

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

Number SA2048CE

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 Civil Air Regulations.

Original Product Type Certificate Number: 3A19
Make: Cessna
Model: See AML No. SA2048CE

Description of Type Design Change:

Operation of airplanes on unleaded automotive gasoline, 87 minimum antiknock index and leaded automotive gasoline, 88 minimum antiknock index (RON + MON)/2 per ASTM Specification D-439 or D-4814 for 150 hp or less installations. Operation of airplanes on unleaded and leaded automotive gasoline, 91 minimum antiknock index (RON+MON)/2 per ASTM Specification D-439 or D-4814. Intermixing with aviation gasoline also approved. Data required:

- 1) A copy of this certificate; and
- 2) Applicable drawings as listed in AML.

Limitations and Conditions:

- 1) Limited to those airplanes equipped with gravity fuel feed to the carburetor.
 - 2) All engines must have a separate approval for operation on automotive gasoline in the form of Supplemental or Type Certificate approval.
 - 3) This approval should not be extended to other specific airplanes on which other previously approved modifications are incorporated, unless it is determined that the interrelationship between this change and any of those other previously approved modifications will introduce no adverse effect upon the airworthiness of that airplane.
 - 4) Pump fed fuel systems are approved on Lycoming O-320 engine installations.
- **Limitations and Conditions continued on page 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: April 27, 1984

Date reissued:

Date of issuance: December 7, 1984

Date amended: October 7, 1985; June 23, 1992; August 22, 2011

By direction of the Administrator

Original signed by Steven C. Litke

(Signature)

Steven C. Litke
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.

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): _____

Date of Transfer: _____

Signature of grantor (*In ink*): _____

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

Number SA2048CE

Date of Issuance: December 7, 1984

Date Amended: October 7, 1985; June 23, 1992; August 22, 2011

Limitations and Conditions (continued):

- 5) Compatibility of this design change with previously approved modifications must be determined by the installer.
- 6) Approval of this change in type design applies to the above model airplanes only.
- 7) 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.
- 8) Additional Instructions for Continued Airworthiness are not required.
- 9) A copy of this certificate No. SA2048CE dated December 7, 1984 and the FAA Approved Model List (AML) No. SA2048CE dated August 22, 2011, or later FAA Approved Revisions, must be maintained as part of the permanent records for the aircraft.

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