

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

*Number* ST02144AT

*This certificate issued to* Advanced Aircraft Extinguishers, Ltd. (AAE, Ltd.)  
1412 West 40 Highway  
Blue Springs, MO 64015

*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 CAR 4b of the Civil Air Regulations.*

*Original Product--Type Certificate Number:* A3WE  
*Make:* Boeing  
*Model:* 727-100

*Description of Type Design Change:*

This modification will allow the installation of AAE's smoke detection and fire suppression system in the lower Class D cargo compartments to provide four hours of fire suppression time. This installation is in accordance with the AAE, Ltd. Master Drawing List (MDL) TFA10-0056, Rev. B, dated 05/26/00, or later FAA approved revisions.

*Limitations and Conditions:*

The FAA approved Airplane Flight Manual Supplements (AFMS), AAE, Ltd., report No. TFA09-0047, Rev. IR, dated June 9, 2000, or later FAA approved revisions is required. This approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated, unless it is determine by the installer that the interrelationship between this change and any other previously approved modifications will produce no adverse effect upon the airworthiness of that airplane. 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.

*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 1, 2000

*Date reissued:*

*Date of issuance:* June 9, 2000

*Date amended:*

*By direction of the Administrator*

*Robert R. Howdall*  
\_\_\_\_\_  
(Signature)



*for* Eugene L. Bollin  
Associate Manager, ACE-116A  
Atlanta Aircraft Certification Office

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(Title)