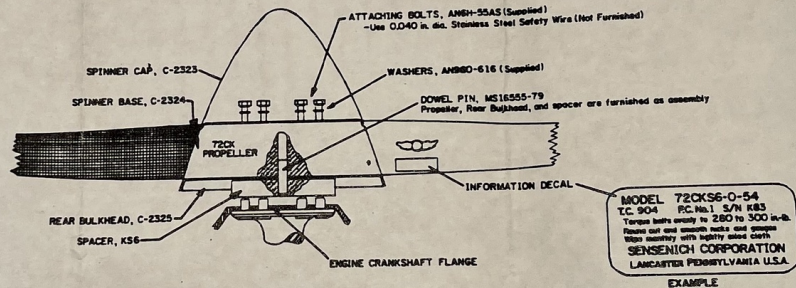




SENENICH CORPORATION
LANCASTER, PENNSYLVANIA

DRAWING NO. B-1732 (Equivalent to dwg. C-2309A, rev. B: Assembly of S72CK56 Spinner/Propeller)



INSTALLATION NOTES:

- (1) Install propeller, rear bulkhead, and spacer assembly on engine flange. Position spinner base (C-2324), and insert propeller attaching bolts (6 ea. AN6H-55AS bolts and AN660-616 washers, furnished).
- (2) Assemble spinner base to rear bulkhead (6 stainless steel pan-head screws/fiber washers and 4 screw/fiber washers/lock-nut assemblies furnished) (117-107, 104-107).
- (3) Tighten propeller attaching bolts (280 to 300 in.-lb.). Install 0.040 in. dia. stainless steel safety wire (not furnished).
- (4) Install spinner cap (C-2323, 6 stainless steel pan-head screws/fiber washers furnished).
- (5) Net DECREASE in aircraft moment (Cessna 152, empty), when McCauley 1A103/TCM6958 propeller and Cessna spinner (Dwg. O450073) are removed and Senenich S72CK56-O-54 or -56 spinner/propeller assembly is installed is 11.7 in.-lb. (propeller arm is 36.5 inches). Net decrease in useful load is 3.2 lb.

R.E.B.(2-5-81)

Department of Transportation — Federal Aviation Administration
Supplemental Type Certificate

Number

SA1219EA

This certificate issued to
Sensenich Corporation
P.O. Box 1168
Lancaster, Pennsylvania

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

Original Product — Type Certificate Number 3A19
Make Cessna
Model 152

Description of Type Design Change:
Installation of a Sensenich Model 72CKS6-0-56 or -54 metal propeller and a S72CK spinner
assembly in accordance with Sensenich Corporation Drawing C-2309A Revision B dated
June 4, 1980.

Limitations and Conditions: 1. For aircraft serial numbers up to and including 152-82031, the
following propeller limits must be displayed in cockpit:
a. Propeller Diameter not over 72 inches; not under 70 inches.
b. Static RPM limits at maximum permissible throttle settings; Not over 2275 not under 2100.
c. Maximum RPM except takeoff and climb (FAR 36 cruise maximum continuous power limit)
2440 RPM.

2. For aircraft serial numbers 152-82032 and above: FAA approved Sensenich Flight Manual
Supplement No. 1 dated January 20, 1981 is required. (con)

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

Date of application: March 18, 1980

Date received:

Date of issuance: January 20, 1981

Date annulled:

By direction of the Administrator
Raymond J. Borowski
(Signature)

Chief, Engineering & Manufacturing Branch
(Title)

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 in accordance with FAR 21.47.

*A Form 8170-2 (10-68)

PAGE 1 OF 2 PAGES

SUPPLEMENT NO. 1
To Cessna Model 152 FAA
Approved Airplane Flight Manual
FOR

Sensenich 72CKS6-0-56 or -54 Metal Propeller and S72CK Spinner Assembly

Reg. No. _____
Serial No. _____

This supplement is applicable to Cessna Model 152 aircraft with serial numbers
152-82032 and above. It must be attached to the FAA Approved Airplane Flight
Manual dated July 1, 1978, when the Sensenich 72CKS6-0-56 or -54 metal propeller
and 72CK spinner (assembly) is installed in accordance with STC SA1219EA dated
January 20, 1981.

This supplement contains the limitations and operating procedures, both normal and
emergency, for the Sensenich S72CKS6-0-56 or -54 metal propeller and S72CK
spinner assembly installation when operating in accordance with this supplement.
These limitations and procedures are in addition to, or in place of those contained
in the basic FAA Approved Airplane Flight Manual.

FAA Approved *Raymond J. Borowski*
Chief, Engineering & Manufacturing Branch, AEA-210

Date January 20, 1981

LOG OF REVISIONS

*Revised Pages

Rev No.	Pages No.	Date	Description	Approved
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I LIMITATIONS:

Propeller: Sensenich Model 72CKS6-0-56 or -54.
Diameter: Not over 72in.; not under 70in.
Static RPM limits at maximum permissible throttle setting - not over 2275; not
under 2100.
Engine limits: Take off power 2550 RPM.
FAR 36 Noise Certification Maximum continuous power - 2440 RPM

II Procedures - No change.

III Emergency Procedures - No change.

IV Performance - Performance is equivalent to an unmodified Model 152.