

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

*Number* ST01804LA

*This Certificate issued to*

Global AirWorks  
19933 Harrison Ave.  
City of Industry, California 91789

*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.*

*\*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 the 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 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:* September 3, 2005

*Date reissued:* October 24, 2006, October 29, 2009,  
March 1, 2010

*Date of issuance:* March 19, 2007

*Date amended:*



*By direction of the Administrator*

*Alan W. Shumate*  
(Signature)

Manager, Systems & Equipment 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 included 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.

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