

HP-R172K-NST

INSTRUCTIONS FOR INSTALLATION OF A

HARTZELL (P)HC-G3YF-1RF/F7392 PROPELLER WITH C-4582(P) SPINNER
Or
HARTZELL (P)HC-C3YF-1RF/F7392 PROPELLER WITH A-2295-1(P) SPINNER

ON CESSNA R172K "HAWK XP" AIRCRAFT

STC SA 02078CH

LOG OF REVISIONS

| Revision | Revised Pages | Description of Revision | Approved | Date |
|----------|---------------|-------------------------|----------|------|
| | | | | |

FAA APPROVED
[Signature]
DEC 03 2004

CHICAGO AIRCRAFT
CERTIFICATION OFFICE
CENTRAL REGION

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

FAA Approved _____

Date _____

HP-R172K-NST

INSTRUCTIONS FOR INSTALLATION OF A

HARTZELL (P)HC-G3YF-1RF/F7392 PROPELLER WITH C-4582(P) SPINNER
Or
HARTZELL (P)HC-C3YF-1RF/F7392 PROPELLER WITH A-2295-1(P) SPINNER
ON CESSNA R172K "HAWK XP" AIRCRAFT

1. Remove original propeller and spinner.
2. Install new propeller and spinner in accordance with Hartzell Owner's Manual number 115() and notes below.

NOTE: With Cylinder #6 at TDC:

PHC- propellers are installed with one blade pointing 30° below the #6 cylinder.
HC- propellers are installed with one blade aligned with the #6 cylinder.

NOTE: When installing (P)HC-C3YF-1RF/F7392 propeller with A-2295-1(P) spinner, begin installation with only the 0.250" spacer between spinner bulkhead and propeller hub, install the remaining three washers behind the bulkhead under the nut at each (6) location. After propeller is installed, the spinner can be moved further aft if necessary to adjust spinner/cowl gap by relocating washers from behind to forward of the spinner bulkhead at each mounting location. The recommended spinner/cowl gap is ½ inch. Nuts are torqued per Manual 115().

3. Inspect engine cooling baffle seals for proper fit and condition. Replace worn, broken or poorly sealing baffle seals with new material.
4. Attach Hartzell Propeller Inc. Airplane Flight Manual Supplement HP-R172K-AFMS to existing Cessna Airplane Flight Manual.
5. 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 at the specified moment arm:

| Propeller Installation | Weight lbs) | Arm (in) |
|--------------------------------|----------------|-------------|
| (P)HC-G3YF-1RF/F7392 Propeller | 71.8 | -42 |
| C-4582-(P) Spinner | 3.8 | -41.5 |
| (P)HC-C3YF-1RF/F7382 Propeller | 70.3 | -41 |
| A-2295-1(P) Spinner | 4.1 | -40.5 |

Date _____

HP-R172K-NST

INSTRUCTIONS FOR INSTALLATION OF A

HARTZELL (P)HC-G3YF-1RF/F7392 PROPELLER WITH C-4582(P) SPINNER

Or

HARTZELL (P)HC-C3YF-1RF/F7392 PROPELLER WITH A-2295-1(P) SPINNER

ON CESSNA R172K "HAWK XP" AIRCRAFT

6. Attach Hartzell Propeller Inc. Maintenance Manual Supplement HP-R172K-MMS to aircraft maintenance manuals for propeller continued airworthiness instructions.
7. Return aircraft to service with FAA Form 337 referencing STC.

Date _____