

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

Number SA2009CE

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 Part 7A of the CIVIL AIR Regulations.

Original Product--Type Certificate Number: A 649
Make: Raytheon Aircraft Company
Model: D17S

Description of Type Design Change: Operation of airplane 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. Intermixing with aviation gasoline also approved. DATA REQUIRED: Petersen Drawing 5373 dated February 1, 1984 or later "FAA Approved" revision.

Limitations and Conditions: Limited to those airplanes equipped with approved radial engine installations up to 450 horsepower. All engines must have separate approval for operation on automotive gasoline in the form of Supplemental or Type Certificate approval. This approval should not be extended to other specific airplanes of this model 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 the airplane.

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.

A determination has been made that supplemental Instruction for Continuous Airworthiness are not required for this modification.

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: July 19, 1983

Date reissued:

Date of issuance: August 10, 1984

Date amended: March 08, 2007



By direction of the Administrator

(Signature)

Charles D. Riddle
Program Manager
Wichita Aircraft Certification Office

(Title)