

# SENSENICH PROPELLER MANUFACTURING COMPANY, INC.



AREA CODE 717

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1 August 1988

## PROPELLER INSTALLATION INSTRUCTION SENSENICH S69CK512 PROPELLER ON CESSNA 150L, A150L, 150M, A150M

I) Remove existing Cessna spinner assembly, McCauley Propeller and mounting bolts.

II) Parts List:

- 69CK Propeller
- SPKS12 Spacer
- C2325 Backplate
- C2324 Spinner Base
- C2323 Spinner Cap
- BK69CK512 Bolt Kit
  - Six AN6H-70AS Special Propeller Bolts
  - Six AN960-616 Washers
- Sixteen A1020 Fibre Spinner Washers
- Sixteen AN526-1032-R8 Spinner Screws

III) Installation of S69CK512 Propeller:

- a) Install propeller, rear bulkhead, and spacer (assembled) on engine flange. Position spinner base (C2324), and insert propeller attaching bolts (AN6H-70AS and AN960-616) with washers under the head.
- b) Assemble spinner base to rear bulkhead.
- c) Tighten propeller attaching bolts (**280 to 300 inch lbs.**) Install .040 inch dia. Stainless steel safety wire (not furnished).
- d) Install spinner cap (C2323) with A1020 Fibre Spinner Washers and AN526-1032-R8 Spinner Screws.

IV) Weight and Balance:

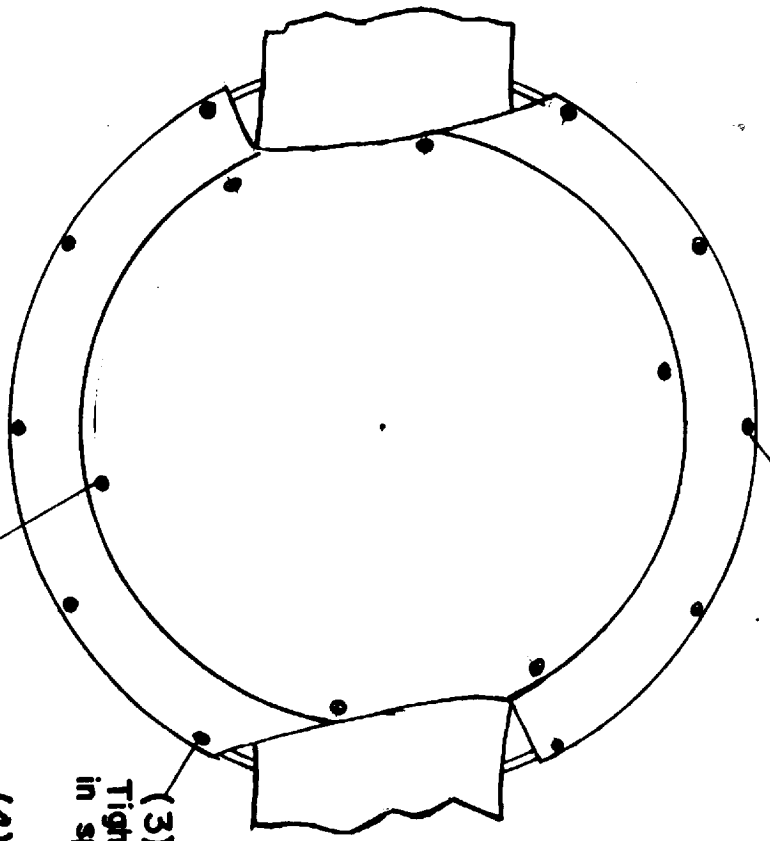
- a) **Cessna 150L, A150L, 150M, A150M** - There is a net decrease in aircraft moment when a McCauley 1A102/PCM or OCM with mounting bolts and Cessna spinner assembly (P/N 0450042-2, P/N 0450050-3) are removed, and replaced with a Sensenich S69CK512 propeller and spinner assembly. The change is 182.85 lb.-in. (the propeller moment arm is 34.5 inches) and the decrease in useful load is 5.3 lb.
- b) **Cessna 150L, A150L** - There is a net decrease in aircraft moment when a McCauley 1A101/GCM or HCM with mounting bolts and Cessna spinner assembly (P/N 0450042-2, P/N 0450050-3) are removed, and replaced with a Sensenich S69CK512 propeller and spinner assembly. The change is 158.7 lb.-in. (the propeller moment arm is 34.5 inches) and the decrease in useful load is 4.6 lb.

69CK512 Installation  
Cessna 150L, A150L, 150M, A150M  
BRS 5/5/88

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(1)

Install SPINNER BASE to BULKHEAD, loosely before tightening PROPELLER ATTACHING BOLTS TEN AN526-1032-RB or equivalent Pan Head Screws required W/washers



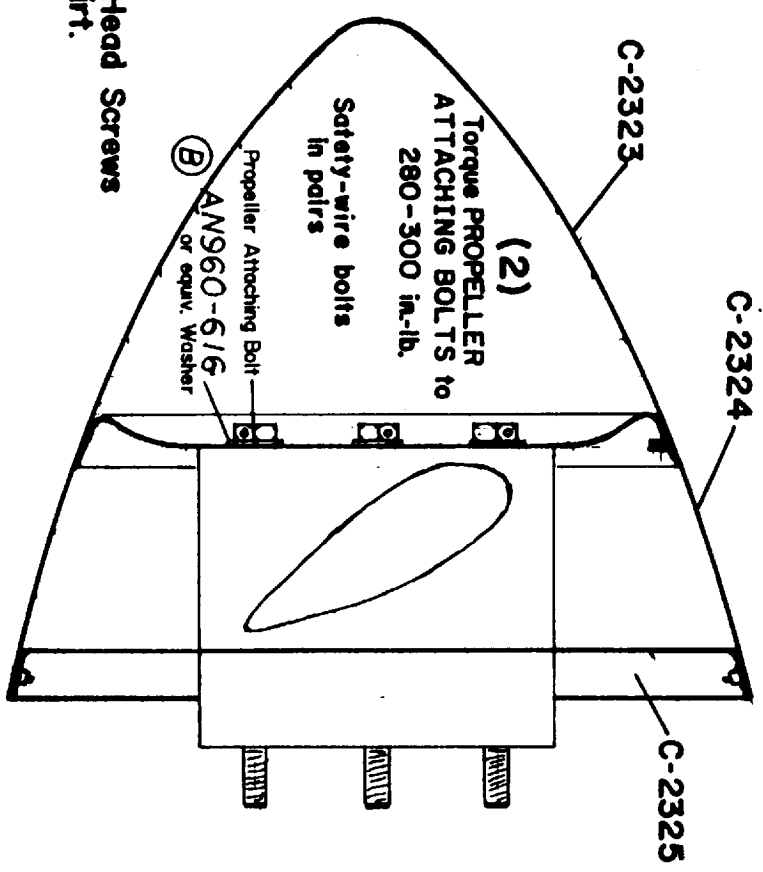
Install SPINNER CAP over completed PROPELLER ASSEMBLY SIX AN526-1032-RB or equivalent Pan Head Screws required W/washers

(2)

Torque PROPELLER ATTACHING BOLTS to 280-300 in.-lb.


Safety-wire bolts in pairs

Propeller Attaching Bolt AN960-616 or equiv. Washer



**CHANGES**

REV	DATE	CHANGE DESCRIPTION	BY	APP'D
A	11-13-92	WAS CORPORATION	KD	KD
B	11-13-92	WAS WC22-6	KD	KD

**SENSENICH PROPELLER**   
 LANCASTER, PENNSYLVANIA, U.S.A.  
**SPINNER ASSEMBLY**  
 69CK or 72CK Series Propellers  
 DRAWING NO. A-1076  
 AUGUST 9, 1985  
 R.E. Bristol