

Supplemental Type Certificate

Number SA00514SE

This certificate, issued to **Micro AeroDynamics, Inc.
4000 Airport Rd., 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 3 of the Civil Air Regulations.

Original Product—Type Certificate Number: A7CE
Make: Cessna
Model: 421B

Description of the Type Design Change: Installation of vortex generators on the wings and rudder, and installation of a strake on the outboard side of each engine per Micro AeroDynamics Drawing MA2095 Revision A, dated November 7, 1997, and Installation Instructions MA2096, Revision IR, dated November 3, 1997, or later FAA approved revisions. In addition, gross weight is increased to 7579 pounds, and ramp weight is increased to 7680 pounds (Serial Numbers 421B0201 - 421B1100), and rudder travel is increased to 32 degrees (Serial Numbers 421B0001 - 421B0800).

- Option 1: No change in gross weight or stall speeds, AFMS not required.
- Option 2: Reduced stall speeds, and/or increase in ramp and gross take-off weight, AFMS required.

Limitations and Conditions: Approval of this change in type design applies to the above model aircraft 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. Additionally, if more than 5 vortex generators or either nacelle strake are damaged or missing, the aircraft is not to be considered airworthy. A copy of this certificate must be maintained as part of the permanent records for the modified aircraft.

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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: July 31, 1997

Date reissued:

Date of issuance: April 28, 1998

Date amended:



By direction of the Administrator

[Handwritten Signature]
(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.

United States of America
Department of Transportation—Federal Aviation Administration
Supplemental Type Certificate
(Continuation Sheet)

Number SA00514SE

Limitations and Conditions continued:

A copy of Airplane Flight Manual Supplement MA2097 (Serial Number 421B0001 - 421B 0200); MA2098 (Serial Number 421B0201 - 421B0500); MA2099 (Serial Number 421B0501 - 421B0800) Revision IR (Serial Number 421B0801 - 421B1100) all dated April 29, 1998 (Option 2 only) and a copy of this Certificate 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.

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