



U.S. 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 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)).

<b>1. Aircraft</b>	Nationality and Registration Mark N2725V	Serial No. 177RG0672	
	Make Cessna	Model 177RG	Series
<b>2. Owner</b>	Name (As shown on registration certificate) George A Boyles		
	Address (As shown on registration certificate) Address 7131 Rothland St		
	City	Dallas	State TX
	zip	75227-1833	Country USA

**3. For FAA Use Only** *The alteration or repair identified herein complies with the applicable airworthiness standards and is approved for use only on the above described aircraft, subject to conformity inspection by a person authorized in § 43.7.*

2019      12/09/2009      *[Signature]*  
 District Office      Date      FAA Inspector

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

<b>A. Agency's Name and Address</b>		<b>B. Kind of Agency</b>	
Name	Efinger Aviation & Maint	<input checked="" type="checkbox"/>	U.S. Certificated Mechanic
Address	554 Aviator Dr	<input type="checkbox"/>	Foreign Certificated Mechanic
City	FT. Worth State TX	<input type="checkbox"/>	Certificated Repair Station
Zip	76179-5434 Country USA	<input type="checkbox"/>	Certificated Maintenance Organization
		<b>C. Certificate No.</b> 267630558	

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	John M Efinger 9-Dec-2009
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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 Fit. Standards Inspector	Manufacturer	Maintenance Organization	Person Approved by Canadian Department of Transport
	FAA Designee	Repair Station	<input checked="" type="checkbox"/> Inspection Authorization	Other (Specify)

Certificate or Designation No. 267630558	Signature/Date of Authorized Individual <i>[Signature]</i> John M Efinger 9-Dec-2009
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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.)

N2725V

Nationality and Registration Mark

9-Dec-2009

Date

**Cessna Model 177RG S/N 177RG0672 Reg. # N2725V Tach: 5118.9 TTAF: 5118.9**

- Installed XeVision™ HID Taxi Lamp System. The Lamp assembly was installed in the original L.H Cowlng lamp position without changes to the factory components.

Wiring was accomplished to the standards found in the applicable sections of AC43.13-1B to include the following:

Wire selection IAW section 4, EMI section 11-106, Interference test for installed equipment & power input test 11-107

This installation decreases the total electrical load capacity of the original installation.

See attachment for Continued Airworthiness Instruction

**No Change to Aircraft Weight & Balance**

Additional Sheets Are Attached

# Instructions for Continued Airworthiness (ICA)

Cessna 177RG    S/N 177RG0672    Reg. #N2725V    9-Dec-2009    System: Airframe

**Introduction:** This document pertains to the installation of XeVision™ HID Taxi Lamp System to replace the original aircraft 100W Taxi Lamp

1. **Description:** The XeVision™ HID Taxi Lamp installation was accomplished in accordance with the standard wiring installation guidelines found in AC43.13-1B. No alteration of the airframe is required apart from removal & installation of the original Taxi Lamp and the installation of the Power Supply on the Engine side of Firewall adjacent to the Voltage regulator to pre-existing Airframe support brace with standard mounting hardware. The OEM power supply wiring from the Instrument Panel Rocker Switch was utilized. (2ea) Molex Connectors are attached to the Upper Engine mount to allow disconnect during lower cowl removal with standard WDG Clamps & hardware to retain the original Cessna intent for Cowl removal and installation. The harness was attached with the original clamps and hardware to the lower cowling.
2. **Control, operation information:** is the same as original equipment
3. **Servicing information:** In accordance with the applicable Cessna 177RG Maintenance Manual
4. **Maintenance Instruction:** The Power Supply Unit or Lamp Assy must be sent back to the manufacturer for any repairs and/or replacement.
5. **Troubleshooting:** No special troubleshooting instructions are applicable
6. **Removal & replacement information:** as specified in the applicable Cessna 177RG Maintenance Manual
7. **Diagrams:** No special diagrams are applicable
8. **Special Inspection requirements:** None
9. **Application of protective treatments:** as specified in the applicable Cessna 177RG Maintenance Manual
10. **Data:** No special data instructions are applicable.
11. **List of special tools:** None required for this installation
12. **Commuter Category Aircraft:** Not applicable
13. **Recommended overhaul periods:** None required
14. **Airworthiness limitation section:** Not applicable
15. **Revision:** Any revisions to this document which supplement or obsolete any of these sections in a substantive manner, affecting airworthiness or operation, will be forwarded to the current owner of the aircraft should the necessity arise. Revision will have been previously accepted by the FAA superseding this (ICA) and the appropriate record maintenance entry will be made in aircraft logbook identifying the revision, changes made, and the date on the FAA form 337.