

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

Number SA01843CH

This certificate issued to

BE Aerospace, Inc. DBA SMR Technologies, Inc.
93 Nettie Fenwick Rd
Fenwick, WV 26202

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 23 of the Federal Aviation Regulations.

Original Product--Type Certificate Number: A25SO

Make: Piper Aircraft Inc.

Model: PA-46-310P, PA-46-350P, PA-46R-350T, PA-46-500TP

Description of Type Design Change:

Replacement of certain Goodrich pneumatic deicer boots in accordance with SMR Technologies, Inc. Installation Instructions as listed on Drawings SMR5164, revision 6, dated September 10, 2012 and detail design as listed on MDL-0022, revision H, dated August 21, 2013 for Piper PA-46-310P, PA-46-350P, PA-46R-350T and Drawings SMR5294, revision 7, dated July 8, 2013 and detail design as listed on MDL-0056, revision G, dated August 21, 2013 for Piper PA-46-500TP .

Limitations and Conditions:

1. Approval of this change in type design extends to the airplane models listed above with previously approved deicer boots. Intermix of these deicer boots with previously approved deicer boots is permitted.
2. The Maintenance Instructions for Continued Airworthiness contained in Piper Aircraft Maintenance Manual, report 761-783, revision CR980701, dated July 1, 1998, is required with this modification for the PA-46-350P S/N 4622001 through 4622200 and PA-46-310P.
3. The Maintenance Instructions for Continued Airworthiness contained in SMR Maintenance Manual, report 97-33-047, revision 10, dated March 26, 2010, is required with this modification for the PA-46-350P S/N 4636001 and up, PA-46R-350T and PA-46-500TP.
4. A copy of this certificate must be maintained as part of the permanent records for the modified aircraft.
5. Compatibility of this design change with previously approved modifications must be determined by the installer.

(See Limitations and Conditions Continued on Sheet 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 : January 14, 1999

Date reissued :

Date of issuance : June 5, 2003

Date amended : June 2, 2008; August 21, 2013



By direction of the Administrator

(Signature)

Gaetano Sciortino
Manager, New York Aircraft Certification Office

(Title)

Conditions: (Continued)

Limitations and

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

Supplemental Type Certificate

(Continuation Sheet)

Number **SA01843CH**

Date Amended: August 21, 2013

6. 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.

Certification Basis:

Based on 14 CFR §§ 21.115 and 21.101, and the FAA policy for changes that are not significant in FAA Order 8110.48, the certification basis for this modification are as follows:

- The type certification basis for the Piper PA-46 series aircraft are type certified under TCDS NO. A25SO for parts not changed or not affected by the change.
- The type certification basis for the Piper PA-46 series aircraft are type certified under TCDS NO. A25SO for parts changed or affected by the change.

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