

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

Number SA3825SW

This certificate issued to Todd or Jo Peterson
1465 SE 30th
El Dorado Municipal Airport
El Dorado, KS 67042

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 Regulations.

Original Product Type Certificate Number : 3A13
Make: Cessna Aircraft Company
Model: 182E, F, G, H, J, K, L, M, N, P, Q, and R

Description of Type Design Change:

Installation of a Teledyne Continental Motors IO-470-F engine, fuel system modifications, and a McCauley D2A34C58/90AT-8 (82" dia.), 2A34C66/90AT-8 (82" dia.) or 2A34C50/90A-8 (82" dia.) propeller; or Hartzell BHC-G2YF-1BF/F8468A-2R (82" dia.) propeller as defined in Table I on page 3 of this certificate.

OR,

Installation of a Teledyne Continental Motors IO-550-D engine, fuel system modifications, and a McCauley D3A34C401/90DFA-8 (Model 182 E, F, G, H, J, K, L, M, N, P, Q, and R) or D3A34C401/90DFA-4 propeller (Model 182P, Q and R only), as defined in Table I on page 3 of this certificate.

Data Required:

1. A copy of this certificate and,
2. Item 1, 2, 3 or 4 as defined in Table I on page 3 of this certificate.

Limitations and Conditions:

1. The installer must determine whether this design change is compatible with previously approved modifications.
2. If the STC holder agrees to permit another person to use this certificate to alter the product, the holder must give the other person written evidence of that permission.
3. Approval of this change in type design applies to the above model airplanes only.
4. A copy of this certificate, the data required and the ICA shall be maintained in the airplane permanent records.

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: September 10, 1986

Date reissued: February 9, 2000, July 3, 2001

Date of issuance: August 12, 1987

Date amended: November 3, 1987, March 30, 2006,
July 30, 2010



By direction of the Administrator

Original signed by Steven C. Litke

(Signature)

Steven C. Litke
Program Manager
Wichita Aircraft Certification Office

(Title)

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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 SA3825SW

Date of application: September 10, 1986

Date amended: July 30, 2010

Data Required: (Continued)

ITEM	AIRPLANE MAKE	AIRPLANE MODEL	INSTALLATION DRAWING, ENGINE & PROPELLERS	AIRPLANE FLIGHT MANUAL SUPPLEMENT	INSTRUCTIONS FOR CONTINUED AIRWORTHINESS
1	Cessna	182E, F, G, H, J, K, L, M, N, P, Q, R	Advanced Lift Systems Drawing 1000-100-1, Revision (E), dated August 3, 1987 or later FAA approved revision. Engine: IO-470-F Propellers: (82" diameter) D2A34C58/90AT-8 2A34C66/90AT-8 2A34C50/90A-8	No document number, dated August 12, 1987 or later FAA approved revision.	1000-100, Revision (-), dated August 5, 2005 or later FAA approved and accepted revision.
2	Cessna	182E, F, G, H, J, K, L, M, N, P, Q, R	Advanced Lift Systems Drawing 1000-100-1, Revision (G), and Drawing Change Notices 1, 2 & 3 dated June 29, 2004, FAA approved March 30, 2006 or later FAA approved revision. Engine: IO-470-F Propellers: (82" diameter) D2A34C58/90AT-8 2A34C66/90AT-8 2A34C50/90A-8 BHC-G2YF-1BF/F8468A-2R	1000-101, Revision (A) dated March 30, 2006 or later FAA approved revision.	1000-100, Revision (-), dated August 5, 2005 or later FAA approved and accepted revision.
3	Cessna	182E, F, G, H, J, K, L, M, N, P, Q, R	Peterson Performance Plus, Inc. Drawing 1000-100-1, Revision (R), approved June 7, 2010 or later FAA approved revision. Engine: IO-550-D Propeller: (82" diameter) D3A34C401/90DFA-8	1000-101-550-ONF, Revision (NC), approved July 29, 2010 or later FAA approved revision, or 1000-101-550-HOL, Revision (NC), approved July 29, 2010 or later FAA approved revision.	1000-100, Revision (E), dated June 10, 2010 or later FAA approved and accepted revision.
4	Cessna	182P, Q, R	Peterson Performance Plus, Inc. Drawing 1000-100-1, Revision (R), approved June 7, 2010 or later FAA approved revision. Engine: IO-550-D Propeller: (86" diameter) D3A34C401/90DFA-4	1000-101-550-ONF, Revision (NC), approved July 29, 2010 or later FAA approved revision, or 1000-101-550-HOL, Revision (NC), approved July 29, 2010 or later FAA approved revision.	1000-100, Revision (E), dated June 10, 2010 or later FAA approved and accepted revision.

TABLE I

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