

HARTZELL PROPELLER INC.

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

HARTZELL

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DA40-MMS

March 13, 2003

MAINTENANCE MANUAL SUPPLEMENT
FOR
HARTZELL HC-C2YR-1BF/F7495S PROPELLER
AND A-2295(P) SPINNER
ON DIAMOND DA 40 AIRCRAFT

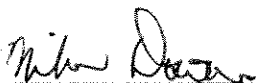
STC SA 01850CH

LOG OF REVISIONS

<u>Revision Number</u>	<u>Revised Pages</u>	<u>Description of Revision</u>	<u>Approved</u>	<u>Date</u>
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NOTE: All changes are indicated by a black vertical line along the left margin.

FAA Accepted



Date

MAY 15 2003

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Chapter 4 Airworthiness Limitations

There are no life-limited components used in the STC installation.

Chapter 5 Time limits / Maintenance checks

Recommended Time-Between-Overhaul (TBO) limits for the STC propeller may be found in Hartzell Service Letter 61.

Chapter 61 Propellers

Section 61-10

The STC propeller should be installed in accordance with STC Installation Instruction DA40-NST.

Maintenance and troubleshooting practices and procedures for the propeller are in Hartzell Manual 115 (Hartzell Owner's Manual) which is included with the propeller. The DA 40 propeller model is HC-C2YR-1BF/F7495S. Use the removal and installation procedures designated for "K" and "R" flange propellers.

The propeller blades must be shot peened between blade stations 6.0 and 25.0 on both face and camber sides. Blades having damage to the shot peened areas exceeding 0.015 inches deep must be removed from service and the reworked area shot peened before further flight. NOTE: For leading and trailing edge damage, a 0.250 inch deep rework limit applies before shot peening is required. Reference: Hartzell Manual 115 (Owner's Manual) for additional propeller service information.

Propeller overhaul must be accomplished by an approved Propeller Repair Station.

Section 61-20 - No Change

Chapter 71 Powerplant - No Change

Date

MAY 15 2003

