

Department of Transportation - Federal Aviation Administration

Supplemental Type Certificate

Number SE01650SE

This certificate, issued to:

**Aviation Fleet Solutions, LLC
3900 East Valley Road, Suite 102
Renton, WA 98057**

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 33 of the Federal Aviation Regulations.

Original Product—Type Certificate Number:

E9NE

Make:

Pratt & Whitney

Model:

JT8D-217, JT8D-217A, JT8D-217C and JT8D-219

Description of the Type Design Change: Installation of Aviation Fleet Solutions QuietEagle MD-80 noise abatement system in accordance with AeroAcoustics, Inc., Master Drawing List AA1781, Revision G, dated July 14, 2006, or later Federal Aviation Administration approved revision. That installation consists of a turbine exit muffler that replaces the existing tailplug; an internal 16-lobe mixer that replaces the existing 12-lobe mixer; and an exhaust nozzle with 14 tabs that replaces the existing conical exhaust nozzle.

Limitations and Conditions: Data is suitable for reproduction and installation on all Pratt and Whitney engine models specified on this certificate only. This approval should not be extended to engine models on which other previously approved modifications are incorporated unless it is determined by the installer that the relationship between this change and any previously approved modifications, including changes in type design, will introduce no adverse effect upon the airworthiness of those engines.

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: October 28, 2004

Date reissued: August 28, 2006

Date of issuance: March 21, 2006

Date amended: August 28, 2006

By direction of the Administrator



(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.

UnitedStatesofAmerica
DepartmentofTransportation_FederalAviationAdministration
Supplemental Type Certificate
(Continuation Sheet)

Number **SE01650SE**

Issued to: Aviation Fleet Solutions, LLC

Date of Issuance: March 21, 2006

Date Amended: August 28, 2006

Limitations and Conditions: (cont'd)

Supplemental Type Certificate Limitations

The conditions and limitations of Type Certificate Data Sheet Number E9NE apply except when superseded by the following:

This Supplemental Type Certificate Data sheet prescribes the conditions and limitations under which the product for which the STC was issued meets the airworthiness requirements of the Federal Aviation Administration.

Applicable and Related Documentation

Aviation Fleet Solutions Document AA1780, Revision E, dated March 28, 2006, provides the installations instructions necessary to accomplish the modification

The Instructions for Continued Airworthiness of the Aviation Fleet Solutions (AFS) QuietEagle MD-80 noise abatement system are contained in AFS Maintenance Manual No. AA1746, Revision B, dated March 28, 2006.

General

A copy of this certificate must be maintained as part of the permanent records on any airplane equipped with the modified engines.

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.

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