



United States of America
Department of Transportation
Federal Aviation Administration

Supplemental Type Certificate

Number: SE10076SC

This certificate issued to: Hartzell Engine Technologies LLC
2900 Selma Highway
Montgomery, AL 36108

certifies that the change in the type design for the following product with the limitations and conditions therefore as specified hereon meets the airworthiness requirements of Part 13 of the Civil Air Regulations.

Original Product – Type Certificate Number: (See attached FAA Approved Model Make: List (AML) for list of approved
Model: models and applicable
airworthiness regulations)

Description of Type Design Change:

Modify engine by installation off C12ST2/S starter in accordance with Sky-Tec Drawing No. 71200 Revision I.R., dated 7-2-02, or later FAA approved revision.

Limitations and Conditions:

If the holder agrees to permit another person to use this certificate to alter a product, the holder must give the other person written evidence of that permission.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, and revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of Application: May 19, 2002
Date of Issuance: October 03, 2002

Date Reissued: November 09, 2016; December 13, 2016
Date Amended: April 25, 2005 Revision 1

By Direction of the Administrator

Signature _____

Title James A. Grigg

Acting Manager, Fort Worth Aircraft Certification Office,
Southwest Region

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both. This certificate may be transferred or made available to third persons by licensing agreements in accordance with 14 CFR 21.47. Possession of this Supplemental Type Certificate (STC) document by persons other than the STC holder does not constitute rights to the design data nor to alter an aircraft, aircraft engine, or propeller. The STC's supporting documentation (drawings, instructions, specifications, flight manual supplements, etc.) is the property of the STC holder. An STC holder who allows a person to use the STC to alter an aircraft, aircraft engine, or propeller must provide that person with written permission acceptable to the FAA. (Ref. 14 CFR 21.120).



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Supplemental Type Certificate
 (Continuation Sheet)

Number: SE10076SC

Date of Issuance: October 03, 2002
 Date Amended: April 25, 2005
 Date of Reissuance: December 13, 2016

FAA APPROVED MODEL LIST (AML)

SE10076SC

Hartzell Engine Technologies LLC
 2900 Selma Highway
 Montgomery, AL 36108

Date of issuance: October 3, 2002
 Date amended: April 25, 2005
 Date of reissuance: December 13, 2016

Item	Aircraft Make	Aircraft Model	Original Type Certificate Number	Regulation/Part
1	Teledyne Continental Motors	C75-12, C85-12	E-233	CAR 13
2	Teledyne Continental Motors	C90-12, C90-14, C90-16, O200-A	E-252	CAR 13
3	Teledyne Continental Motors	C145 O300-A, O300-B, O300-C	E-253	CAR 13
4	Teledyne Continental Motors	GO300-A	E298	CAR 13
5	Teledyne Continental Motors	A-65-12	E205	CAR 13

FAA Approved: _____

James A. Grigg
 James A. Grigg
 Acting Manager, Fort Worth Aircraft Certification Office,
 Southwest Region

Date: December 13, 2016

-END-

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DRAWING NO. 71200

Revision: I.R.

Date: 07-02-02

Title: MASTER DRAWING, Engine Alteration for "switch-type"
Starter

ELIGIBILITY:

Per Approved Model List (AML) for STC # SE10076SC

DRAWING LIST:

<u>Drawing #</u>	<u>Revision</u>	<u>Date</u>	<u>Title</u>
70065	-	2-11-02	Cardboard template detail

ALTERATION PROCEDURE:

1. Remove existing starter.
2. Insert a template of cardboard or heavy construction paper dimensioned per drawing 70065 through starter mounting hole and position it against case housing. Seal around edges of template with modeling clay such as Crayola brand "Model Magic" or similar commercial product, or heavy grease such as wheel bearing grease to temporarily block contaminants from entering crankcase.
3. Cut off pinion shaft as shown on Figures 1A through 1F using a die grinder or high-speed motor with cut-off wheel.
4. Remove cardboard, grease, and metal filings from starter mount opening. Clean out accessory housing to ensure crankcase is free from contaminants.
5. Install Sky-Tec FAA-PMA starter model # C12ST2/S or C12ST2/SR as eligible per PMA identification.
6. Complete FAA form 337 and record alteration in engine logbook.

NOTE 1: Airframe alteration per FAA approved data is required for installation of this engine on airplane.

NOTE 2: Alternate configuration: Omit installation of starter pinion shaft p/n 23487 at engine overhaul.

DRAWING NO. 71200

Revision: I.R.

Date: 07-02-02

Title: MASTER DRAWING, Engine Alteration for "switch-type" Starter

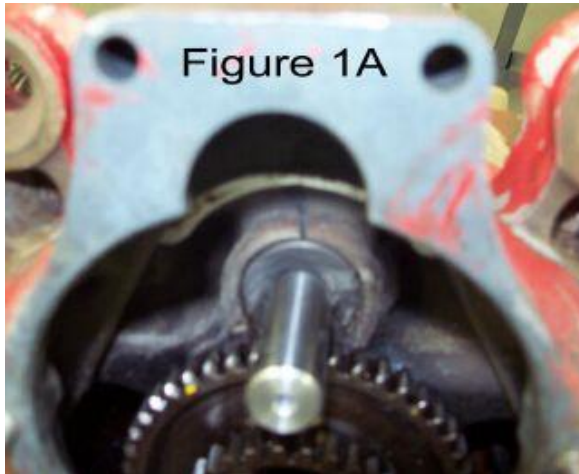


Figure 1A

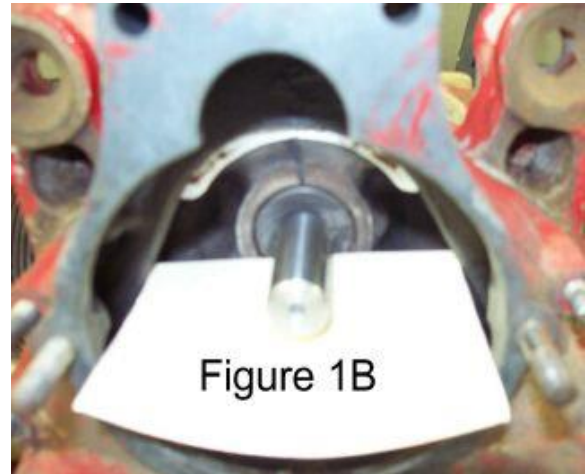


Figure 1B

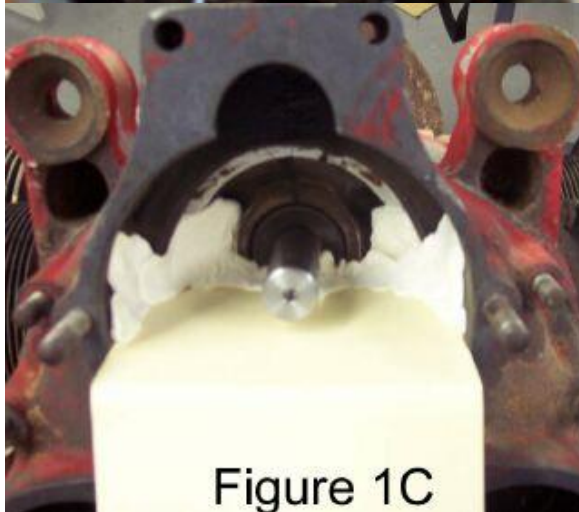


Figure 1C

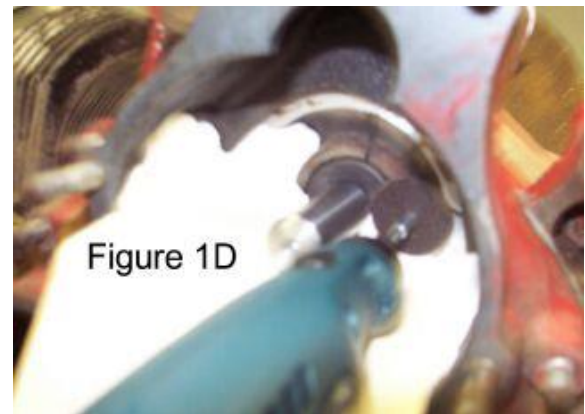


Figure 1D

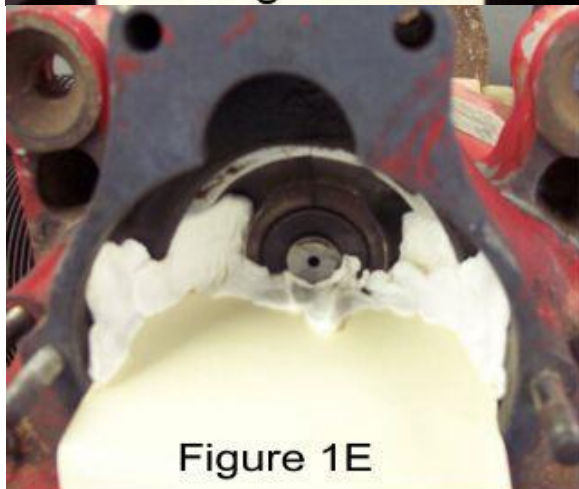


Figure 1E



Figure 1F