United States Of America

Department of Transportation - Federal Aviation Administration

Supplemental Type Certificate

Number SA5649NM-D

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. See Type Certificate Data Sheet A20WE for special conditions.*

Original Product Type Certificate Number : A20WE

Make: Boeing

Model: 747-021 (SP) Series

Description of Type Design Change: Installation of a Mark VII GPWS/Windshear Computer and associated warning and monitor lights in accordance with United Air Lines DAS-1-WE Approved Drawing List No. 5649 dated July 3, 1993 or later FAA approved revisions. United Air Lines Airplane Flight Manual Supplement to FAA Approved Flight Manual No. D6-34047.21 dated January 20, 1993 or later FAA approved revisions is required as part of the modification.

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 by the installer 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. 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 : December 1, 1992

Date of issuance : January 20, 1993

Date reissued : November 30, 2011

Date amended : July 3, 1993

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.

This certificate may be transferred in accordance with FAR 21.47.

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.

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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