

Supplemental Type Certificate

Number **ST02502LA**

This Certificate issued to **TDG AEROSPACE, INC.**
545 CORPORATE DRIVE
ESCONDIDO, CA 92029

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: **A6WE**

Make: **The Boeing Company**
DC-9-81 (MD-81), DC-9-82 (MD-82), DC-9-83 (MD-83), DC-
Model: **9-87 (MD-87), DC-9-88 (MD-88) and MD-90-30 airplanes.**

Description of Type Design Change: Installation of TDG Aerospace, Inc. Universal Fault Interrupter (UFI) for protecting the airplane from electrical faults in fuel pump and pump electrical power feed systems having potential for introducing ignition sources in the airplane center wing fuel tank and OEM installed (Boeing) auxiliary fuel tanks. The automatic shut off feature of the UFI, prevents prolonged dry running of fuel pumps. The UFI design complies with 14 CFR § 25.981 (a)(3) and (d) amendment 25-125. The installation of TDG UFI Part number 10-3210-0001 shall be in accordance with UFI MD-80 Installation Kit Master Drawing List Document No: 10-3210-0002 Revision B, dated February 25, 2014, or later FAA approved revision. The UFI must be operated in accordance with Airplane Flight Manual Supplement 20-3210-0002, dated March 4, 2014 or later FAA approved revision. The UFI must be maintained in accordance with TDG Instructions for Continued Airworthiness, (ICA) Document No 20-3210-0001 Revision A, dated July 03, 2013, or later FAA approved revision.

Limitations and Conditions The approval of this change in type design applies to the above noted aircraft models. This approval should not be extended to other specific aircraft of these model series on which other than noted previously approved modifications are incorporated, unless it is determined that the interrelationship between this change and any of those other previously approved modifications will introduce no adverse effect upon the airworthiness of those aircraft. A copy of this STC must be included in the permanent records of 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. (See Limitations and Conditions continued on page 3)

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: **April 6, 2011**

Date reissued:

Date of issuance: **April 29, 2014**

Date amended:



By direction of the Administrator

(Signature)

Thomas A. Enyart
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.

INSTRUCTIONS: The transfer endorsement below may be used to notify the appropriate FAA Regional 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 the Supplemental Type Certificate Number _____

to *(Name of transferee)* _____

(Address of transfer) _____
(Number and street)

(City, State, and Zip code)

from *(Name of grantor) (Print or type)* _____

(Address of grantor) _____
(Number and street)

(City, State, and Zip code)

Extent of Authority (if licensing agreement): _____

Date of Transfer: _____

Signature of grantor *(In ink)*: _____

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(Continuation Sheet)

Limitations and Conditions continued.

Note 1: The Manager of the FAA Los Angeles Aircraft Certification Office approves installation of the TDG Aerospace UFI device in accordance with this STC as a Means of Compliance with the requirements of paragraph (g) of AD 2012-18-05, except for DC-9-10, DC-9-20, DC-9-30, DC-9-40, DC-9-50 series airplanes, this STC is not applicable for installation on these airplanes.

Note 2: The UFI is a Critical Design Control Configuration Limitation item in accordance with 14 CFR part 25.981 (d).

Note 3: Deviations from the ICA, Airworthiness Limitation Section must be approved by Manager of Los Angeles Aircraft Certification Office.

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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.