

**HARTZELL PROPELLER, INC.**  
One Propeller Place  
Piqua, Ohio 45356-2634 U.S.A

# **HARTZELL**

## **INSTALLATION REPORT AC500**

**INSTALLATION OF THE  
HARTZELL HC-C3YR-2UF/FC 8468(A)(B,K)-6R  
PROPELLER  
ON THE  
TWIN COMMANDER 500**

**DATED: JULY 1, 2007**

<b>LOG OF REVISIONS</b>
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INSTALLATION OF THE  
HARTZELL HC-C3YR-2UF/FC 8468(A)(B,K)-6R  
PROPELLER ON THE TWIN COMMANDER MODEL 500

## 1. INTRODUCTION

This report is for the installation of the Hartzell HC-C3YR-2UF/FC8468 (A)(B,K)-6R Aluminum Compact hub propeller and Hartzell C-3258 (P) spinner assembly on the Twin Commander model 500.

## 2. ENGINE COMPATIBILITY

- A. The original Lycoming 0-540-A2B engine must be refitted with two (2) each Lycoming crankshaft counterweights, p/n LW 19227. In one crankshaft position use two (2) each Rollers, p/n LW 72965 rollers. In the other crankshaft position use two (2) each Rollers, p/n LW 72797. The installation and configuration is referenced in Lycoming Service Instruction No. 1012F and Lycoming Service Letter L235A.
- B. The propeller flange bushing locations are changed to coincide with the 0-540-A4A5 as shown on page 4 of Lycoming Service Instruction Number 1098G.
- C. The log books and FAA Form 337 should reflect the counterweights and bushing location change to conform the engine as an 0-540-A4A5 and the engine data plate serial number should have a "C" added as described in Lycoming Service Instructions 1304J.

## 3. WEIGH AND BALANCE

The new weight and balance is +15.0 pounds (lbs.) at Sta. 67.5.

\*\*\*\*\*END\*\*\*\*\*