

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

Number

ST00543AT

This certificate, issued to

Aircraft Modification Design Services, Inc.
8960 Ridgemont Drive
Atlanta, Georgia 30350

certifies that the change in the type design for the following product with the limitations listed in this certificate

therefor as specified hereon meets the airworthiness requirements of Part 4b of the Civil Air Regulations.

Original Product — Type Certificate Number:

4A25

Make:

McDonnell Douglas

Model:

DC-8-51, S/N 45855 only

Description of Type Design Change:

Increase in aircraft operating weights (Maximum Takeoff Weight - 315,000 lbs., Maximum Landing Weight - 217,000 lbs., Maximum Zero Fuel Weight - 203,000 lbs.) in accordance with Aircraft Modification Design Services, Inc. Master Drawing List No. 10-1000, Revision B, dated July 20, 1994, or later FAA approved revision.

Limitations and Conditions:

STC SA3915NM is required to meet the noise requirements of FAR 36. This approval is limited to S/N 45855 only. FAA Approved Airplane Flight Manual Supplement, dated July 20, 1994, or later FAA approved revision, is a required part of this STC. Inspections specified in Supplemental Inspection Document (SID) Supplement AMD-10-504 are required by this STC. Compatibility of this design change with previously approved modifications must be determined by the installer.

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 17, 1994

Date reissued:

Date of issuance: July 20, 1994

Date amended: July 28, 1994, March 20, 1998



By direction of the Administrator

Paul C. Sconyers
(Signature)

Paul C. Sconyers
Associate Manager, ACE-117A

Atlanta 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.

Added Notes at Surrender:

1. Future unsafe conditions existing in the product can result in an airworthiness directive requiring correction of the unsafe condition before further flight. If there is no entity to comply with 14 CFR 21.99(a), Required design changes, the existence of an unsafe condition might result in permanently grounding of the aircraft.
2. Replacement parts might not be available in the future.

STC Surrender processed:

Approval by:

Melvin Taylor
Melvin Taylor, ATL ACO Manager

Date: 12/1/2009

Control
09/17/03 *led 7/17*

Aircraft Modification Design

Services, Incorporated

8450, Haven Wood Trail
Roswell
Georgia, 30076-3530
Tel: (770) 992-9078
Fax: (770) 992-8231

5682, Riviera Drive
Huntington Beach
California, 92647
Tel: (714) 891-1254
Fax: (714) 891-1691

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6 July 2009
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To: Mr. Michael Cann
Sr. Aerospace Engineer
Federal Aviation Administration
Atlanta ACO, Airframe Branch,
1895, Phoenix Blvd., Suite 450
Atlanta, Georgia 30349
Phone: (770) 703-6038

From: Christopher Bott
Director - Engineering

Subject: Miscellaneous STC Surrender Transmittals

Reference: 1) ST00543AT
2) ST00558AT
3) ST00617AT
4) ST00794AT
5) ST00850AT
6) ST00924AT
7) ST01170AT
8) ST01363AT
9) ST02032AT

Copy: Steve Scheaffer, Director - New Business, AMD; file

Attachments: AMD-20-301, Page 6-1

Dear Mike,

Please find attached the following information and transmittals for the above references. These attached data can be placed into the Public Domain. However, all of the supporting Engineering Data for these projects was developed under a license agreement between Aircraft Modification Design Services Inc. (AMD) and McDonnell Douglas Corporation (MDC) and that signed agreement was subsequently honored by The Boeing Company (TBC) after the merger in the late 1990's. Legal non-disclosure agreements were signed by AMD and it's Engineers with both MDC and TBC. Therefore all of the supporting Engineering data developed for these STC projects cannot be placed into the Public Domain and consequently has been destroyed.

Reference 1

- The STC Certificate, Supplemental Inspection Document (SID) Supplement AMD-10-504 and Flight Manual Supplement AMD-10-604.

Reference 2

- The STC Certificate, Supplemental Inspection Document (SID) Supplement AMD-10-501 and Flight Manual Supplement AMD-10-601.

Reference 3

- The STC Certificate, Supplemental Inspection Document (SID) Supplement AMD-10-505 and Flight Manual Supplement AMD-10-605.

Reference 4

- The STC Certificate (2 pages) and Flight Manual Supplement AMD-13-701.

Reference 5

- The STC Certificate and Flight Manual Supplements AMD-12-701, AMD-12-702 and AMD-12-703.

Reference 6

- The STC Certificate and Flight Manual Supplement AMD-11-601.

Reference 7

- The STC Certificate, Supplemental Inspection Document (SID) Supplement AMD-10-506 and Flight Manual Supplement AMD-10-602.

Reference 8

- The STC Certificate (2 pages), Top Drawing Number AMD-17-1006, Flight Manual Supplement AMD-17-701, Weight and Balance Manual Supplement AMD-17-710 and Supplemental Inspection Document (SID) Supplement AMD-17-721.

Reference 9

- The STC Certificate, Flight Manual Supplement AMD-18-701 and Supplemental Inspection Document (SID) Supplement AMD-18-721.

AMD does not have Parts Manufacture Approval (PMA) for these STC's. Any parts that were required to be installed / changed by any of these STC's were all MDC / TBC Approved parts and were ordered by the Client through MDC / TBC approved suppliers.

I apologize for getting this to you at the last minute but my filing system is still in a bit of a mess after our office move at the end of last year and it has been quite a 'chore' getting this package together for you. However, if you have any questions, or need additional information, please do not hesitate to call or send me an e-mail.

Many thanks and best regards,



(Christopher Bott)

CB:cab



6.0 SUMMARY

STC Number	STC Model Applicability	STC FSN Applicability	FSN Status	Development of FCAS
ST00543AT (FineAir)	DC-8-51	FSN 45855	Retired	No, surrender STC
ST00558AT (FineAir)	DC-8-51	FSN 45410	Sold to Aeroengine LLC for parts	No, surrender STC
ST00573AT Typo – should be ST00543AT	DC-8-51	FSN 45855	Retired	No, STC not issued to AMD
ST00617AT (FineAir)	DC-8-51	FSN 45935	Stored at Roswell, NM.	No, surrender STC
ST00794AT (Aerolease)	DC-8-71	FSN 46099	Retired	No, surrender STC
ST00845AT (Kalitta and Intavia)	DC-8-62	FSN 45910 FSN 45986 FSN 46085 FSN 46098 FSN 46110	Retired Intavia (African Intl) Johnson Air Intavia (African Intl) Trans Air Cargo	Develop FCAS structure report of reference 22 for FSN's 45986 and 46098 only.
ST00850AT (Intavia)	DC-8F-54	FSN 45802 FSN 45886 FSN 46012	Seaboard World Burbank Aero Seaboard World	No, surrender STC
ST00924AT (FineAir)	DC-8F-54	FSN 45637	Retired	No, surrender STC
ST01170AT (FineAir)	DC-8-51	FSN 45685	Retired	No, surrender STC
ST01363AT (CargoLion)	DC-8-62	FSN 45925	Operating?	No, surrender STC
ST02032AT (CargoLion)	DC-8-62F	FSN 45960	Operating?	No, surrender STC

Table 6-1 List of AMD STC's and intention regarding development of FCAS

As shown above, it is AMD's intention to develop the FCAS structure report of reference 22 for two DC-8-62 aircraft covered by STC ST00845AT only. It is AMD's intention to surrender the remaining STC's due to retirement or non-operation of the affected aircraft.