

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

*Number* SA2660CE

*This certificate issued to*  
Petersen Aviation, Inc.  
984 K Road  
Minden, NE 68959

*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 CAR 3 of the Regulations.*

*Original Product Type Certificate Number:* 2A13

*Make:* Piper

*Model:* See Page 3 of 3 for approved models

*Description of Type Design Change:*

Operation of Piper airplanes when using leaded and unleaded automotive gasoline, with a minimum antiknock index (RON+MON)/2 of 91 per ASTM Specification D-439 or D-4814. Intermixing with aviation gasoline also approved.

Data Required:

1. A copy of this certificate
2. Drawing List, 28-TL-2, Rev. (D), dated September 13, 1990, or later FAA Approved revision
3. Drawing List, 28-TL-3, Rev. (H), dated October 16, 1990, or later FAA Approved revision
4. Airplane Flight Manual Supplement No. 2, Rev. (-) dated October 17, 1990, or later FAA Approved revision

*Limitations and Conditions:*

1. Limited to those airplanes equipped with engines modified in accordance with STC SE2563CE or SE2587CE.
2. Airplanes equipped with fuel manifold/reservoir are not eligible for this installation.
3. 3/8-inch fuel supply line on the RH fuel tank system which is used for takeoff and landing is required.
4. Compatibility of this design change with previously approved modifications must be determined by the installer.
5. If the STC 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.
6. Approval of this change in type design applies to the above model airplanes only.
7. A copy of this certificate shall be maintained in the airplane permanent records.

*This certificate and the supporting data, which is the basis for approval, shall remain in effect until surrendered.*

*Date of application:* May 30, 1990

*Date reissued:*

*Date of issuance:* October 17, 1990

*Date amended:* April 29, 2005

*suspended, revoked or a termination date is otherwise*

*established by the  
Administrator of the  
Federal Aviation  
Administration.*

*By direction of the Administrator*



(Signature)

Charles D. Riddle  
Program Manager  
Wichita Aircraft Certification Office

(Title)

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.

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**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): \_\_\_\_\_

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Date of Transfer: \_\_\_\_\_

Signature of grantor *(In ink)*: \_\_\_\_\_

# Supplemental Type Certificate

## (Continuation Sheet)

*Limitations and Conditions* (Continued):

Item	Type	Make/Model	Airplane Serial Number
1	<b>12/14 Volt Airplanes</b>	Piper PA-28-160 Piper PA-28-180 Cherokee	28-671 thru 28-1760
2		Piper PA-28-160 Piper PA-28-180 Cherokee	28-1761 thru 28-5859 28-7105001 thru 28-7505261
3		Piper PA-28-161 Warrior II / Cadet	28-7716002 thru 28-8616057 2816001 thru 2816105 (Except 2816066) 2841001 thru 2841364 (Except 2841351 thru 2841359)
4		Piper PA-181 Archer II	28-7690001 thru 28-8690056 2890001 thru 2890205
5	<b>24/28 Volt Airplanes</b>	Piper PA-28-161 Warrior III	2816110 and on 2842001 thru 2842108 2842109 and on
6		Piper PA-28-181 Archer III	2890206 and on 2843001 thru 2843414 2843203 and on