

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

Number **SA02200AK**

This Certificate issued to

Leading Edge Exhaust Systems, LLC.
6250 Tuttle Place #1
Anchorage, Alaska 99507

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 3 of the Civil Air Regulations.*

*Complete certification basis is specified in Aircraft
Specification No. 1A2, Revision 38 dated August 7, 2006.

Original Product Type Certificate Number : 1A2

Make : PIPER

Model : See Continuation Sheet Page 3 of 3, for a list of approved airplane models.

Description of Type Design Change: Fabrication of replacement engine exhaust system assembly (P/N PA18ESA) in accordance with Leading Edge Exhaust Systems, LLC, Drawing List No. LEESPA18"180"ESA-DL-1, Revision B, dated July 26, 2010, or later FAA approved revision, and installation in accordance with Leading Edge Exhaust Systems, LLC, Exhaust System Installation and Maintenance Instructions, Report No. LEESPA18EXH-INST-1, Revision H, dated June 21, 2010, or later FAA approved revision.

Limitations and Conditions:

- 1) Approval of this design change is limited to airplanes of the following models that are equipped with FAA approved installations of Textron Lycoming O-360 model series engines having a compression ratio of 8.5:1 and a rated power of 180 horsepower for all operations, only:

(see Continuation Sheet Page 3 of 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 : November 3, 1999

Date reissued : August 19, 2010

Date of issuance : January 24, 2003

Date amended : April 24, 2003;
August 19, 2010



By direction of the Administrator

(Signature)

August A. Asay
Manager
Anchorage 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.

United States Of America
Department of Transportation - Federal Aviation Administration
Supplemental Type Certificate
(Continuation Sheet)

Number **SA02200AK**

Date of Issuance: January 24, 2003

Date Amended: August 19, 2010

Limitations and Conditions (Continued):

PA-18, PA-18S, PA-18 "105" (Special), PA-18S "105" (Special), PA-18A, PA-18 "125" (Army L-21A), PA-18S "125", PA-18AS "125", PA-18 "135" (Army L-21B), PA-18A "135", PA-18S "135", PA-18AS "135", PA-18 "150", PA-18A "150", PA-18S "150", PA-18AS "150", PA-19 (Army L-18C), and PA-19S.

- 2) This design change is not eligible for installation on airplanes equipped with 150 horsepower or 160 horsepower engines.
- 3) The installer must determine whether this design change is compatible with previously approved modifications.
- 4) FAA approved Airplane Flight Manual Supplement (AFMS) Document No. LEES180AFMS, Revision 1 dated April 24, 2003, or later FAA approved revision, is a required part of this installation.
- 5) If the holder agrees to permit another person to use this certificate to alter a product, the holder must give the other person written evidence of such permission.

- END -