

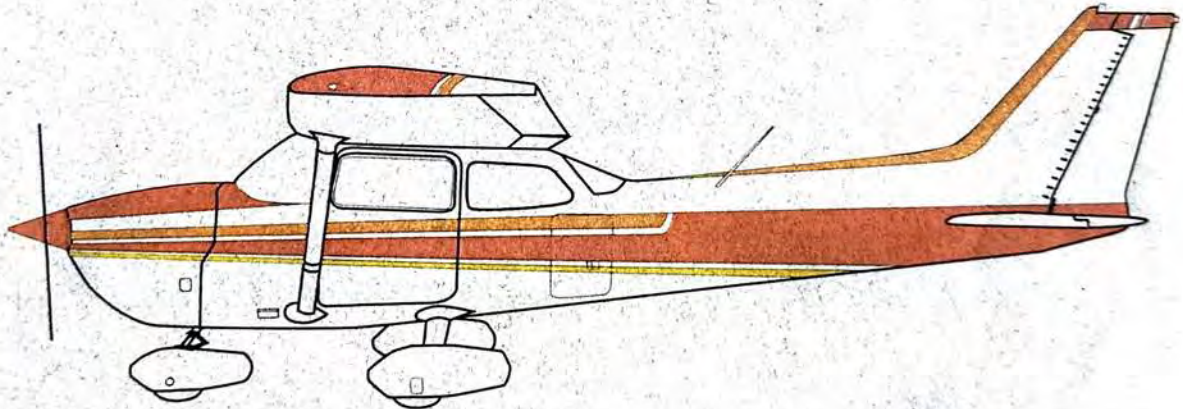


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# INSTALLATION MANUAL

## MICRO VORTEX GENERATOR KIT

### CESSNA 172 SERIES CESSNA 175A, 175B, 175C



MICRO AERODYNAMICS DOCUMENT MA2139

STC#: SA00831SE

Prepared by: *K. Goss*  
K. GOSS

Date: 3/22/2018





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))

<b>1. Aircraft</b>	Nationality and Registration Mark <b>U.S.A N64472</b>	Serial No. <b>17265230</b>	
	Make <b>Cessna</b>	Model <b>172M</b>	Series <b>172</b>
<b>2. Owner</b>	Name (As shown on registration certificate) <b>PAUL LAPOUNT</b>		Address (As shown on registration certificate) <b>32884 S. MAXTON RD</b>
			City <b>DRUMMOND ISLAND</b> State <b>MI</b> Zip <b>49726</b> Country <b>U.S.A.</b>

**3. For FAA Use Only**

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 <b>DAVID L. WAITE</b>		<input checked="" type="checkbox"/> U. S. Certificated Mechanic	<input type="checkbox"/> Manufacturer
Address <b>25787 W. LAKE SHORE DR</b>		<input type="checkbox"/> Foreign Certificated Mechanic	C. Certificate No.
City <b>BRIMLEY</b> State <b>MI</b>		<input type="checkbox"/> Certificated Repair Station	
Zip <b>49715</b> Country <b>U.S.A.</b>		<input type="checkbox"/> Certificated Maintenance Organization	<b>522649606</b>

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 <b>CPJAK</b>
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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	Persons Approved by Canadian Department of Transport
	FAA Designee	Repair Station	<input checked="" type="checkbox"/> Inspection Authorization	Other (Specify)

Certificate or Designation No. <b>522649606</b>	Signature/Date of Authorized Individual <b>CPJAK 08 JULY 2020</b>
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## Authorization for the use of Supplemental Type Certificate

Micro AeroDynamics, Inc is the owner of the following STC and hereby authorizes the use of this STC on the following aircraft:

STC Number:	SA00831SE
Make:	Cessna
Model:	172M
Registration Number:	N64442
Serial Number:	17265230

Signed: *K Fritscher*

Date of Authorization: March 12, 2020

Authorization Reference: 36236

Micro AeroDynamics, Inc.



# Supplemental Type Certificate

*Number* SA00831SE

*This certificate, issued to*

**Micro AeroDynamics, Inc.  
4000 Airport Road, Suite D  
Anacortes, WA 98221**

*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 \* of the \* Regulations.*

*Original Product—Type Certificate Number:*

\*See attached FAA Approved Model List (AML)

*Make:*

No. SA00831SE for a list of approved airplane

*Model:*

models and applicable airworthiness regulations.

*Description of the Type Design Change:* Installation of vortex generators on the wings and tail surfaces in accordance with the provisions of AML SA00831SE.

NOTE: If more than five vortex generators are damaged or missing, the aircraft is not airworthy.

*Limitations and Conditions:* Approval of this change in type design applies to the aircraft listed on AML SA00831SE only. This approval should not be extended to other aircraft on which other previously approved modifications are incorporated unless it is determined that the relationship between this change and any other previously approved modifications, including changes in type design, will introduce no adverse effect upon the airworthiness of that aircraft. A copy of this Certificate and AML must be maintained as part of the permanent records for the modified aircraft.

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 Federal Aviation Administration.*

*Date of application:* May 3, 2000

*Date reissued:*

*Date of issuance:* August 4, 2000

*Date amended:*



*By direction of the Administrator*  
*Adrian P. ...*  
(Signature)

Acting Manager, Seattle Aircraft  
Certification Office

(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

This certificate may be transferred in accordance with FAR 21.47.