

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

Number ST01804LA

This Certificate issued to AirWorks, Inc.
21487 Ferrero Parkway
City of Industry, California 91789

*certifies that the change in the type design for the following product with the limitations and conditions therefore as specified herein meets the airworthiness requirements of Part 25 * of the Federal Aviation Regulations* * Certification basis is set forth in Type Certificate Data Sheet A16WE

Original Product Type Certificate Number : A16WE
Make : Boeing
Model : 737-200 Series

Description of Type Design Change: Installation of Lower Cargo Smoke Detection and Fire Suppression System in accordance with FAA Approved Master Data List Number 121-0348, Revision "D," dated July 15, 2005, or later FAA approved revision. FAA Approved Airplane Flight Manual Supplement, Document No. 121-0357, Revision "Original," dated July 11, 2005, or later FAA approved revision is required as part of this installation.

Limitations and Conditions: The installation should not be incorporated in 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. A copy of this STC must be included in the permanent records of 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. The fire suppression has been demonstrated to meet point-to-point concentration levels for a flight duration of 60 minutes. (Continued Page 3 of 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 : May 9, 2003
Date of issuance : August 5, 2005

Date issued :
Date amended :



By direction of the Administrator

Alan R. Shenseki
(Signature)

Manager, Cabin Safety/ Mechanical &
Environmental Systems 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.

Supplemental Type Certificate

(Continuation Sheet)

Number ST01804LA

Limitations and Conditions (Continued)

This system is applicable only to aircraft with lower forward and aft cargo compartment configurations as defined in the Autronics Drawing Number 98-2099, Revision "C" dated March 30, 2004, or later FAA approved revision.

The installation includes a smoke detection system with A and B loop circuits for smoke detection in lower cargo compartments and the following applies:

The A and B dual loop system, has been demonstrated to comply with the applicable airworthiness requirements with only one loop circuit operational, either A or B loop. All smoke detectors in either single A or B loop operating circuit will detect and report smoke as demonstrated in Autronics Report Number 121-0404, Revision "NC", dated December 20, 2004, Autronics Report Number 121-0411, Revision "NC", dated July 1, 2004, Autronics Report Number 121-0417, Revision "NC", dated December 3, 2003 and Pacific Scientific Report Number 51751191, Revision "A", dated January 5, 2005.

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