United States of America

Department of Transportation — Federal Aviation Administration

Supplemental Type Certificate

B

Number SA1648NM

This certificate, issued to James Allen Lehman

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 3 *of the* Civil Air *Regulations.*

Original Product — Type Certificate Number: 3A12

Make: Cessna

Model: 172G

Description of Type Design Change: Installation of Lycoming engine O-320-H2AD S/N L-1455-76 and other related systems per C. P. Aviation 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, Model 172G, Serial Number 172-54700 only. A copy of this Certificate 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: July 29, 1981

Date of issuance: May 27, 1982

Date reissued:

Date amended:

By direction of the Administrator

Darrell M Pedersen

(Signature)

acting Manager, Seattle Area 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 8110-2 (10-68)

United States of America

Department of Transportation—Federal Aviation Administration

Supplemental Type Certificate

(Continuation Sheet)

May 27, 1982 *Number* SA1648NM

SUPPLEMENTAL TYPE CERTIFICATE ADDENDUM NO. SA1648NM

The conditions and limitations of Type Certificate Data Sheet Number 3A12 apply except where superseded by the following:

This Supplemental Type Certificate Addendum, which is part of STC SA1648NM, prescribes the conditions and limitations under which the product for which the STC was issued meets the airworthiness requirements of the Civil Air Regulations:

CESSNA 172G (LANDPLANE - NORMAL AND UTILITY CATEGORY) AS MODIFIED BY STC SA1648NM.

1. Engine: Lycoming 0-320-H2AD

   Engine Limit: 160 HP at 2700 RPM or alternate rating of 150 HP at 2600 RPM

   Fuel: 100 or 100LL Aviation Gasoline

2. Propeller: McCauley 1C160/DTM 7557

   Propeller Limits: 160 HP at 2700 RPM

   Length: Max - 75"
   Min - 74"

   NOTE: No placard is required in airplane installations having full throttle static RPM limited to 2280 to 2450, V_c not over 128 KIAS, and V_{ne} not over 160 KIAS; otherwise placard is required adjacent to RPM gauge to read:

   > Avoid continuous operation between 1950 and 2250 RPM with power retarded below 12½% throttle setting.

3. Serial Number Eligible: 172-54700 only

4. All other limitations are as specified in Type Data Sheet 3A12.

- END -

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

FORM 8110-2-1 (10-69)

This certificate may be transferred in accordance with FAR 21.47.

C FAA AC 73-2651