

Department of Transportation Federal Aviation Administration

# Supplemental Type Certificate

## Number ST01535SE

*This certificate, issued to*

**Quiet Wing Corporation  
12735 Willows Road NE  
Kirkland, WA 98034**

*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 25 of the Federal Aviation Regulations.*

<i>Original Product—Type Certificate Number:</i>	A16WE
<i>Make:</i>	Boeing
<i>Model:</i>	737-200 Airplane

*Description of the Type Design Change:* Incorporation of certain modifications in the aileron and flap systems in accordance with Quiet Wing Technologies, Incorporated, Master Drawing List No. QW-00001, Revision H, dated May 18, 2005, or later FAA approved revision.

*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 of this model on which other previously approved modifications are incorporated unless it is determined that the relationship between this change and any of those other previously approved modifications, including changes in type design, will neither introduce adverse effects upon the airworthiness of that aircraft nor change the certification status under parts 34 and 36. Modified aircraft shall be operated in accordance with the appropriate FAA approved Airplane Flight Manual Supplement.

This Supplemental Type Certificate (STC) may be combined with STC ST223CH. However, the holder of STC ST01535SE must conduct the appropriate analyses to ascertain that the combination complies with the Federal Aviation Regulations, parts 25, 34 and 36. Some combinations might require additional substantiation and FAA approval if there is a substantial airplane weight increase due to heavier engines that can affect the validity of previously done load and flutter analyses.

*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:* August 6, 2001

*Date reissued:*

*Date of issuance:* May 13, 2005

*Date amended:* June 22, 2005



*By direction of the Administrator*

*Adrian Pas...*  
(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* ST01535SE

*Limitations and Conditions (continued):*

Since Model 737 series airplanes may have different weights and be equipped with different Pratt & Whitney Model JT8D series engines, the limitations incorporated in the Airplane Flight Manual (AFM) Supplement must be tailored to those variables. The configuration number of the modification incorporated in the airplane, as listed in Quiet Wing Technologies, Inc., Master Drawing List QW-00001 must be shown in the AFM Supplement.

The modification to the aileron and flap systems must be maintained in accordance with Quiet Wing Technologies, Inc., Maintenance Manual Supplement, Document QWC737102, Revision B, dated May 17, 2005, or later FAA approved revision.

A copy of this certificate, and the FAA approved Airplane Flight Manual Supplement QWS737200QW-XXX must be maintained as part of the permanent records for the modified airplane; the letters XXX identify the airplane series model as listed in the airplane certificate data sheet.

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.

\*\*\*\*\* END \*\*\*\*\*