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Original

MASTER DATA LIST

Installation of Hartzell Model HC-C2YK-1BF/F8477-4 or HC-C2YR-1BF/F8477-4  
Propeller on Cessna Model 172 and 175 airplanes

Document #	Description/Title	Revision	Date
Dwg No. 001	Drawing	Original	3/12/01
Dwg No. 002	Drawing	Original	3/12/01
Dwg No. 003	Drawing	Original	3/12/01
Dwg No. 835-21	Drawing	D	7/13/81
Dwg No. 835-23	Drawing	E	5/2/97
Dwg No. 835-33	Drawing	D	12/03/92
Dwg No. C-3568	Drawing	A	5/17/97
Installation Instructions FD- INSTALL-01	Installation Instructions	Original	11/19/01

**END**

## Installation Instructions for Hartzell 80-inch propeller on Cessna 172/175 Series Airplanes

### Aircraft Using Original Spinner

1. Verify aircraft has Cessna heavy-duty nose strut (or equivalent ) and at least a 6.00x6 nose tire and tube installed. The aircraft must be equipped with the Cessna heavy-duty nose strut and a nose tire no smaller than 6.00x6.

2. Remove original propeller and spinner. If the spinner is listed below, the spinner may be reinstalled.

Hartzell 835-23(P)

Hartzell C3568(P)

3. Install new propeller and damper in accordance with Hartzell Manual 115N and Drawing No. 001.

4. Reinstall spinner dome and filler plates if previously installed.

5. Install airplane Flight Manual Supplement or Supplement Flight Manual.

6. Remove any placards referring to RPM.

7. Remark the tachometer as follows:

Green Arc (normal operating range)      1900 to 2550 RPM

Yellow Arc (Take-off – 5 minutes)      2550 to 2700 RPM

Red radial line (Maximum)      2700 RPM

8. Revise weight and balance records to show the removal of the original propeller (use data provided in the aircraft equipment list) and the addition of the following equipment:

ITEM	WEIGHT	ARM
Propeller, Hartzell HC-C2Y( )-1BF/8477-4	54.0 pounds	Unchanged from previously install Harzell constant speed propeller
Damper, Hartzell C-1576	8.0	2.8 inches aft of Prop C.G.

9. Make maintance record entry and revise aircraft equipment list.

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

11. Maintain the propeller in accordance with Hatrzell Manual 115N and the Damper assembly in accordance with Hartzell Service Bulletin 110( ).

## Installation Instructions for Hartzell 80-inch propeller on Cessna 172/175 Series Airplanes

### Aircraft Using New Spinner

1. Verify aircraft has Cessna heavy-duty nose strut (or equivalent ) and at least a 6.00x6 nose tire and tube installed. The aircraft must be equipped with the Cessna heavy-duty nose strut and a nose tire no smaller than 6.00x6.
2. Remove original propeller and spinner.
3. Install spinner bulkhead as depicted on spinner drawing.

Spinner	Drawing
Hartzell 835-23	Dwg No. 835-23
Hartzell C-3568	Dwg No. C-3568

4. Install Damper assembly C1576 in accordance with Drawing No. 0001.
5. Torque A-2043 nuts (4) to 28 – 30 pound-foot
6. Install new propeller in accordance with Hartzell Manual 115N.
7. Install spinner dome and filler plates if previously installed.
8. Install airplane Flight Manual Supplement or Supplement Flight Manual.
9. Remove any placards referring to RPM.
10. Remark the tachometer as follows:
 

Green Arc (normal operating range)	1900 to 2550 RPM
Yellow Arc (Take-off – 5 minutes)	2550 to 2700 RPM
Red radial line (Maximum)	2700 RPM
11. Revise weight and balance records to show the removal of the original propeller (use data provided in the aircraft equipment list) and the addition of the following equipment:

ITEM	WEIGHT	ARM
Propeller, Hartzell HC-C2Y( )-1BF/8477-4	54.0 pounds	Unchanged from previously install Harzell constant speed propeller
Damper, Hartzell C-1576	8.0 pounds	2.8 inches aft of Prop C.G.
Spinner, Hartzell 835-23, or	5.0 pounds	Unchanged from previously install Harzell constant speed propeller
Spinner, Hartzell C3568(P)	5.0 pounds	

12. Make maintance record entry and revise aircraft equipment list.
13. Return aircraft to service with FAA Form 337 referencing STC
14. Maintain the propeller in accordance with Hatrzell Manual 115N and the Damper assembly in accordance with Hartzell Service Bulletin 110( ).