

Hartzell Propeller Inc  
One Propeller Place  
Piqua, Ohio 45356

Page 1 of 2  
Revision A  
October 19, 2009

STC SA1556GL

INSTALLATION OF A HARTZELL HC-C3YR-1RF/F7282 PROPELLER


ON CESSNA 177B, 177RG, or REIMS CESSNA F177RG AIRCRAFT

LOG OF REVISIONS

<u>Revision Number</u>	<u>Revised Page(s)</u>	<u>Description of Revision</u>	<u>Date</u>
A	All	Added page 1 revision table. Added STC compatibility note and placard	October 19, 2009

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

FAA Approved \_\_\_\_\_ Date \_\_\_\_\_

FAA APPROVED  
  
OCT 26 2009

CHICAGO AIRCRAFT  
CERTIFICATION OFFICE  
CENTRAL REGION

STC SA1556GL

INSTALLATION OF A HARTZELL HC-C3YR-1RF/F7282 PROPELLER ON CESSNA 177B,  
177RG, OR REIMS CESSNA F177RG AIRCRAFT

**NOTE: This STC is compatible with the following Power Flow Systems, Inc STCs for tuned exhaust systems:**

Cessna 177B: STC SA02115AT and SA02674AT  
Cessna 177RG: STC SA03623AT

1. Remove original propeller and spinner.
2. Install new propeller and spinner in accordance with Hartzell Owner's Manual 115( ).
3. Install the following placard between the tachometer and the manifold pressure gauge:

**"AVOID CONTINUOUS OPERATION BELOW 15 INCHES HG BETWEEN 1950 AND 2350 RPM."**

**OR, if a Power Flow exhaust STC is installed, install the following placard between the tachometer and the manifold pressure gauge:**


**"AVOID CONTINUOUS OPERATION BELOW 22 INCHES HG BETWEEN 1950 AND 2350 RPM."**

4. Remark the tachometer as follows:  
Green Arc 500 to 2700 RPM  
Red Radial 2700 RPM
5. Attach Hartzell Propeller Inc. Airplane Flight Manual Supplement to existing Cessna Airplane Flight Manual.
6. Revise weight and balance records to show the removal of the original propeller and spinner (using data provided in the Airplane Flight Manual Equipment List) and the addition of the following equipment:

	Weight (Pounds)	Arm (In) Aft Datum	Moment (Lb-in)
Propeller, Hartzell (HC-C3YR-1RF/F7282)	73.0	21.0	1533.0
+			
Spinner, Hartzell (A2295-1( ) or C-4582- ( ))			

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

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