

Department of Transportation - Federal Aviation Administration

Supplemental Type Certificate

Number SA4161NM

This certificate, issued to: **Rockwell Collins Aerospace and Electronics, Inc.
27300 SW Parkway Avenue
Wilsonville, OR 97070**

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: 727-200

Description of the Type Design Change: Installation of Flight Dynamics (FD) Head Up Display Guidance System, in accordance with the FAA sealed FD Installation Drawing List, 9701-0380, Revision C, dated January 18, 1988, or later FAA approved revision.

Limitations and Conditions: This change applies to the 727-200 with JT8D-17 and JT8D-17R engines. If any LRU or a sensor input of the HGS fails, the HGS may be disabled by pulling the HGS circuit breakers. Circuit breakers marked NCU and CDU shall be energized while ISA-1 and ISA-2 shall remain de-energized. STC SA4163NM (RACAL FMS) and this STC are both needed to form a complete package.

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: January 4, 1988 *Date reissued:* June 14, 1993; April 16, 2003;
January 21, 2010
Date of issuance: January 25, 1988 *Date amended:* April 16, 2003



By direction of the Administrator

(Signature)
Acting Manager, Seattle 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.