

HARTZELL PROPELLER INC.

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Piqua, Ohio 45356-2634 U.S.A.



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Rev. 1

HPPA23-1

**INSTRUCTIONS FOR INSTALLATION OF
HARTZELL HC-C2YL-2CUF/FC7663-4 PROPELLERS
AND 836-29(P) SPINNERS
ON PIPER PA-23, PA-23-160 AIRCRAFT**

LOG OF REVISIONS

<u>Revision Number</u>	<u>Revised Pages</u>	<u>Description of Revision</u>	<u>Date</u>
1	2	Added CAUTION note to ensure removal of phenolic spacer and old O-ring.	12/16/02

NOTE: All changes are indicated by a black vertical line along the left margin.

FAA Approved _____ Date _____

HPPA23-1

INSTRUCTIONS FOR INSTALLATION OF
HARTZELL HC-C2YL-2CUF/FC7663-4 PROPELLERS AND 836-29(P) SPINNERS
ON PIPER PA-23 AND PA-23-160 AIRCRAFT

1. Remove original propellers and spinners.

CAUTION: Some steel hub propellers incorporate a phenolic spacer between the propeller and engine-mounting flange. When installing an aluminum hub propeller, this spacer is to be discarded. The aluminum hub propeller mounting o-ring is located on the inside diameter of the propeller hub. There should not be an o-ring on the engine flange when installing an aluminum hub propeller.

2. Install new propellers and spinners in accordance with Hartzell Owner's Manual number 115().
3. Attach Hartzell Propeller Inc. Airplane Flight Manual Supplement HPPA23-2 to existing Piper Airplane Flight Manual.
4. Revise weight and balance records to show the removal of the original propellers and spinners (using data provided in the Airplane Flight Manual Equipment List) and the addition of the following equipment at the same moment arm:

	Weight (pounds)
Propellers, Hartzell (HC-C2YL-2CUF/FC7663-4)	59.0 (each)
+	
Spinners, Hartzell (836-29(P))	4.4 (each)

5. Return aircraft to service with FAA Form 337 referencing STC.

Installation Data Sheet

Printed on 7/8/97

IDS Number: 1202

REVISION

21-May-97

Aircraft Mfg:

PIPER

Model:

PA23 APACHE

/C T.C./STCNo:

TBD

Modifier:

HARTZELL PROPELLER

Engine:

LYCOMING O-320

Power:

150-160 @ 2700RPM

Propeller Model:

HC-C2YL-2CUF/FC7663-4

Prop Dwg No:

D-2292

Deice Boot:

Deice Kit:

Prop Certified?:

Yes

T.C. No:

P920

Deice Dwg:

Spinner:

836-29(P)

P.L.R. Date:

none

Governor:

Woodward

Ref Radius:

30

Spin Mtg Kit/Parts:

NA

Reverse:

NA

Mtg Bolts/Studs:

A-2247-1

Low/LowPP:

11.8+-.02

Mtg Torque:

40-50 ft-lbs

Startlock:

17.3 +-.1.5

Cwt Part No.:

B-3202H-5

Feather/High:

78.0 +-.1.0

Prop Weight:

Cwt Angle:

NA

Cwt Slugs:

NA

Notes:

Plac/Res:

NA