

United States of America  
Department of Transportation -- Federal Aviation Administration

# Supplemental Type Certificate

Number ST02838NY

This certificate issued to Quiet Wing Technologies, Inc.  
12324 134<sup>th</sup> Court NE  
Redmond, WA 98052

certifies that the change in the type design for the following product with the limitations and conditions therefore as specified hereon meets the airworthiness requirements of Part 25 of the Federal Aviation Regulations.

Original Product Type Certificate Number: A3WE  
Make: Boeing  
Model: 737-200  
Serial No. 22628 and 22431 Only

*Description of Type Design Change:*

- Modification of PATS Aircraft, LLC Auxiliary Fuel Tank System to be in compliance to SFAR 88 requirements for Boeing 737-200 airplane in accordance with Master Drawing List QWT737101, Rev A dated 06/17/10.
- The aircraft must be maintained in accordance with Instruction for Continued Airworthiness QWT737121 Rev C, dated 07/23/10.
- Quiet Wing Technologies, Inc. Airplane Flight Manual Supplement QWT737101-2W8A, Revision NC, FAA approved August 30, 2010 is also required for this modification.

*Limitations and Conditions:*

- The FAA approved Airworthiness Limitations in Section 2 of Instruction for Continued Airworthiness QWT737121 Rev C, dated 07/23/10 is mandatory.
- You cannot use the descriptive data about this design change to duplicate other products. This approval is limited to only the installation made in Boeing Model 737-200 Serial No. 22628 and 22431 Only with STC SA83NE Installed.
- Installation of this Supplemental Type Certificate provides an Alternate Method of Compliance (AMOC) to Airworthiness Directive AD 2008-22-01 for aircraft serial numbers 22628 and 22431 Only

(See Continuation Sheet 2)

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: June 11, 2008

Date reissued: November 8, 2011

Date of issuance: August 30, 2010

Date amended:



By direction of the Administrator

*Franco Pien*

(Signature)

Anthony Gallo  
Acting Manager  
New York Aircraft Certification Office

(Title)

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**Supplemental Type Certificate**  
(Continuation Sheet)

*Number* ST02838NY

Date of Reissue: November 8, 2011

*Certification Basis:*

Based on 14 CFR § 21.115 and § 21.101, and the FAA policy for changes that are not significant in FAA Order 8110.48, the certification basis for these modifications is as follows:

- a. The type certification basis for Boeing Model 737-200 series airplanes is shown in TCDS A16WE for parts not changed or affected by the change.
- b. The certification basis for parts changed or affected by the change since the reference date of application, June 11, 2008 is based upon 14 CFR § 25 requirements effective February 1, 1965 with the following exceptions: \_\_\_\_\_

25.301(a)(b)(c) Am 25-23  
25.303 Am 25-23  
25.305(a)(b) Am 25-86  
25.307(a) Am 25-72  
25.561(a)(b) Am 25-91  
25.561(c)(ii) Am 25-91  
25.571(a)(b) Am 25-45  
25.581(b) Am 25-23  
25.601 Orig.  
25.603 Am 25-46  
25.605 Am 25-46  
25.607 Am 25-23  
25.609 Orig.  
25.611 Am 25-23  
25.613 Am 25-112  
25.625 Am 25-72  
25.725(f) Am 25-75  
25.863 Am 25-46  
25.901 Am 25-46  
25.954 Am 25-14  
25.979 Am 25-72  
25.981 (a)(b) Am 25-102  
25.1301(a)(b)(c)(d) Orig  
25.1305(a)(2) Am 25-38  
25.1307(c) Am 25-72  
25.1309(a)(b)(c)(d)(g), Am 25-41  
25.1316(a)(b)(c) Orig  
25.1317 Am 25-122  
25.1337(b) Am 25-40  
25.1351 (a) Am 25-72  
25.1353(a)(b) Am 25-42  
25.1357 Orig

(See Continuation Sheet 3)

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**Supplemental Type Certificate**  
(Continuation Sheet)

*Number* ST02838NY

Date of Reissue: November 8, 2011

*Certification Basis:* (Continued)

25.1431 Orig  
25.1519 Orig  
25.1529 & Appendix H - Am 25-54  
25.1533 Am 25-92  
25.1543 Am 25-72  
25.1549 Am 25-40  
25.1553 Orig  
25.1583(a)(b)(c)(h) Am 25-105  
25.1585 Am 25-105

*Part 26 regulations*

Based on 14 CFR § 21.101(g), applicable provisions of part 26 are included in the certification basis. For any future part 26 amendments, the holder of this STC must demonstrate compliance with applicable sections. As of the issuance date of this STC, compliance has been found for the following regulations:

§ 14 CFR 26.11(a)(c)(d5), amendment 26-0  
§ 14 CFR 26.47(a)(c)(d)(e), amendment 26-1

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