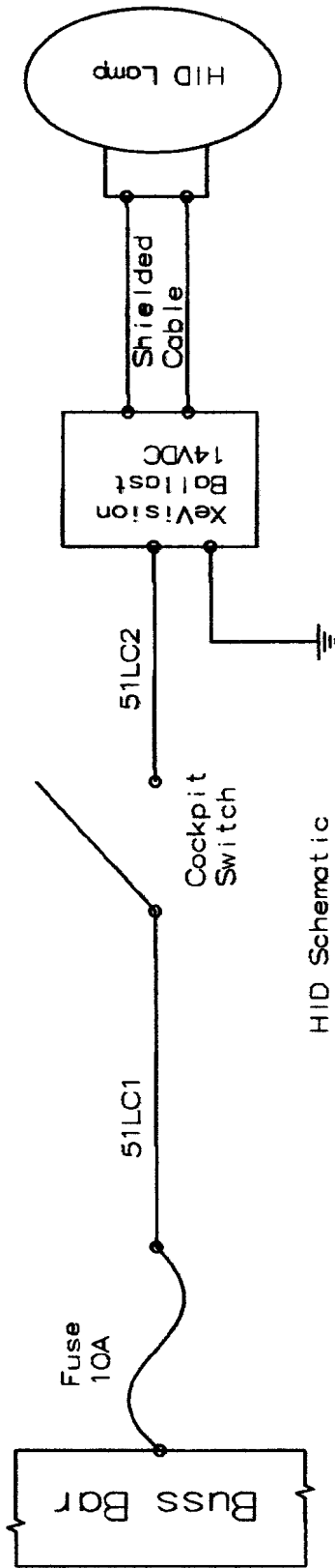
The following are instructions for continued airworthiness for this altered airframe.

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: N/A
10. APPLICATION OF PROTECTIVE TREATMENTS: N/A
11. SPECIAL HARDWARE: N/A
12. SPECIAL TOOLS: N/A
13. COMMUTER CATEGORY AIRCRAFT: N/A
14. RECOMMENDED OVERHAUL PERIODS: N/A
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.

*****NOTHING FOLLOWS*****



Old Schematic
From Gruman MM
33-4-1 Page 1, Figure 1



HID Schematic

Grumman AA5B

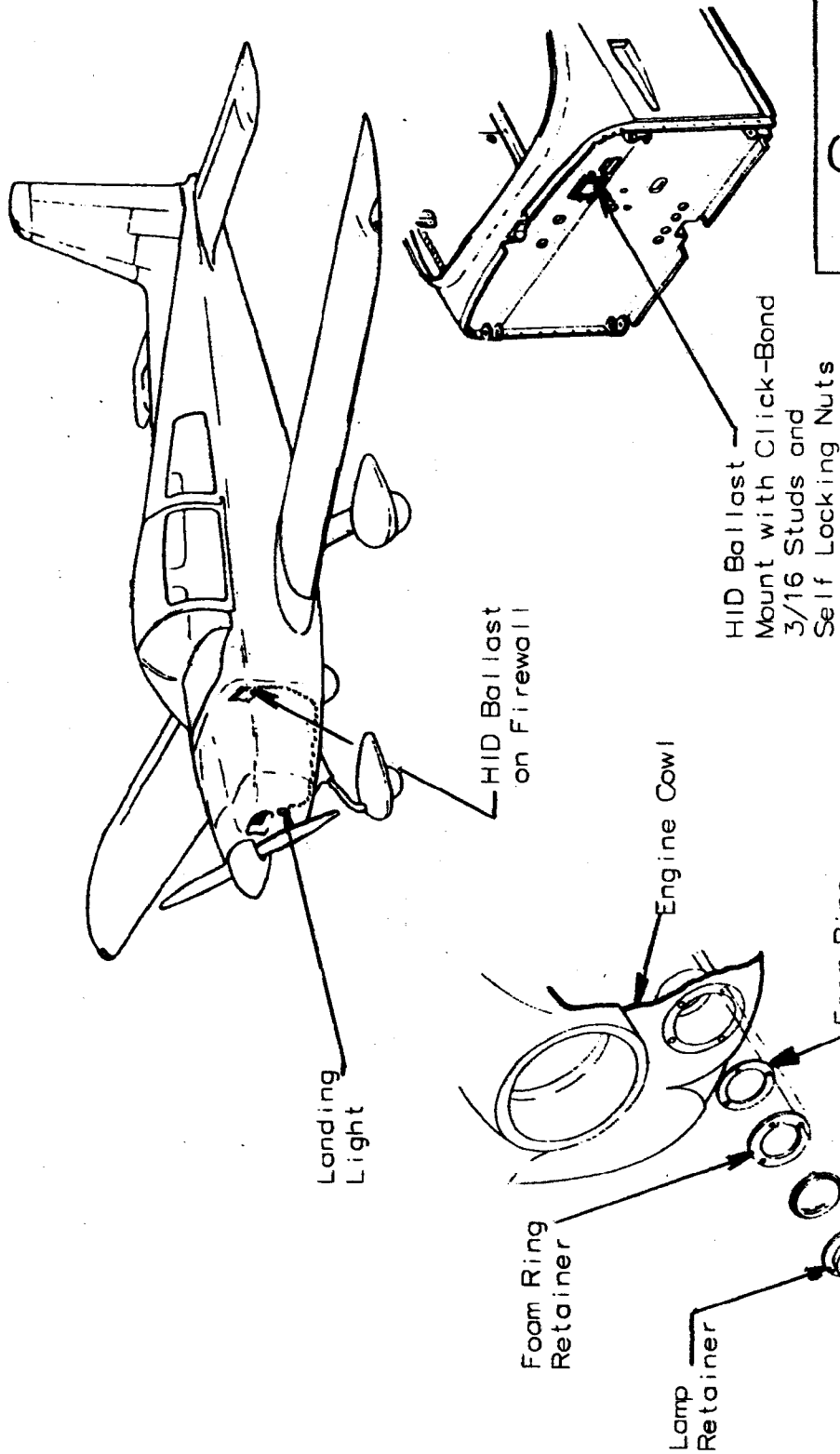
XeVision HID Landing Light Installation

AA5B-0083-003

Drawn By	James Grieco
Layout By	
Group Lead	
Date	04/27/2007

Scale: None

Sheet 1



Grumman AA5B

XeVision HID Landing Light Installation

AA5B-0083-003

Drawing Number

Scale: None

Sheet 2

Drawn By	James Grieco
Laid Out By	
Group Lead	
Date	04/27/2007

Lamp Mechanical Inst l
Same as GE4509 Bulb
Except use 2 Vibration Isolator Rings