United States of America

Department of Transportation — Federal Aviation Administration

# Supplemental Type Certificate

*Number* SE792NW

*This certificate, issued to* Kennis E. Blackman

*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* 13 *of the* Civil Air *Regulations* dated June 15, 1956 as amended by 13-1, 13-2, and 13-3.

*Original Product — Type Certificate Number:* E-223

*Make:* Lycoming

*Model:* O-235-L2C/L2A

*Description of Type Design Change:*

Modification of a Lycoming O-235-L2C or O-235-L2A engine to increase horsepower rating from 115 Hp @ 2700 rpm to a continuous 125 Hp @ 2800 rpm in accordance with Kennis B. Blackman Installation Instructions KB 1250.

**NOTE:** The modified engine shall be designated as O-235-L2C(M) or O-235-L2A(M).

NOTE: Authorization is granted for installation of this modification on only the specific aircraft identified on back of this page.
(VALID ONLY WITH ORIGINAL SIGNATURE AND SEAL)

*Limitations and Conditions:* Approval of this change in type design applies basically to the above model engine only. This approval should not be extended to other engines 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, including changes in type design, will introduce no adverse effect upon the airworthiness of that engine. A copy of this Certificate and Addendum shall be maintained as part of the permanent records for the modified engine.

*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:* June 26, 1979

*Date of issuance:* June 28, 1979

*Date reissued:*

*Date amended:* February 19, 1987

*By direction of the Administrator*

D. L. Regan
*(Signature)*

Assistant Manager, Seattle
Aircraft Certification Office
*(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)

## DISCLAIMER of RESPONSIBILITY and LIABILITY

The following License and Use Authority grants permission to thi named individual(s) for the application of this modification to single aircraft, in accordance with the accompanying Installatio Instructions. The Federal Aviation Administration approval represented by the issuance of this Supplemental Type Certificate to the below named STC Holder is valid only if said modification(s) are made in strict compliance with all information given herein. The STC Holder, by the below authorized signature, assumes no responsibility, or liability, for any parts fabrication, installation of fabricated or purchased parts, and/or any workmanship of, or by, anyone other than that actually done by the STC Holder, in any way involved with any portion of the application or installation of this modification, or determination of applicability of this modification, to the below aircraft.

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## AUTHORIZATION ENDORSEMENT

Limited License for use of Supplemental Type Certificate Number **SE792NW**

is extended to the below named individual(s) or company, by the STC Holder, by the original authorized signature affixed below.

**Norman Hood** (512-244-1726)

**1925 West Creek Loop**

**Round Rock, TX 78681**

is hereby given license to perform the modification(s) approved by the above named Supplemental Type Certificate, in accordance with its FAA Approved Installation Instructions and drawings on the specific single aircraft described as;

Registration: N13EA Serial No.: 152-79914

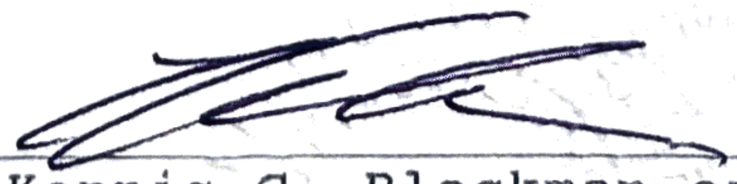
Manufacturer: Cessna Aircraft Model No.: 152

Engine Model: Lycoming O-235-L2C Engine S/N: L-14810-15

by Grantor; Air Mods N. W. - Kennis G. Blackman
(STC Holder or Master Licensee)

Address of Grantor: P.O. Box 8
City, State, Zip: Snohomish, WA 98290

Limited License Authority given this date: January 22, 1997

Signature of Grantor *(In ink)*; 
Kennis G. Blackman or Don Andrew

**(VALID ONLY WITH ORIGINAL AUTHORIZED SIGNATURE)**

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United States of America

Department of Transportation—Federal Aviation Administration

# Supplemental Type Certificate

## (Continuation Sheet)

*Number* SE792NW

**SUPPLEMENTAL TYPE CERTIFICATE ADDENDUM NO. SE792NW**

The conditions and limitations of Type Certificate Data Sheet E-223 apply except where superseded by the following:

This Supplemental Type Certificate Data Sheet, which is part of STC SE792NW, prescribes the conditions and limitations under which the product for which the STC was issued meets the airworthiness requirements of the Civil Air Regulations:

SUPPLEMENTAL TYPE CERTIFICATE HOLDER: Kennis B. Blackman

| | |
|---|---|
| Engine: | Lycoming O-235-L2C (Modified) /-L2A (Modified) |
| Fuel: | 100/130 minimum grade aviation gasoline |
| Engine Limits: | For all operations, 2800 rpm (125 Hp) |
| Compression Ratio: | 9.7:1 |
| Placards: | Placards and Operating Limitations on Type Certificate Data Sheet E-223 apply except as noted herein: |

a. Original Engine Data Plate:

Add a "suffix" (M) and the STC number to the model designation as follows:

| MODEL: O-235-L2C(M) STC SE792NW |
|---|

b. Supplemental Engine Data Plate:

Install a Supplemental Data Plate adjacent to the original Data Plate to read as follows:

| AVCO LYCOMING ENGINE<br>SUPPLEMENTAL DATA PLATE<br>STC SE 792NW<br><br>- TAKEOFF (5 MIN) 125 HP @ 2800 RPM<br>- NORMAL RATED 125 HP @ 2800 RPM<br><br>SPARK ADVANCE - 25° BTC |
|---|

- 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.*

United States of America

Department of Transportation — Federal Aviation Administration

# Supplemental Type Certificate

*Number* SA1008NW

*This certificate, issued to* Kennis G. Blackman

*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*, effective February 1, 1965.

*Original Product — Type Certificate Number:* 3A19

*Make:* Cessna

*Model:* 152 and A152

*Description of Type Design Change:* Installation of a Sensenich S72CKS6-0-52, -54, or -56 propeller/spinner assembly on Lycoming O-235-L2C or O-235-L2C(M)* engine in accordance with Kennis G. Blackman Installation Instructions No. KB 1030.

*O-235-L2C(M) - STC SE792NW

NOTE: Authorization is granted for installation of this modification on only the specific aircraft identified on back of this page.
(VALID ONLY WITH ORIGINAL SIGNATURE AND SEAL)

*Limitations and Conditions:* Approval of this change in type design applies basically to the above model aircraft only. This approval should not be extended to other aircraft 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, including changes in type design, will introduce no adverse effect upon the airworthiness of that aircraft. A copy of this Certificate and FAA Approved Airplane Flight Manual Supplement 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 28, 1980

*Date of issuance:* February 10, 1981

*Date reissued:*

*Date amended:* January 21, 1983

*By direction of the Administrator*

*(Signature)*

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

*(Title)*

*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)

## DISCLAIMER of RESPONSIBILITY and LIABILITY

The following License and Use Authority grants permission to t named individual(s) for the application of this modification t single aircraft, in accordance with the accompanying Installat Instructions. The Federal Aviation Administration approval r resented by the issuance of this Supplemental Type Certificate the below named STC Holder is valid only if said modification are made in strict compliance with all information given here The STC Holder, by the below authorized signature, assumes no sponsibility, or liability, for any parts fabrication, install ion of fabricated or purchased parts, and/or any workmanship or by, anyone other than that actually done by the STC Holder, any way involved with any portion of the application or instal tion of this modification, or determination of applicability this modification, to the below aircraft.

## AUTHORIZATION ENDORSEMENT

Limited License for use of Supplemental Type Certificate Numb **SA1008NW**

is extended to the below named individual(s) or company, by t STC Holder, by the original authorized signature affixed belo

Norman Hood (512-244-1726)

1925 West Creek Loop

Round Rock, TX 78681

is hereby given license to perform the modification(s) approv by the above named Supplemental Type Certificate, in accordan with its FAA Approved Installation Instructions and drawings the specific single aircraft described as;

Registration: N13EA Serial No.: 152-79914

Manufacturer: Cessna Aircraft Model No.: 152

Engine Model: Lycoming O-235-L2C Engine S/N: L-14810-15

by Grantor; Air Mods N. W. - Kennis G. Blackman
(STC Holder or Master Licensee)

Address of Grantor: P.O. Box 8

City, State, Zip: Snohomish, WA 98290

Limited License Authority given this date: January 22, 1997

Signature of Grantor *(In ink)*;

Kennis G. Blackman or Don Andre

**(VALID ONLY WITH ORIGINAL AUTHORIZED SIGNATURE)**