

Supplemental Type Certificate

Number ST01827LA

This Certificate issued to Aeronautical Engineers, Inc.
7765 N.W. 54th Street
Miami, Florida 33166

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.

Original Product Type Certificate Number : A16WE

Make : Boeing

Model : 737-300 Series, 737-400 Series

Description of Type Design Change: Installation of a Main Deck Cargo Door in accordance with Cargo Door Drawing List for the B-737-300 Aircraft R-667, rev D, dated 8/5/05, or Cargo Door Drawing List for the B-737-400 Aircraft R-810, rev A, dated 5/10/2007. Installation of a Class E cargo compartment in accordance with Cargo Door Drawing List for the B-737-300 Aircraft R-668, Rev C, dated 5/23/05, or Cargo Modification Drawing List for the B-737-400 Aircraft R-811, Rev A, dated 5/10/2007, or later FAA approved revisions.

Limitations and Conditions: The additional installation of an FAA approved main deck cargo barrier which has been shown to be compatible with this STC is required. The installation should not be incorporated into any aircraft unless it is determined that the interrelationship between this installation and any previously approved configuration will not introduce any adverse effect upon the airworthiness of the aircraft. The approval of this modification applies to the above noted airplane model series only. 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. (Limitations and conditions continued on page 3)

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 2, 2001

Date reissued : June 6, 2006

Date of issuance : September 16, 2005

Date amended : August 21, 2007



By direction of the Administrator

(Signature)

Manager, Airframe Branch
Los Angeles 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.

United States Of America
Department of Transportation - Federal Aviation Administration
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Limitations and Conditions (continued):

Maintain in accordance with:

Boeing 737-300/-400 Freighter Maintenance Manual, Report R-817, Rev B, dated 4/25/2007, Supplemental Structural Inspection Document for the 737-300, Report no. AE737-2-600-3SSID, Rev. IR, dated 9/12/05, or Supplemental Structural Inspection Document for the Boeing 737-400 With a Cargo Conversion Modification, Report no. R-816, Rev. NC, dated 7/17/2007.

Operate in accordance with:

FAA Approved Airplane Flight Manual Supplement for Boeing 737-300/-400 with Cargo Door and Class "E" Cargo Compartment Installation, Report no. R-777, Rev. D, dated 8/9/2007, and Weight and Balance Control and Loading Manual Supplement, Report No. R-778, Rev. IR, dated 3/27/05 for the 737-300, or Weight and Balance Control and Loading Manual Supplement to Boeing Weight and Balance D043A540-XXX(or equivalent) Control and Loading Manual for B737-400 Series Aircraft Applicable to Aircraft Modified by AEI Supplemental Type Certificate ST01827LA, Report No. R-809, Rev. IR, dated 5/4/2007 for the 737-400, or later approved revisions to all documents.

Certification Basis: Based on 14 CFR §§ 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for the Boeing model 737-400 series aircraft with the Aeronautical Engineers Inc. cargo conversion STC is as follows:

- a. The type certification basis for the Boeing model 737-400 series airplanes is shown on TCDS A16WE for parts not changed or not affected by the change.
- b. The certification basis for parts changed or affected by the change since the referenced date of application, April 6, 2006, is based upon part 25 as amended by Amendment 25-117. Based upon 14 CFR §§ 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for this modification was determined to be 14 CFR part 25 effective February 1, 1965, including Amendments 25-0 through 25-117.

END

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