

12) List of Special Tools:

None.

13) Commuter Category Aircraft:

Not applicable.

14) Recommended Overhaul Periods:

Not Applicable

15) Airworthiness Limitations:

None.

16) Revision:

If a revision is required, revision will be submitted to the local FAA FSDO in writing, including the referenced FAA Form 337 & proposed changes to said document.

ICA for AeroLEDs AeroSun LED Light Bulb Installation
N9294N Piper PA-32R-301 s/n 3246104

- 1) Introduction:
Replaced existing Nose Landing Gear mounted Taxi / Landing Light bulb with AeroLEDs AeroSun SunSpot landing light bulb.
- 2) Description:
Replaced existing Nose Landing Gear mounted taxi / landing light bulb with new AeroLEDs AeroSun SunSpot Landing light. The existing mounting bracket is used. The light is operated through the existing Taxi / Landing Light Switch & is circuit protected using the existing 15 Amp Taxi / Land Light Circuit Breaker. This aircraft is also equipped with wingtip mounted Landing / Taxi lights. Existing wiring is used. The new bulb produces an acceptable, improved, level of light for night landing & taxiing. Installation was performed i/a/w AeroLEDs' installation instructions, Piper PA-32R -301 Maintenance Manual & FAA Form 337 dated 12/08/08. Note: This aircraft utilizes a 24 volt electrical system & therefore uses a GE 4591 bulb. The GE 4591 is identical in size, shape, fit & function as the 12 volt GE 4509. The AeroSun SunSpot is designed for input voltage of 9 volt to 28.8 volt.
- 3) Control & Operation:
No change.
- 4) Servicing Information:
Piper PA-32R-301 Maintenance Manuals.
- 5) Maintenance Instructions:
Piper PA-32R-301 Service / Maintenance Manuals, AC43.13-1B Ch. 11.
- 6) Troubleshooting Information:
Not Applicable.
- 7) Removal & Replacement Information:
Piper PA-32R-301 Maintenance Manuals.
- 8) Diagrams:
AeroSun Installation Instructions & Piper PA-32R-301 Wiring Diagrams.
- 9) Special Instructions:
None.
- 10) Application of Protective Treatments:
None.
- 11) Data:
AeroSun Installation Instructions & Piper PA-32R-301 Wiring Diagrams.

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.)

N9294N

12-12-09

Nationality and Registration Mark

Date

Replaced existing Nose Landing Gear mounted taxi / landing light bulb with new AeroLEDs AeroSun SunSpot Landing light. The existing mounting bracket is used. The light is operated through the existing Taxi / Landing Light Switch & is circuit protected using the existing 15 Amp Taxi / Land Light Circuit Breaker. This aircraft is also equipped with wingtip mounted Landing / Taxi lights. Existing wiring is used. The new bulb produces an acceptable, improved, level of light for night landing & taxiing. Installation was performed i/a/w AeroLEDs installation instructions, Piper PA-32R -301 Maintenance Manual & FAA Form 337 dated 12/08/08. Note: This aircraft utilizes a 24 volt electrical system & therefore uses a GE 4591 bulb. The GE 4591 is identical in size, shape, fit & function as the 12 volt GE 4509. The AeroSun SunSpot is designed for input voltage of 9 volt to 28.8 volt.


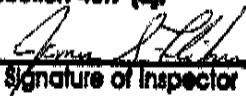

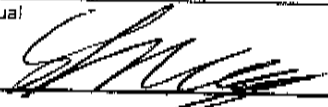
This modification was found to not interfere with any other systems or equipment & does not exceed 80% of alternator output. RFI output was found to not interfere with radios or avionics. Wig Wig flasher system is not installed on this aircraft.

Modification is to be maintained i/a/w Piper PA-32R-301 Maintenance Manuals & AC43.13-1B, Ch. 11, Sec. 8.

Aircraft Weight & Balance / Equipment List revised.

END

Additional Sheets Are Attached

 US Department of Transportation Federal Aviation Administration		MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)		Form Approved OMB No. 2120-0020 2/28/2011	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 N9294N		Serial No. 3246104		
	Make PIPER		Model PA-32R-301	Series	
2. Owner	Name (As shown on registration certificate) LAWSON PHILIP W		Address (As shown on registration certificate) Address 406 PINEHURST ST		
			City VICKSBURG	State MS	Zip 39180-5452 Country USA
3. For FAA Use Only					
The data/effort identified herein complies with the applicable airworthiness requirements and is approved only for the above described aircraft, subject to conformity inspections by a person authorized in FAR Part 43, Section 43.7 (a). <i>12/07/2009</i>  FW-FSDO-31 Date Signature of 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					
A. Agency's Name and Address			B. Kind of Agency		
Name FRANK MAY			<input checked="" type="checkbox"/> U. S. Certified Mechanic		Manufacturer
Address 5855 HWY 61 SOUTH			<input type="checkbox"/> Foreign Certified Mechanic		C. Certificate No.
City VICKSBURG State MS			<input type="checkbox"/> Certified Repair Station		
Zip 39180 Country USA			<input type="checkbox"/> Certified Maintenance Organization		426239616
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 FRANK MAY  12-12-09			
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 <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Rejected					
BY	FAA Fit. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport	
	FAA Designee	Repair Station	<input checked="" type="checkbox"/> Inspection Authorization	Other (Specify)	
Certificate or Designation No. 426239616		Signature/Date of Authorized Individual FRANK MAY  12-12-09			