

United States of America
Department of Transportation -- Federal Aviation Administration

Supplemental Type Certificate

Number SA4428SW

This certificate issued to AirPlains Services Corporation
P. O. Box 541 Wellington Airport
Wellington, KS 67152

PROPRIETARY INFORMATION
Information contained here in regard
to STC SA00152WI, is the property of
AIR PLAINS SERVICES, CORP. This
document or drawing is authorized only
to be used on Aircraft N#: C-Go
S/N: 17280270 and no other. Any
other use constitutes fraud.

Signed: L. J. Valley

*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.*

Original Product - Type Certificate Number 3A12

Make: Cessna

Model: 172B, 172C, 172D, 172E, 172F (USAF T-41A), 172G,
172H (USAF T-41A), 172I, 172K, 172L, 172M, 172N, 172P, 172R

Description of Type Design Change:

Installation of 180 Horsepower Lycoming O-360-A2F, -A3A, and O-360-A4A, -A4M, -A4N, and IO-360-L2A (172R only) engines and McCauley 1A170/CFA7660 propeller or Lycoming O-360-A4A, -A4M, or -A4N engines and Sensenich 76EM8S propeller in accordance with Drawing List 1727600, Revision 18, dated June 30, 2000, Installation (See continuation sheet 2 of 2)

Limitations and Conditions:

Compatibility of this design change with previously approved modifications must be determined by the installer. Cessna 172I must be placarded: "Flight with a pilot only requires 10 pounds of ballast at Station 95 (baggage compartment)." Sensenich 76EM8S propeller limited to solid crankshaft Lycoming O-360-A4 series engines only. Cessna Model 172R limited to IO-360-L2A engine only and includes compliance with FAR 23.1093 (a) (5) and 23.1107 (a) & (b). 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: March 18, 1976

Date reissued: Jun 26, 1984; Aug 27, 1985;
Nov 10, 1987

Date of issuance: July 24, 1981

Date amended: Sep 17, 1987; Mar 21, 1990;
Mar 31, 1994; Mar 9, 1995; Jan 7, 1997;
Feb 10, 1998; Jul 06, 2000; Mar 13, 2002



By direction of the Administrator

Scott West

(Signature)

Scott West
Program Manager
Wichita Aircraft Certification Office

(Title)

United States of America
Department of Transportation - Federal Aviation Administration

Supplemental Type Certificate

(Continuation Sheet)

Number SA4428SW

Date of Issuance: July 24, 1981

Date Amended: March 13, 2002

PROPRIETARY INFORMATION

Information contained here in regard to STC SA00152W1, is the property of AIR PLAINS SERVICES, CORP. This document or drawing is authorized only to be used on Aircraft N#: C-GCVO S/N: 17280270 and no other. Any other use constitutes fraud.

Signed: _____

L. J. Kelley

Description of Type Design Change (Continued):

Instruction 172031, Revision 6, dated December 16, 1996, (For 172I through 172P Models), or Installation Instructions 172034, Revision 4 dated June 30, 2000, (For 172B through 172H Models) or Installation Instructions 1720971, Revision original dated January 14, 1998 and Parts List 172032, Revision 3, dated June 30, 2000 or later "FAA Approved" Revisions. Airplane Flight Manual Supplement for airplane serial number 17271035 and on dated August 27, 1985 or later "FAA Approved" Revision is also required. Owners Handbook Supplement for Airplane Serial Numbers 17247747 through 17267584 dated December 23, 1996, or later revision is also required.

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