



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 Cessna	Model 172 M
	Serial No. 17265230	Nationality and Registration Mark N64442
2. Owner	Name (As shown on registration certificate) Hollis, Richard A. Hollis, Debra J.	Address (As shown on registration certificate) 325 Center St. Auburn, ME 04210

3. For FAA Use Only

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	B. Kind of Agency	C. Certificate No.
D.M> Twitchell 8 Twitchell Rd. Turner, ME 04282	<input checked="" type="checkbox"/> U.S. Certificated Mechanic	2305186
	<input type="checkbox"/> Foreign Certificated Mechanic	
	<input type="checkbox"/> Certificated 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 05-07-2006	Signature of Authorized Individual
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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 05-07-2006		Certificate or Designation No. 2305186	Signature of Authorized Individual 	



US Department of Transportation
Federal Aviation Administration

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United States of America
Department of Transportation -- Federal Aviation Administration
Supplemental Type Certificate

Number SA01801AT

This certificate issued to

Power Flow Systems, Inc.
1585 Aviation Center Parkway
Hangar #804
Daytona Beach, FL 32114

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 3 and part 36 of the Civil Air and CFR 14 Regulations.

Original Product - Type Certificate Number: 3A12 A4EU 3A17

Makes: Cessna; Cessna-Reims Aviation

Model: 172, A-H; 172 I; 172 K-N, P;
172Q, 172R, 172S; F172D thru F172H;
F172K-N, F172P; 175, 175A, 175B, 175C

Description of Type Design Change:

For the Cessna 172 airplane models incorporating Lycoming O-320 engines: Modification of the standard exhaust system as documented in Laminar Flow Systems Installation Instructions Document, "Laminar Flow System Extractor Exhaust System" Revision A, dated, November 20, 1998 and Technical Drawing List, Book No. PFS-B-800, dated, November 16, 1998 or per Power Flow Systems, Inc. Installation Instructions Document PFS-0058-00, Rev. A, dated October 5, 2001 and Master Drawing List, Report No. PFS-0032-00, Rev. IR, dated August 10, 2000, or later FAA approved revisions.

For the Cessna 172 and 175 airplane models incorporating Lycoming O-320, O-360 or IO-360 engines: Modify the standard exhaust system as document in Power Flow Systems, Inc. Installation Instructions Document PFS-13250-00, Rev B, dated, December 9, 2002 and Master Drawing list PFS-13240-00, Rev, IR, dated October 3, 2002, or later FAA approved revisions.

Limitations and Conditions: This approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated, unless it is determined by the installer that the interrelationship between this change and any other previously approved modifications will produce no adverse effect upon the airworthiness of that airplane. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked or a termination date is otherwise established by the Administrator of the

Date of application: May 30, 1997

Date reissued: June 22, 2000; October 16, 2003

Date of issuance: January 07, 1999

Date awarded: July 24, 2003; August 22, 2003;
September 14, 2004

Federal Aviation Administration



By direction of the Administrator

Christina L. Marshall
(Signature)

Melvin D. Taylor
Manager
Atlanta Aircraft Certification Office

(Title)