United States of America

Department of Transportation — Federal Aviation Administration

Supplemental Type Certificate

B

Number SA1689NM

This certificate, issued to Norman L. Petersen

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 23 *of the* Federal Aviation *Regulations.*

Original Product — Type Certificate Number A13CE

Make Cessna

Model 177

Description of Type Design Change: Installation of a Lycoming IO-320-B1A, Hartzell HC-C2YL-1BF-F7663-4 propeller and associated parts in accordance with Norman L. Petersen photographs 1 through 4.

Limitations and Conditions: Data pertaining to this modification are considered inadequate for duplication in other aircraft. This approval is limited to the installation in Cessna 177, Serial Number 17700406 only. A copy of this Certificate and Addendum shall be maintained as part of the permanent records for the modified aircraft.

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: August 28, 1982

Date of issuance: March 29, 1983

Date issued

Date amended

By direction of the Administrator

Darrell M Pederson

(Signature)

Acting Manager, Seattle Aircraft Certification Office, ANM-100S

(Title)

FEDERAL AVIATION ADMINISTRATION

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.

FAA Form 8110-3 (10-68)

United States of America
Department of Transportation — Federal Aviation Administration

Supplemental Type Certificate

(Continuation Sheet)

March 29, 1983 *Number* SA1689NM

SUPPLEMENTAL TYPE CERTIFICATE ADDENDUM NO. SA1689NM

The conditions and limitations of Type Certificate Data Sheet Number A13CE apply except where superseded by the following:

This Supplemental Type Certificate Data Sheet, which is part of STC SA1689NM, prescribes the conditions and limitations under which the product for which the STC was issued meets the airworthiness requirements of the Federal Aviation Regulations:

SUPPLEMENTAL TYPE CERTIFICATE HOLDER: Norman L. Petersen

CESSNA 177 (4PCLM NORMAL CATEGORY, 2PCLM UTILITY CATEGORY) AS MODIFIED BY STC SA1689NM

Engine:	Lycoming IO-320 BIA
Engine Limits:	160 hp @ 2700 RPM
Fuel:	91/96 - 100/130 minimum grade aviation gasoline
Placard:	Red radial line on RPM gage at 2700 RPM
Propeller:	Hartzell HC-C2YL-1BF/F7663-4
Propeller Limits:	210 hp @ 2800 RPM Maximum Diameter 72" Minimum Diameter 70"
Placards:	None

--END--

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

FAA FORM 8110-2-1 (10-69) *This certificate may be transferred in accordance with FAR 21.47.*