



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 a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

<b>1. Aircraft</b>	Make <p style="text-align: center;">MOONEY</p>	Model <p style="text-align: center;">M-18L</p>
	Serial No. <p style="text-align: center;">51</p>	Nationality and Registration Mark <p style="text-align: center;">N119C</p>
<b>2. Owner</b>	Name (As shown on registration certificate) E.G. Gramman, Trustee of trust dated March 10, 1984	Address (As shown on registration certificate) 1967 Garrison Way El Cajon, Ca. 92019-2646

~~the data on this form should be used for the above described~~  
~~aircraft, subject to conformity inspection by a person authorized in~~  
~~FAR 43.7,~~

**3. For FAA Use Only**  
**04-09-98**      **WP-SAN-FSDO**  
Date                      Signature of FAA Inspector  
*Dan Johnson*  
Principal Maintenance Inspector

4. Unit Identification				5. Type		
Unit	Make	Model	Serial No.	Repair	Alteration	
AIRFRAME	<i>..... (As described in Item 1 above) .....</i>					
POWERPLANT	Lycoming	0-145-B2	5780-2		XX	
PROPELLER						
APPLIANCE	Type					
	Manufacturer					

6. Conformity Statement		
A. Agency's Name and Address	B. Kind of Agency	C. Certificate No.
E. O. Hazlewood 1880 Joe Crosson Dr. El Cajon, Ca. 92020	<input checked="" type="checkbox"/> U.S. Certified Mechanic	A&P1655569
	<input type="checkbox"/> Foreign Certified Mechanic	
	<input type="checkbox"/> Certified Repair Station	
	<input type="checkbox"/> Manufacturer	

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 <p style="text-align: center;">04-15-98</p>	Signature of Authorized Individual <i>E.O. Hazlewood</i> E.O. Hazlewood
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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 type="checkbox"/> APPROVED <input type="checkbox"/> REJECTED				
BY	FAA Fit Standards Inspector	Manufacturer	XX Inspection Authorization	Other (Specify)
	FAA Designee	Repair Station	Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection <p style="text-align: center;">04-15-98</p>		Certificate or Designation No. <p style="text-align: center;">1655569</p>	Signature of Authorized Individual <i>E.O. Hazlewood</i> E.O. Hazlewood	

### 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.)

- 1/ This modification is for the conversion of Lycoming 0-145-B2 Ser.# 5780-2.
- 2/ This work performed is in replacing the existing single intake and exhaust valve springs & retainers (seats), with dual valve springs & retainers on each valve.
- 3/ The work performed is in accordance with Lycoming Overhaul Manual and standard aircraft practices.

All new factory parts were used:

Part# Removed	Part# Installed
45440 Seat (Retainer) Lower	45472 Seat (Retainer) Lower
45441 Seat (Retainer) Upper	45471 Seat (Retainer) Upper
45453 Spring "B" engine only	45473 Spring Outer
	45474 Spring Inner

- 4/ By performing this work there is an increase in horsepower from 65HP on the 0-145-B2 to 75HP on the 0-145-C2.
- 5/ A supplement to the Aircraft Flight Manual has been added to the existing Flight Manual.  
No weight change.

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