

CERTIFICADO SUPLEMENTAR DE TIPO

(Supplemental Type Certificate)

NÚMERO

2013S02-09

(Number)

Este certificado, emitido com base na Lei nº 7565 "Código Brasileiro de Aeronáutica", de 19 de dezembro de 1986, (This certificate, issued in the basis of the Law No. 7565 "Código Brasileiro de Aeronáutica", dated 19 December 1986,

é conferido ao (à):

Sensenich Propeller Manufactoreing Company, Inc

is granted to:)

14 Citattion Lane Lotitz, PA 17543

USA

por ter a modificação ao projeto de tipo do produto abaixo citado, observadas as limitações e condições (for having the change to the type design of the product mentioned below, with the limitations and conditions therefor as)

especificadas, satisfeito aos requisitos de aeronavegabilidade aplicáveis. (specified hereon, met the applicable airworthiness requirements.)

Produto Original - Número do Certificado de Tipo: 3A19 (FAA)

(Original Product - Type Certificate No:)

Fabricante:
(Manufacturer:)

Cessna Aircraft Company

(manarastaren.)

Modelo(s): 152 and A152

(Model(s):)

DESCRIÇÃO DA MODIFICAÇÃO AO PROJETO DE TIPO: (Description of Type Design Change:)

Installation of a Sensenich model 72CKS6-0-56 -54 or -52 metal propeller and S72CK spinner assembly in accordance with Sensenich Propeller Manufacturing Drawing C-2326, Rev. J, dated 10 July 2003, or later approved revisions.

This CST validates in Brazil the STC # SA1219EA, issued by FAA (USA).

LIMITAÇÕES E CONDIÇÕES:

(Limitations and Conditions:)

See continuation sheet for applicable data.

DATAS: (Dates of:)

Steven street

(Application:)

Do Requerimento: 13 Apr. 2012

Da emissão: 22 Feb. 2013

Da reemissão:

Da emenda: (Amendment:)

HELIO TARQUINIO JÚNIOR

Gerente-Geral, Certificação de Produto Aeronáutico (General Manager, Aeronautical Product Certification)

DINO ISHIKURA

Superintendente de Aeronavegabilidade (Airworthiness Superintendent)

F-400-01G (04.12)

Fl. 01 de 02 (Sheet) (of) H.02-3951-0

N	0.	T/	١:
(N	ot	e	:)

- Este Certificado e os dados técnicos com base no quais ele foi emitido são válidos até que sejam cancelados, (This Certificate and the supporting technical data used for approval shall remain in effect until surrended, a)
 - suspensos, revogados ou um prazo limite seja estabelecido pela Agência Nacional de Aviação Civil. suspended, revoked or a termination date is otherwise established by the Agência Nacional de Aviação Civil.)
- No caso de transferência de propriedade deste Certificado, o transferente deve preencher o quadro "Endosso (In case of transfer of the property of this Certificate, the grantor should fill the blanks of "Transfer b)

de Transferência", e o adquirente deve enviar este Certificado à Gerência Geral de Certificação de Produto Aeronáutico Endorsement", and the transferee must remit this Certificate to the Gerência Geral de Certificação de Produto Aeronáutico

para que seja reemitido em seu nome. to permit reissuance of the Certificate in his name.)

ENDOSSO	DE	TRA	NSF	erên	CIA

ENDOSSO DE TRANSFERÉ (Transfer Endorser							
Transfiro a propriedade (I transfer the propert	deste Certif y of this S	icado Suplemen upplemental Ty	tar de Tipo para: pe Certificate	to:)			
ADQUIRENTE (Transferee)							
Nome: (Name:)			••••••		•••••		
Rua:(Street:)	•••••	••••••	•••••	•••••		••••••	
CEP: (Zip:)	.Cidade:	*		••••••	. Estado: (State:)	País:(Country:)	
TRANSFERENTE (Grantor)							
Nome: (Name:)	•••••	•••••••••••••••••••••••••••••••••••••••		•••••			
Rua:(Street:)		••••••		•••••		••••••	
CEP: (Zip:)	Cidade: (City:)	•••••			Estado: (State:)	País:(Country:)	
Data de Transferência: (Date of Transfer:)				•••••		•••••	
Assinatura do Transfer (Signature of the Gra			•••••		•••••	•••••	•••••
		Nome:(Name:)	•••••	•••••		••••••	
		Cargo:(Function:)	•••••				



Folha de Continuação ao

CERTIFICADO SUPLEMENTAR DE TIPO

(Supplemental Type Certificate)

NÚMERO (Number) 2013S02-09

LIMITAÇÕES E CONDIÇÕES: (Limitations and Conditions:)

- I. The approval of this type design change should not be extended to other aircraft of this model on which other previously approved modifications are incorporated unless it is determined by the installer that the relationship between this change and any of those other previously approved modifications, including changes in Type Design, will introduce no adverse effect upon the airworthiness of that aircraft.
- II. 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.
- III. For the aircraft Serial Number 152-82032 and above, operation must be performed in accordance with FAA approved Aircraft Flight Manual Supplement AFMS, document No. 1, no revision, dated 09 Apr. 2004, or later approved revision.
- IV. For aircraft Serial Number 152-82031 and up, the following propeller limits must be displayed in the cockpit:
 - a) Propeller Diameter not over 72 inches; not under 70 inches
 - b) Static RPM limits at maximum permissible throttle setting: not over 2275, not under 2100
 - c) Maximum RPM except takeoff and climb (FAR 36 cruise maximum continuous power limit) 2440 RPM.
- V. A copy of this Certificate and the Supplement referred on item III above (if applicable) shall be maintained as part of the permanent records of the modified aircraft.

-----END----

SENSENICH PROPELLER MANUFACTURING COMPANY, INC.

AREA CODE 717 PHONE - 569-0435 FAX - 560-3725



14 CITATION LANE LITITZ, PA 17543

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

Sensenich 72CK\$6-0-52 through 56 Metal Propeller and \$72CK Spinner Assembly

Reg. No____

1978 when the Sensenich 72CKS6-0-52 through 56 metal propeller and 72CK spinner (assembly) is installed in accordance with STC SA1219EA dated January 20, 1981.

Serial 1			l No	05 JH 57 DEC 20000				760		
This	supple	ment	is	applicable	to Ce	ssna	Model	152	aircr	aft
with	serial	numi	ers	152-82032	and a	bove.	. It m	ıst b	be att	ached
to t	he FAA	Appro	oved	Airplane	Flight	Manu	ual dat	ed d	July 1	,

This supplement contains the limitations and operating procedures, both normal and emergency, for the Sensenich S72CKS6-0-52 through 56 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 Annro	wes Michele Maures	
. rat reppro	Vito A. Pulers	
- 33	Manager	
C	New York Aircraft Certification Office	8: 10 1-1
	Federal Aviation Administration	
Date:	APR - 9 2004	

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

Sensenich 72CKS6-0-52 through 56 Metal Propeller and S72CK Spinner Assembly

I Limitations:

Propeller: Sensenich Model 72CKS6-0-52 through 56

Diameter: Not over 72 in.; not under 70 in.

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

FAA Approved

Date_ AFR -9 2004

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

Sensemich 72CKS6-0-52 through 56 Metal Propeller and S72CK Spinner Assembly

LOG OF REVISIONS

• Revised Pages

Rev	Pag	es		
No.	No.	Date	Description	Approved
А	1,2,3	1/12/04	Updated format, Added 52" Pitch	

FAA Approved

Date_ APR -9 2004

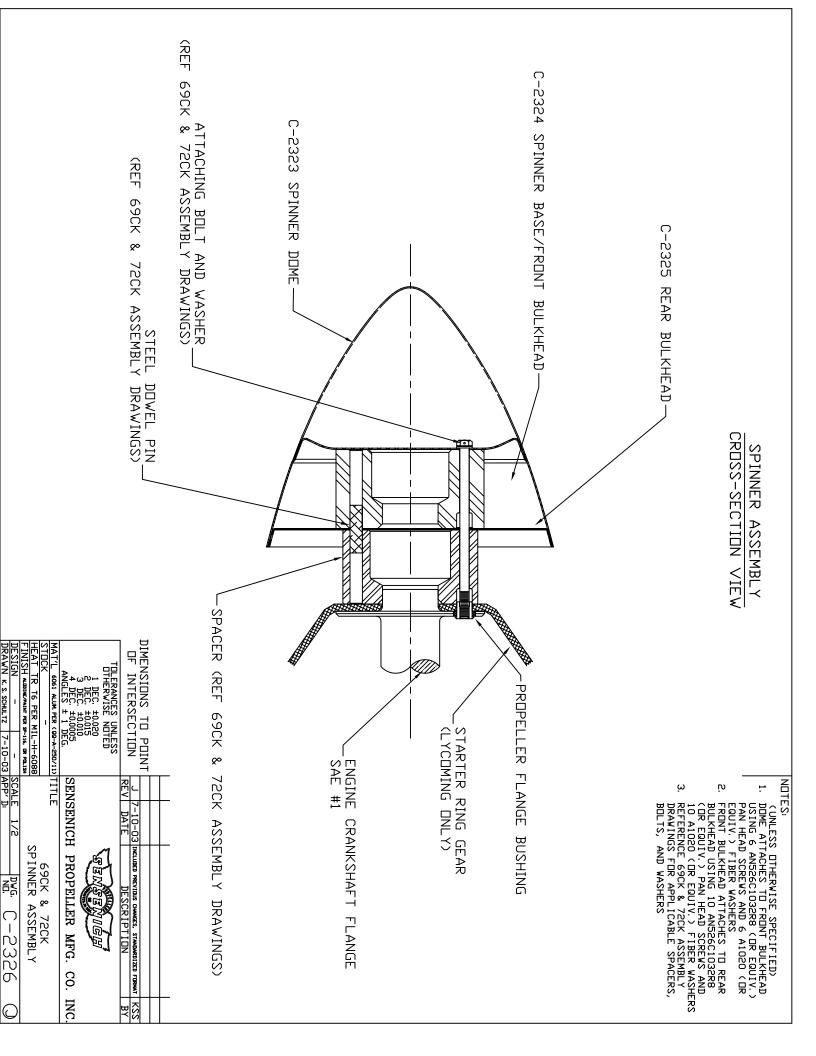
Sensenich Propeller Manufacturing Company, Inc. INSTALLATION OF Model 72CKS6-0-56, -54 and -52 Metal Propellers FAA APPROVED MODEL LIST (AML) NO. SA1219EA

Original Issue Date April 09, 2004 Revision 1, Dec. 1, 2004

				
AML Amendment Date	N/A	N/A	N/A	N/A
AFM Supplement Number/Date	Supplement No. 1, dated April 09, 2004			
Installation Instructions	Sensenich Propeller Manufacturing Co. Installation Instructions for S72CKS6 Propeller dated January 12, 2004 and Sensenich Propeller Manufacturing Co. Installation Drawing C-2326 Revision J dated July 10, 2003.	Sensenich Propeller Manufacturing Co. Installation Instructions for S72CKS6 Propeller dated January 12, 2004 and Sensenich Propeller Manufacturing Co. Installation Drawing C-2326 Revision J dated July 10, 2003.	Sensenich Propeller Manufacturing Co. Installation Instructions for S72CKS6 Propeller dated January 12, 2004 and Sensenich Propeller Manufacturing Co. Installation Drawing C-2326 Revision J dated July 10, 2003.	Sensenich Propeller Manufacturing Co. Installation Instructions for S72CKS6 Propeller dated January 12, 2004 and Sensenich Propeller Manufacturing Co. Installation Drawing C-2326 Revision J dated July 10, 2003
Certification Basis	T.C. 3A19 / CAR 3	T.C. 3A19 / CAR 3	T.C. A13EU / CAR 3	T.C. A13EU / CAR 3
Aircraft Model	152	A152	F152	FA152
Aircraft Make	Cessna	Cessna	Reims Aviation	Reims Aviation
Item		7	n	4

Page 1 of 1

Gaetano Sciortino Acting Manager, New York Aircraft Certification Office



PROPELLER INSTALLATION INSTRUCTIONS FOR SENSENICH S72CKS6 PROPELLER ON CESSNA 152/REIMS AVIATION CESSNA 152 AIRCRAFT

I) Remove Cessna spinner assembly, Sensenich or McCauley Propeller and mounting bolts per instructions in 152 Maintenance Manuals.

Original attaching bolts and spinner can be used to install Sensenich Propeller, provided original propeller was a Sensenich 72CKS6.

II) INSTALLATION OF 72CKS6 PROPELLER:

- a) Install propeller, spacer assembly, rear spinner bulkhead, on engine flange as per included drawing #C-2326 Rev J.
- b) Position front spinner, and insert propeller attaching bolts(6 each AN6H-55AS bolts and AN960-616 washers (furnished).
- c) Tighten propeller attaching bolts (280 to 300 inlb.). Install 0.040 inch diameter stainless steel safety wire (not furnished).
- d) Install spinner dome.

III) WEIGHT AND BALANCE:

a) Revision of the aircraft weight and balance is not necessary if replacing a Sensenich Propeller. If replacing a McCauley fixed pitch propeller, the weight and balanced must be changed. The Sensenich 72CK weighs 28.4 lbs at an arm of -36.5 inches.

IV) FLIGHT MANUAL SUPPLEMENT:

For all aircraft models the following propeller limits must be displayed in the cockpit:

1) Propeller Diameter not over 72 inches; not under 70 inches

- 2) Static RPM limits at maximum permissible throttle settings; not over 2275, not under 2100
- 3) Maximum RPM except takeoff and climb (FAR 36 cruise maximum continuos power limit) 2440 RPM

For aircraft S/N's 152-82032 and above: FAA approved Sensenich Flight Manual Supplement must be installed in aircraft when the above alteration is made. Fill out a 377 form for the alteration and make all necessary changes to the aircraft records.

72CKS6 INSTALLATION
Cessna 152/Reims Aviation
Cessna 152
CJS 1/12/04