

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

*Number* SA1687WE

*This Certificate issued to* United Air Lines, Inc.  
600 Jefferson Street  
Houston, Texas 77002

*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:* A3WE

*Make:* Boeing

*Model:* 727-22, -22QC

*Description of Type Design Change:* Modify existing Collins Radio Company type FD-109 Flight Director installation to add "Steering", "Airspeed-Hold", and "Auto Approach" modes in accordance with FAA Approved United Air Lines Engineering and Maintenance Report F-1234 and FAA Approved United Air Lines Supplementary Revision 2 to Boeing Airplane Flight Manual D6-8727.1.

*Limitations and Conditions:* This approval should not be extended to other specific aircraft of this model on which other previously approved modifications are incorporated, unless it is determined that the interrelationship between this change and any of those other previously approved modifications will introduce no adverse effect upon the airworthiness of that 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.

*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:* November 30, 1967

*Date reissued:* November 30, 2011

*Date of issuance:* June 3, 1968

*Date amended:*



*By direction of the Administrator*

(Signature)

Haifa Haj-Eid  
Supervisor, Technical & Administrative Support Staff  
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.

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(Continuation Sheet)

NOTE:

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