

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

Number SA3984NM

This certificate, issued to CALIFORNIA PRECISION HYDRAULICS, INC.
5330 Derry Avenue, Unit B
Agoura Hills, California 91301

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: A20WE
Make: Boeing
Model: 747-200B, -200C, -200F, -300, and 747SR

Description of Type Design Change: Installation of California Precision Hydraulics Piston-Shoe Assembly, Part No. 700003 as a replacement part for Sundstrand Part Nos. 718360, 718360G, 715992G, SD1289G, and SD1301G when used in Sundstrand Model No. 90IDG05 Constant Speed Drive (CSD). Part No. 700003 to be in accordance with California Precision Hydraulics Drawing 700003, Revision "N/C" dated February 15, 1997, (previously Bell Industries Drawing 700003, Revision "N/C" dated June 8, 1988), or later FAA approved revisions. For further description see Page 3.

Limitations and Conditions: The approval of this change in type design applies only to the Model No. 90IDG05 CSD installed in the above listed airplane models. This approval should not be extended to aircraft of these models that incorporate any other previously approved modification unless it is determined that the interrelationship between this change and any other modification will introduce no adverse effect on the airworthiness of these aircraft. The STC holder will provide a written permission statement to each person it authorizes to use this certificate to alter the product.

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: September 14, 1988

November 4, 1993 DEC 6 1996

Date of issuance: April 28, 1989

Date issued:
Date amended: May 5, 1997



By direction of the Administrator
Pepper Schuster
Manager, Propulsion Branch
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.

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Supplemental Type Certificate
(Continuation Sheet)

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Limitations and Conditions (Continued):

California Precision Hydraulics Drawing 700003

Piston-Shoe Assembly consists of:

700003-63 Shoe, Revision B dated October 22, 1996, or later FAA approved revision

700016-62A, -62C, -62D, -62H, 62J, and -62L Piston, Revision C dated February 15, 1997, or later FAA approved revision

700016-62 () Piston, consists of:

700016-62-1 Sleeve

700016-62-2 Core

Note: Letter code designations A, C, D, H, J, and L denote piston diameter variations which are used on installation to obtain acceptable piston to cylinder bore clearances.

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Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.