

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

Number SA02227AK

This Certificate issued to

John P. Zarling
1958 Raven Dr.
Fairbanks, AK 99709

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 O-320-E2D engine on Cessna Model 177 aircraft in accordance with Hot Springs Aviation Installation Instructions INST-177-02, dated August 30, 2005, or later FAA approved revision.

Limitations and Conditions:

- 1) When the engine is modified in accordance with Supplemental Type Certificate (STC) Number SE3692SW, Supplemental Airplane Flight Manual, Document No. SAFM-177-02, Revision 2, dated April 6, 2016, or later FAA approved revision is a required part of this modification.
- 2) When the engine is modified in accordance with STC Number SE00252SE, Supplemental Airplane Flight Manual, Document No. SAFM-177-03, Revision 1, dated April 6, 2016, or later FAA approved revision, is a required part of this modification.
- 3) For Instructions for Continued Airworthiness, refer to Cessna Model 177 maintenance manuals and STC numbers SE3692SW and SE00252SE.
- 4) Compatibility of this design change with previously approved modifications must be determined by the installer.
- 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.

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 25, 1998

Date reissued: September 1, 2005;
October 22, 2014

Date of issuance: October 13, 2004

Date amended: September 1, 2005; April 6, 2016



By direction of the Administrator

(Signature)

August A. Asay
Manager, Anchorage Aircraft Certification Office

(Title)

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