

**DESCRIPTION OF ALL OPERATIONS
PERTAINING TO AIRWORTHINESS DIRECTIVES,
SERVICE BULLETINS, SERVICE LETTERS,
& MINOR ADJUSTMENTS**

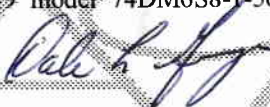
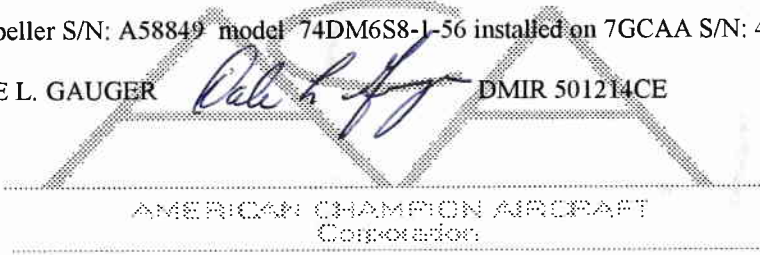
DATE	TACH TIME	DESCRIPTION OF WORK	SIGNATURE
		<p>I CERTIFY THAT THIS <u>Propeller</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>Annual</u> INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.</p> <p>DATE <u>4/19/03</u> TACH. TIME <u>124.0</u> TSN <u>124.0</u></p>	
		<p>1) AD'S checked in 03-07 issue</p>	
			<p><u>Mark Allen</u> DA 15467986</p>
7-1-04	324.5	<p>THIS PROPELLER HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR INSPECTION AND FOUND FIT FOR RETURN FOR SERVICE.</p>	<p><u>James R Rogers</u> AP 10142-7481</p>

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DATE	TACH TIME	DESCRIPTION OF WORK	SIGNATURE
<p>I CERTIFY THAT THIS</p>	<p><i>propeller</i></p>	<p>HAS BEEN INSPECTED IN ACCORDANCE WITH A <i>Annual</i> INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.</p>	
<p>DATE <i>7/1/04</i></p>	<p>TACH. TIME <i>324.5</i></p>		
		<p><i>Mail Plus #15467986</i></p>	
<p><i>7/1/05</i></p>		<p>I certify that this propeller has been inspected IAW a Annual Inspection and has been determined to be in an Airworthy Condition</p>	<p>by <i>[Signature]</i> Griffin Aviation Services a div. of Griffin Avionics Inc. Barnstable Municipal Airport Hyannis, Ma 02601 ORS - GN1R172K</p>

for,

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DATE	TACH TIME	DESCRIPTION OF WORK	SIGNATURE
Date:02-15-01 Tach Time: 0.0		This propeller S/N: A58849 model 74DM6S8-1-56 installed on 7GCAA S/N: 453-2000.	
DALE L. GAUGER			DMIR 501214CE
 <p>AMERICAN CHAMPION AIRCRAFT Corporation</p>			

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DATE	TACH TIME	DESCRIPTION OF WORK	SIGNATURE
6-11-08		Sensenich Propeller Model 74DML658-1-56 S/N A58849 was overhauled this date. See Yellow tag for details.	
		MAINTENANCE RELEASE	
		The component identified above was repaired and inspected in I.A.W. regulations of the FAA and was found airworthy for return to service for work performed. Pertinent details of the repair are on file at this agency under work order # <u>ER-6842</u>	
			FOR:
		EAST COAST PROPELLER SERVICE, INC. 2079 MAIN STREET LITITZ, PA 17543 FAA REPAIR STATION #E12064Y	

SENENICH PROPELLER MANUFACTURING COMPANY, INC.

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



14 CITATION LANE
LITITZ, PA
17543

PROPELLER INSTALLATION INSTRUCTIONS FOR SENENICH FIXED PITCH METAL PROPELLERS ON STANDARD SAE ENGINE FLANGES

Before Installation:

- a) Thoroughly clean the surfaces of the crankshaft flange and pilot stub, the rear/mounting face of the propeller, and the pilot bore. Carefully examine each surface and especially examine the end of the crankshaft pilot stub. Even minor nicks or burrs must be smoothed.
- b) Make sure the propeller attaching bolts, and the threads in the drive bushings or retaining nuts are clean and dry.
- c) Be certain that magneto switch is off, and that both magnetos are grounded.

Propeller Installation:

- a) The propeller may be mounted with or without a spinner. If a spinner is being used, the rear bulkhead may be installed between propeller and engine flange, between propeller and spacer, or between spacer and engine flange.
- b) When re-installing the spacer, make sure at least 3/4 inch but not more than 1-1/4 inch of dowel is protruding from the spacer. The #1 stamped on the spacer must be aligned with the #1 blade of the propeller. The #1 blade is indicated on the front side of the hub by a small "1" which is stamped into the aluminum just outside the hub circle. To re-install a spacer, place the propeller on a flat surface, align the pin holes with the pins in the spacer, and covering the spacer with a block of wood or some other material that will not mar the surface, use a 5 lb. hammer to pound the spacer on until it is tight against the propeller face. Alternate hits between the two sides of the spacer where the pins are installed. **NOTE: THE PINS ARE VERY TIGHT (BY DESIGN) AND IT WILL TAKE SEVERAL HITS TO ATTACH THE SPACER.** After the spacer is tight again the back of the propeller hub, check that equal amounts of the dowel pins are in the propeller and spacer. If there are not, use a 7/16 diameter steel rod and hammer to equal the pin lengths in the propeller and spacer. The dowels are 2 inches in length.

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- c) To remove a spacer, support the blades, as close to the hub as possible, so that the spacer is 2 inches above the floor. Use a steel rod, no larger than 7/16 diameter, and a hammer to pound out the spacer dowel pins. Alternate between the two pin holes so that the spacer does not get cocked and bind. **NOTE: THE PINS ARE VERY TIGHT (BY DESIGN) AND WILL REQUIRE QUITE A FEW HITS.**
- d) Check the propeller and spacer bolt hole alignment by dropping one of the propeller attaching bolts into each hole. The bolt should go freely through the assembly without any binding, if not check that the spacer is properly positioned on the propeller (see step c above).
- e) Locate the propeller on the engine flange. Refer to the airframe or engine manufacturers documentation for proper positioning of the propeller on the engine flange.
- f) Place a washer on each attaching bolt and insert the bolts through propeller holes, engaging the bolts by hand into the threads of the crankshaft flange bushings. If the bolts do not thread in easily something is wrong. Remove the propeller and recheck the bolt threads and flange bushing threads for damage or foreign material.
- g) Torque the attaching bolts according to the torque decal on the side of the propeller hub. If the decal is not present refer to the chart below. Apply torque in small increments, working diagonally across the bolt circle until reaching the recommended torque.
- h) Install 0.040 inch diameter stainless steel lock wire in propeller bolt heads locking bolt heads together. It is recommended that bolts be wired in pairs, twisting the wire between the bolt heads.

ATTACHING BOLT DIAMETER	RECOMMENDED WRENCH TORQUE
3/8 inch	23 to 25 lb-ft (280 to 300 lb-in) (31.6 to 33.9 newton-meters)
7/16 inch	40 to 45 lb-ft (480 to 540 lb-in) (54.2 to 61.0 newton-meters)
1/2 inch	60 to 65 lb-ft (720 to 780 lb-in) (81.3 to 88.1 newton-meters)

gen-install.DOC
K.C.D.
1/13/97

MAINTENANCE RELEASE

Make Sensenich

Model 74DM658-1-56

Serial No. A 58849

The component identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was found airworthy for return to service for work performed. Pertinent details of the repair are on file at this agency under Work Order No. ER-6842 and complies with Airworthiness Directives and Service Bulletins listed here.

Complete Overhaul, inspected, dye penetrated, blades
refinished, alodined, painted, checked angles, track,
and static balanced.

Manual No. SPRM590

Total Time Brought Forward Total Time Since O/H -0-

Date 6-11-08 Signed [Signature]

EAST COAST PROPELLER SERVICE INC.

SERVICEABLE

CUSTOMER Princeton Aero Service

MFG Sensenich

COMPONENT 74Dm658-1-56

REMARKS _____

— This is a complete overhaul —

ANGLES AT — **STA. LO:** — **HI:** — **FEA** —

REV: —

EAST COAST PROPELLER SERVICE INC.

2079 Main Street

Lititz, PA 17543

#E65R064Y

