

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

*Number* **ST00084WI**

*This certificate issued to:*

Teledyne Controls  
501 Continental Blvd  
El Segundo, CA 90245

*certifies that the change in the type design for the following product with the limitations and conditions therefore as specified hereon meets the airworthiness requirements of Part 25 of the Federal Aviation Regulations.*

*Original Product - Type Certificate Number:* A20CE  
*Make:* Boeing  
*Model:* 747-100 Series, -100B Series, -100B SUD Series,  
-200B Series, -200C Series, -200F Series, -300 Series,  
-747SR Series and -747SP Series

*Description of Type Design Change:*

Replacement of the Exhaust Gas Temperature indicators with B&D Instruments Models 65006-003, 65006-004, 65006-005, 65006-006, 65006-007. Recording Exhaust Gas Temperature indicators in accordance with B&D Installation Manual 65006-003-011, Revision D dated November 19, 1996 or later FAA approved revision; and Flight Manual Supplement 65006-003-013 dated July 26, 1993, Flight Manual Supplement 65006-003-014 dated October 3, 1994, or Flight Manual Supplement 65006-003-015, 65006-003-16 or 65006-003-017 dated November 16, 1996.

*Limitations and Conditions:*

Installation of the Model 65006-003 indicators limited to airplanes with Pratt & Whitney JT9D-7, -7A, -7H, or -7AH engines. Installation of the Model 65006-004 indicators limited to airplanes with Pratt & Whitney JT9D-7F engines.

(see continuation sheet 2 of 2)

*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:* March 30, 1993

*Date reissued:* December 9, 1996; January 5, 1998;  
October 2, 2000; June 30, 2003; November 3, 2011

*Date of issuance:* July 26, 1993

*Date amended:* November 19, 1996

*By direction of the Administrator*

*Original signed by Raymond Johnston*



(Signature)

Raymond N. Johnston  
Program Manager  
Wichita 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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Department of Transportation - Federal Aviation Administration  
**Supplemental Type Certificate**  
(Continuation Sheet)

*Number* **ST00084WI**

Date of Issuance: July 26, 1993  
Date Amended: November 19, 1996  
Date Reissued: December 9, 1996; January 5, 1998; October 2, 2000;  
June 30, 2003; November 3, 2011

*Limitations and Conditions* (continued):

Installation of the Model 65006-004 indicators limited to airplanes with Pratt & Whitney JT9D-7J engines. Installation of the Model 65006-006 indicators limited to airplanes with Pratt & Whitney JT9D-7Q engines. Installation of the Model 65006-007 indicators limited to airplanes with Pratt & Whitney JT9D-7R4G2 engines. This approval should not be extended to other specific airplanes of these models on which other previously approved modifications are incorporated, unless it is determined that the interrelationship between this change and any of the other previously approved modifications will introduce no adverse effect upon the airworthiness of those airplanes. 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.

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