

United States of America
Department of Transportation -- Federal Aviation Administration
Supplemental Type Certificate
Number SA2969SO

This certificate issued to Pemco World Air Services, Inc.
4102 N. Westshore Blvd.
Tampa, FL 33614

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 A16WE
Make : Boeing
Model : 737-200/-300/-400

Description of Type Design Change: Cargo door installation in accordance with Pemco World Air Services, Inc., Master Data List (MDL) Report No. 2373 Revision T dated June 15, 2006 or later FAA approved revision.

Limitations and Conditions:

Airplane Flight Manual Supplement (AFMS), Pemco Report P03-003FM Revision 5 dated June 23, 2006, or later FAA approved revision, is a required part of this STC.

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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 : October 05, 1989

Date of issuance : June 28, 1991

Date reissued : June 29, 1998; November 5, 1999;
October 24, 2006; August 20, 2012;
August 31, 2012

Date amended : February 17, 1994; April 11, 2002;
August 27, 2002, May 7, 2003;
October 7, 2003; June 23, 2006



By direction of the Administrator

(Signature)

Melvin D. Taylor
Manager, Atlanta Aircraft Certification Office

INSTRUCTIONS: The transfer endorsement below may be used to notify the appropriate FAA Regional Office of the transfer of this Supplemental Type Certificate.

The FAA will reissue the certificate in the name of the transferee and forward it to him.

TRANSFER ENDORSEMENT

Transfer the ownership of Supplemental Type Certificate Number _____

to *(Name of transferee)* _____

(Address of transferee) _____

(Number and Street)

(City, State, and ZIP code)

from *(Name of grantor) (Print or type)* _____

(Address of grantor) _____

(Number and Street)

(City, State, and ZIP code)

Extent of Authority (if licensing agreement): _____

Date of Transfer: _____

Signature of grantor *(In ink)*: _____

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Number SA2969SO

Date of Issuance : June 28, 1991
Date Reissued : August 31, 2012
Date Amended : June 23, 2006

Limitations and Conditions (Continued):

Instructions for Continued Airworthiness (ICA), Pemco Report 2917 Revision C dated January 18, 2006 or later FAA approved revision, is part of this STC, and must be incorporated into the operator's maintenance program.

This STC, as amended April 11, 2002, requires the installation of Revision "G" to the MDL. This amendment is intended to approve only the structural provisions of Revision "G" of the MDL and does not cover systems and equipment upgrades contained in Revision "G".

This STC, amended April 11, 2002, or later, when installed in accordance with MDL Revision "G" or later, applies only to aircraft modified subsequent to the amendment date of April 11, 2002. Aircraft complying with the STC amendment of April 11, 2002, or later, are not subject to the Structural Airworthiness Directives applicable to this STC effective prior to this date. Installation of this STC, amended April 11, 2002, or later amendment, does not relieve the operator of aircraft with this STC installed from complying with Airworthiness Directives applicable to Boeing Model 737-200/300 aircraft that affect areas of the aircraft in the areas of the cargo door and fuselage shell reinforcement structure.

This STC, amended October 7, 2003, or later, when installed in accordance with Revision "K" of the MDL, applies only to aircraft modified subsequent to the amendment date of October 7, 2003. This amendment approves the systems and equipment upgrades associated with utilization of the aircraft hydraulics B system for cargo door operations. Compliance of this upgrade was shown on Boeing 737-300 aircraft. Thus, this STC, as amended on October 7, 2003, or later, when installed in accordance with Revision "K" of the MDL, applies only to 737-300 aircraft.

This STC, amended June 23, 2006, or later, when installed in accordance with Revision "T" of the MDL, applies only to Boeing Model 737-300/-400 aircraft modified subsequent to the amendment date of June 23, 2006.

The compatibility of this design change with other previously approved modification(s) must be determined by the installer. 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.

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 passenger to freighter is as follows:

- a. The type certification basis for Boeing Model 737-400 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 reference date of application of the latest amendment, March 15, 2005, is based upon part 25 as amended by amendment 25-117. 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 this modification was determined to be:

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Number SA2969SO

Date of Issuance : June 28, 1991
Date Reissued : August 31, 2012
Date Amended : June 23, 2006

Certification Basis (Continued):

14 CFR Part 25 Regulations

Regulations at the latest amendment 25-0 through 25-117

25.1, 25.23, 25.487, 25.495, 25.503, 25.507, 25.511, 25.561, 25.571, 25.601, 25.603, 25.605, 25.607, 25.609, 25.611, 25.613, 25.619, 25.623, 25.625, 25.685(a), 25.689(b), 25.703, 25.783(a)(b)(c)(d)(e)(f), 25.1301, 25.1307(c), 25.1309(a)(b)(c)(e)(f)(g), 25.1321, 25.1322, 25.1351(a)(b), 25.1353(a)(b), 25.1357(a), 25.1381, 25.1435, 25.1529, 25.1541, 25.1581

Regulations at an intermediate amendment

None

Regulations at the amendment level in TCDS A16WE

25.301, 25.303, 25.305, 25.307, 25.321, 25.331, 25.335, 25.337, 25.341, 25.349, 25.351, 25.365, 25.471, 25.473, 25.479, 25.481, 25.483, 25.485, 25.489, 25.491, 25.493, 25.499, 25.509, 25.629

14 CFR Part 26 regulations

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

26.11 (Amdt 26-0), 26.47 (Amdt 26-1).

Equivalent Level of Safety Findings (ELOS) has been found for the following regulation(s):

14 CEF § 25.783 (documented in Transport Airplane Directorate (TAD) ELOS memo SA8293-AT-T-S-1)

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