

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

*Number* **SA5954NM**

*This certificate, issued to:*

**BLR Aerospace, LLC  
3102 100th Street SW  
Everett, WA 98204**

*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 3 of the Civil Air Regulations.*

*Original Product—Type Certificate Number:* A20SO  
*Make:* Piper  
*Model:* PA-31

*Description of the Type Design Change:* Vortex generators manufactured in accordance with Document AA1129, no revision, dated April 23, 1993, and installed in accordance with Document AA1130, no revision, dated April 23, 1993.

*Limitations and Conditions:* Data pertaining to this modification are considered inadequate for other aircraft. This approval is limited to the installation in Piper Model PA-31, Serial Number 31-725 only. A copy of this Certificate must be maintained as part of the permanent records for the modified aircraft.

There may be a maximum combined total of four vortex generators missing from the wing or tail surfaces before replacements must be installed.

Operations must be conducted within the limitations of the basic airplane flight manual.

*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:* May 03, 1993  
*Date of issuance:* May 06, 1993

*Date reissued:* November 23, 2009  
*Date amended:*



*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.*