



United States of America
Department of Transportation
Federal Aviation Administration

Supplemental Type Certificate

Number: ST04222AT

This certificate issued to: Omega Air, Inc
10315 Wetmore Road, San Antonio, TX 78216

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 4b of the Civil Aviation Regulations

Original Product – Type Certificate Number: 4A21, 4A26
Make: The Boeing Company
Model: 707-200/ -300/ -400 Series

Description of Type Design Change:

Installation of a Fuel System Modification on the Boeing 707-200/-300/-400 Series Aircraft. This installation involves the installation of ground fault interrupt relays in the aircraft fuel boost pump system and installs new wiring with a protective shield for the fuel quantity indicating system. This STC is intended to be used as an Alternative Method of Compliance (AMOC) to the requirements in paragraph (g) of AD 2007-23-12 effective date December 18, 2007. The installation of the Fuel System Modification will be in accordance with the following:

(See Continuation Sheet 3 of 3)

Limitations and Conditions:

1) The aircraft must be maintained in accordance with the FAA approved Airworthiness Limitations (AWL) Supplement Janzair document 707-2820-112 revision IR dated 2/12/15 or later FAA approved revision. Changes to the Janzair document 707-2820-112 must be approved by the Atlanta Aircraft Certification Office. Changes to the Boeing AWL document D6-7552-AWL resulting from changes in the Janzair AWL document must be approved by the Los Angeles Aircraft Certification Office.

(See Continuation Sheet 3 of 3)

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, and revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of Application: 12/11/2013

Date Reissued: 11/19/2015

Date of Issuance: 9/24/2015

Date Amended:

By Direction of the Administrator

Signature _____

Title Melvin D. Taylor, Manager
Atlanta Aircraft Certification Office

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 or made available to third persons by licensing agreements in accordance with 14 CFR 21.47. Possession of this Supplemental Type Certificate (STC) document by persons other than the STC holder does not constitute rights to the design data nor to alter an aircraft, aircraft engine, or propeller. The STC's supporting documentation (drawings, instructions, specifications, flight manual supplements, etc.) is the property of the STC holder. An STC holder who allows a person to use the STC to alter an aircraft, aircraft engine, or propeller must provide that person with written permission acceptable to the FAA. (Ref. 14 CFR 21.120).



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INSTRUCTIONS: The transfer endorsement below may be used to notify the appropriate FAA Aircraft Certification 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.

Transfer Endorsement

Transfer the ownership of Supplemental Type Certificate Number:

To (Name and address of transferee)

From (Name and address of grantor)

Extent of Authority (if licensing agreement):

Date of transfer:

Signature of grantor: _____

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Supplemental Type Certificate

(Continuation Sheet)

Number: ST04222AT

Description of Type Design Change (Continued):

Fuel System Modification per Master Data List Janzair document number 707-2820-100 Rev D dated July 07, 2015 or later FAA approved revision.

References required as part of this design change are:

FAA approved Airplane Flight Manual Supplement (AFMS) Janzair document number 707-2820-101 revision IR approved 9/24/15 or later FAA approved revision, and

FAA approved Instructions for Continued Airworthiness (ICA) Janzair document 707-2820-104 revision IR dated 12/12/2013 or later FAA approved revision.

Limitations and Conditions (Continued):

2) The aircraft must be operated in accordance with the FAA approved Airplane Flight Manual Supplement (AFMS) Janzair document number 707-2820-101 revision IR approved 9/24/15 or later FAA approved revision.

The installation should not be incorporated in any aircraft unless it is determined that the interrelationship between this installation and any previously approved configuration will not introduce any adverse effect upon the airworthiness of the aircraft. If the STC 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.

Certification Basis:

Based on 14 CFR §21.115 and §21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for this modification to the Boeing 707-200/ -300/ -400 series aircraft is as follows:

- a. The type certification basis for the Boeing 707-200/ -300/ -400 series aircraft is shown on TCDS 4A21 and 4A26 for parts not changed or not affected by the change.
- b. The certification basis for parts changed or affected by the change since the reference date of application December 11, 2013, is based upon part 25 as amended by Amendment 25-131.

Regulations at amendment 25-1 through 25-131

25.21(a), 25.301(a)(b), 25.303, 25.305(a), 25.307(a), 25.571(a)(b), 25.601, 25.603(a)(b), 25.605(a), 25.607(a), 25.609(a), 25.613(a)(b)(c), 25.625(a)(b), 25.863, 25.869(a)(1), 25.899, 25.1301(a), 25.1309(b)(d)(g), 25.1316, 25.1317, 25.1322(a)(b)(c)(d), 25.1351(a)(1)(2), 25.1353(a), 25.1357(a)(c), 25.1360(a), 25.1431(c), 25.1501(a)(b), 25.1581(a)(1)(2)(b)(d), 25.1585(a), 25.1529, 25.1713, 26.11(a)(c)

14 CFR §25.981(a) - ELOS Memo #PS-05-0123-P-1.

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