

United States of America
Department of Transportation Federal Aviation Administration

Supplemental Type Certificate

Number **ST01613SE**

This certificate, issued to **JAMCO America, Inc.**
1018 80th Street S.W.
Everett, WA 98203

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: A20WE
 Make: Boeing
 Model: 747-400 Series

Description of the Type Design Change: Installation of Atmospheric Observation Equipment on Japan Airlines (JAL) 747-400 airplanes in accordance with JAMCO America Master Drawing List (MDL) No. IA-113MDL, Revision A, dated October 16, 2005, or later FAA approved revision.

Limitations and Conditions: Approval of this change in type design applies to the above model aircraft only. This approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated unless it is determined that the relationship between this change and any of those other previously approved modifications will produce no adverse effect upon the airworthiness of that aircraft. A copy of this Certificate and JAMCO America, Inc. Master Drawing List IA-113MDL must be maintained as part of the permanent records for 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: August 9, 2004

Date reissued:

Date of issuance: October 26, 2005

Date amended:

By direction of the Administrator
Original Signed by Donald L. Kurle



(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.