

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

Number SA03078CH

This certificate issued to

Hartzell Propeller Inc.
One Propeller Place
Piqua, OH 45356-2634

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.

(See Aircraft Specification 3A13 or A42EU for the complete certification basis).

Original Product—Type Certificate

Number: 3A13, A42EU

Make: Cessna Aircraft Company

Model: R182, FR182, TR182, T182, 182S, 182T, and T182T.

Description of Type Design Change:

Installation of Hartzell HC-(C,I,F)3YR-1(A)RF/F8068(K) or HC-(C,I,F)3YR-1(A)RF/F7693F(K)+2 propeller in accordance with Installation Instructions H1010-3 Revision IR, dated February 9, 2012, or later FAA approved revisions. See Installation Instructions H1010-3 Revision IR, for specific engine and serial number eligibility.

Limitations and Conditions:

1. Compatibility of this design change with previously approved modifications must be determined by the installer.
2. FAA Approved Airplane Flight Manual Supplement AFMS H1010- 9 Revision IR, FAA approved May 4, 2012, or later FAA approved revision is required.
3. Instructions for Continued Airworthiness H1010-4 Revision IR, dated February 14, 2012 are applicable.

(Continued....)

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: November 2, 2010

Date reissued:

Date of issuance: May 4, 2012

Date amended:



By direction of the Administrator

Original Signed By:

Timothy Smyth

(Signature)

Timothy Smyth
Manager, Propulsion Branch
Chicago Aircraft Certification Office

STC SA03078CH

Date of issuance:

(Title)

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

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(Continuation Sheet)

May 04, 2012

Limitation and Conditions continued...

4. This modification was shown to comply with FAR 36, Appendix G in an FAA approved noise test. The certified take-off noise level for this modification at 3100 lb maximum gross weight is 77.5 dB(a) for airplanes equipped with the Hartzell HC-(C,I,F)3YR-1(A)RF/F8068(K) propeller, or 78.1 dB(a) for airplanes equipped with the Hartzell HC-(C,I,F)3YR-1(A)RF/F7693F(K)+2 propeller. No determination has been made by the Federal Aviation Administration that the noise levels of this airplane are or should be acceptable or unacceptable for operation at, into, or out of, any airport.
5. 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.

...END...