HARTZELL PROPELLER INC.

One Propeller Place
Piqua, Ohio 45356-2634 U.S.A.

HARTZELL

HPC310-1

October 6, 1997

INSTRUCTIONS FOR INSTALLATION OF HARTZELL HC-C2YF-2CUF/FC8468(B)-3 PROPELLERS; C-2285-4(P) SPINNERS AND A-2476-8 SPINNER MOUNTING KITS ON CESSNA 310 THROUGH E310H AIRCRAFT

LOG OF REVISIONS

Revision Number	Revised Pages	Description of Revision	Date

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

FAA Approved John M. Tallon FOR TDK Date NOV 25 1997

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SECTION 1: Aircraft which are **not equipped** with a propeller anti-ice system

1. Remove original propellers and spinners.

2. Install new propellers and spinners in accordance with Hartzell Owner's Manual number 115( ).

3. Install the following placard near the tachometer and the manifold pressure gauge:

   "DO NOT EXCEED 20" OF MANIFOLD PRESSURE BETWEEN 2100 AND 2250 RPM."

4. Remark the tachometer as follows:

   Cessna 310, 310A, 310B (O-470-M engine):

Red Arc	2100 to 2250 rpm
Green Arc	2250 to 2450 rpm
Red Radial	2600 rpm

   Cessna 310C through E310H (IO-470-D engine):

Red Arc	2100 to 2250 rpm
Green Arc	2250 to 2450 rpm
Red Radial	2625 rpm

5. Attach Hartzell Propeller Inc. Airplane Flight Manual Supplement HPC310-2 to existing Airplane Flight Manual.

FAA Approved [signature] FOR TDK [initials] Date NOV 25 1997

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6. Revise weight and balance records to show the removal of the original propeller and spinner and the addition of the following equipment at the same moment arms:

	Weight (pounds)
Propeller, Hartzell HC-C2YF-2CUF/FC8468-3	63.5 (each)
Spinner, Hartzell C-2285-4(P) with A-2476-8 spinner mounting kit	4.5 (each)

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

FAA Approved John M. Tallia FOR TDK Date NOV 25 1997

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INSTRUCTIONS FOR INSTALLATION OF HARTZELL HC-C2YF-2CUF/FC8468B-3 PROPELLERS, C-2285-4(P) SPINNERS, A-2476-8 SPINNER MOUNTING KITS AND A-2374-1 ANTI-ICE KIT ON CESSNA 310 THROUGH E310H AIRCRAFT

SECTION 2: Aircraft which **are equipped** with a propeller anti-ice system

1. Remove original propellers and spinners.

2. Install an A-2374-1 alcohol anti-ice kit on each propeller as shown in Hartzell drawing D-6838. Install new spinner bulkhead and new propellers (with blade boots installed) in accordance with Hartzell Owner's Manual number 115( ).

   NOTE: Adjustment of the travel tubes and slinger ring tubing is sometimes required during installation due to welding distortion and tolerance stack-up of these parts. Adjustment of the airframe-mounted alcohol supply tube will be required to allow transfer of alcohol to the slinger ring. Carefully bend the tubing to avoid kinking or collapsing the tube wall.

3. Install spinner domes and caps.

4. Install the following placard near the tachometer and the manifold pressure gauge:
   "DO NOT EXCEED 20" OF MANIFOLD PRESSURE BETWEEN 2100 AND 2250 RPM."

5. Remark the tachometer as follows:

   Cessna 310, 310A, 310B (O-470-M engine):

Red Arc	2100 to 2250 rpm
Green Arc	2250 to 2450 rpm
Red Radial	2600 rpm

   Cessna 310C through E310H (IO-470-D engine):

Red Arc	2100 to 2250 rpm
Green Arc	2250 to 2450 rpm
Red Radial	2625 rpm

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6. Attach Hartzell Propeller Inc. Airplane Flight Manual Supplement HPC310-2 to existing Airplane Flight Manual.

7. Revise weight and balance records to show the removal of the original propeller and spinner and the addition of the following equipment at the same moment arms:

	Weight (pounds)
Propeller, Hartzell HC-C2YF-2CUF/FC8468B-3 with A-2374-1 anti-ice kit	64.0 (each)
Spinner, Hartzell C-2285-4(P) with A-2476-8 spinner mounting kit	4.5 (each)

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

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