

United States Of America  
Department of Transportation - Federal Aviation Administration

# Supplemental Type Certificate

*Number* SA7942SW

SA0461AC-T  
RMR-150

*This Certificate issued to* The Dee Howard Co.  
P. O. Box 469001  
San Antonio, TX 78246

*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. See STC Certification Basis for additional requirements.*

*Original Product Type Certificate Number :* A3WE

*Make :* Boeing

*Model :* 727 -1A7C, 108C; 727-172C; 727-173C ; 727-180C;  
727-185C ; 727-21C ; 727-22C ; 727-25C ; 727-27C;  
727-30C; 727-31C ; 727-51C ; 727-62C

*Description of Type Design Change:* Installation of Collins Dual Electronic Flight Instrument System (EFIS) 86U-12, Smiths Dual Air Data System, Sundstrand Ground Proximity Warning System (GPWS) Mark VII, Marathon 22 A-h Nicad Battery, and other flight instrument systems in accordance with Dee Howard Drawing List 000 "UPS 727 Cockpit Modernization Modification" dated October 8, 1996 or later FAA approved revision.

*Limitations and Conditions:* FAA Approved Airplane Flight Manual (AFM) Supplement dated November 30, 1992, or later FAA approved revision is required. Compatibility of this modification with previously installed equipment must be determined by installer.

*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 :* February 02, 1990

*Date reissued :*

*Date of issuance :* December 06, 1990

*Date amended :* 11/30/92; 11/20/96



*By direction of the Administrator*

*Michele M Owsley*  
(Signature)

Michele M. Owsley  
Airplane Certification Office  
Southwest

(Title)

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