

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

*Number* SA1033WE

*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 4b of the Civil Air Regulations.*

*Original Product Type Certificate Number:* 4A25

*Make:* Boeing

*Model:* DC-8-21, DC-8-31, DC-8-32, DC-8-33, DC-8-51, DC-8-52,  
DC-8-53, DC-8F-54, DC-8-55

*Description of Type Design Change:* Installation of either single or dual Collins AL-101 Radio Altimeter System(s) in accordance with FAA Approved United Air Lines Report Nos. F-1038 and No. F-1054.

*Limitations and Conditions:* This approval should not be extended to other 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. The DC-8-51, -52, -53, DC-8F-54, and DC-8F-55 aircraft which have the Douglas wiring & installation provisions for the dual Sperry radio altimeter system only. The approval of this change in type design is in accordance with UAL Report F-1054 and applies basically to the DC-8-51, -52, -53, -21, -31, -33, DC-8F-54 & DC-8F-55 which do not have previous altimeter system wiring. 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.

*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 25, 1965

*Date reissued:* November 30, 2011

*Date of issuance:* August 19, 1965

*Date amended:* September 14, 1965; October 13, 1965;  
August 9, 1966; October 31, 1975; November 19, 1975



*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.

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.

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### 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)*: \_\_\_\_\_

★U.S. GPO 1987-763-28

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