

ICA_102706

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS
FOR
HARTZELL HC-C2YR-1BFP/F7497 or HC-C2YR-1N/N7605 PROPELLER
AND A-2295(P) SPINNER
ON DIAMOND DA 40 AIRCRAFT

STC SA02476CH-D

LOG OF REVISIONS

Revision	Revised Pages	Description of Revision	Approved	Date

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

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October 27, 2006

Introduction

The subject STC approves installation of either a Hartzell aluminum two-blade propeller or composite two-blade propeller on the Diamond DA 40 equipped with or without a Power Flow Exhaust System (STC SA 003281AT). A description of propeller construction and function may be found in the following applicable Hartzell Owner's manuals supplied with each STC kit:

HC-C2YR-1BFP/F7497 – Manual 115N "Compact" Models with Aluminum Blades

HC-C2YR-1N/N7605 – Manual 145 "Compact" Models with Composite Blades

Chapter 4 Airworthiness Limitations

NOTE: The Airworthiness Limitations section is FAA approved and specifies maintenance required under Secs. 43.16 and 91.403 of the Federal Aviation Regulations unless an alternative program has been FAA approved.

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 propellers 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 INST_102706. Standard maintenance, removal and installation of the propeller should be accomplished in accordance with the applicable Hartzell Owner's Manual and in conjunction with the latest-approved revision of the Diamond DA 40 Maintenance Manual.

Maintenance and troubleshooting practices and procedures for the propeller are in the applicable Hartzell Owner's Manual designated above. Use the removal and installation procedures designated for "K" and "R" flange propellers.

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

Section 61-20 - No Change

Chapter 71 Powerplant - No Change