



United States of America
Department of Transportation
Federal Aviation Administration

Supplemental Type Certificate

Number: SA01820WI

This certificate issued to: Aeronautix, LLC
4603 John Garry Drive, Suite 12
Columbia, MO 65203

certifies that the change in the type design for the following product with the limitations and conditions therefore as specified hereon meets the airworthiness requirements of Part 3* of the Civil Air Regulations.

Original Product – Type Certificate Number: A3SO
Make: Piper
Model: PA-32R-300, PA-32RT-300, PA-32R-301(SP)

Description of Type Design Change:

- Installation of a Lycoming IO-540-K1G5 Engine. Data required:
1. Aeronautix Master Data List (MDL), Document No. 16-001-SC4302, Rev. 1, dated September 21, 2016; and
 2. Aeronautix Airplane Flight Manual Supplement (AFMS), Document No. 16-001-FT2901, Rev. 1, dated October 3, 2016, or later FAA Approved revision to (1) or (2).

Limitations and Conditions:

1. Compatibility of this design with previously approved modifications must be determined by the installer.
2. Compatible with FAA STC SA433CH, Installation of a McCauley Propeller Model B3D36C427/82NGA-2.
3. Compatible with FAA STC SA00953AT, Installation of a composite mod comp engine cowling with cowl flaps.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, and revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of Application: March 22, 2016

Date Reissued:

Date of Issuance: October 12, 2016

Date Amended:

By Direction of the Administrator

Signature _____

Title Charlene Combs
Program Manager
Wichita Aircraft Certification Office

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 or made available to third persons by licensing agreements in accordance with 14 CFR 21.47. Possession of this Supplemental Type Certificate (STC) document by persons other than the STC holder does not constitute rights to the design data nor to alter an aircraft, aircraft engine, or propeller. The STC's supporting documentation (drawings, instructions, specifications, flight manual supplements, etc.) is the property of the STC holder. An STC holder who allows a person to use the STC to alter an aircraft, aircraft engine, or propeller must provide that person with written permission acceptable to the FAA. (Ref. 14 CFR 21.120).



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INSTRUCTIONS: The transfer endorsement below may be used to notify the appropriate FAA Aircraft Certification 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 Supplemental Type Certificate Number: SA01820WI

To (Name and address of transferee)

From (Name and address of grantor)

Extent of Authority (if licensing agreement):

Date of transfer:

Signature of grantor: _____

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(Continuation Sheet)

Number: SA01820WI

Date Issued: October 12, 2016

*Certification Basis: (continued from page 1)

Based on 14 CFR §§ 21.101 and 21.115, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for the Installation of is as follows:

1. The type certification basis for areas not changed or not affected by the this modification is shown on TCDS A3SO.
2. The type certification basis for areas changed or affected by this modification since the date of application was determined to be:
 - A. Regulations at the latest amendment: N/A.
 - B. Regulations at the intermediate amendment: N/A.
 - C. Regulations at the amendment level in the applicable TCDS:
 - i. Civil Air Regulations (CAR), Part 3, effective May 15, 1956, through Amendment 3-8, effective December 18, 1962, sections:
3.0, 3.171, 3.195, 3.196, 3.385, 3.393, 3.411, 3.415, 3.416 - 3.418, 3.422, 3.429, 3.433, 3.435 - 3.437, 3.449, 3.550, 3.554, 3.561 - 3.567, 3.570, 3.576, 3.581, 3.651, 3.652, 3.655(d)(2), 3.735, 3.737, 3.744 - 3.748, 3.756, 3.759 - 3.761, 3.767(a)(b), 3.777, 3.778(b)(c)(d).
 - ii. 14 CFR 23.959 as amended by Amendment 23-7, effective September 14, 1969.
 - iii. 14 CFR 23.1529 as amended by Amendment 23-26, effective October 14, 1980.
 - iv. 14 CFR 23.1581(b)(2) as amended by Amendment 23-21, effective March 1, 1978.
 - v. 14 CFR 23.1589 as amended by Amendment 23-13, effective October 23, 1972.

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