



United States of America
Department of Transportation
Federal Aviation Administration

Supplemental Type Certificate

Number: SE00357NY

This certificate issued to: Hartzell Engine Technologies LLC
2900 Selma Hwy
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 33 of the Federal Aviation Regulations

Original Product – Type Certificate Number: See Page 3, Make: Textron Lycoming
Lycoming Engine Models Model: See Page 3, Lycoming Engine Models

Description of Type Design Change:

Configuration I

Replacement of Lycoming starter with SKY-TEC 24-volt permanent magnet Starter Model 149-24PM, installed in accordance with SKY-TEC DWG. 20101 Rev. B.

Configuration II

Replacement of Lycoming starter with SKY-TEC 24-volt Starter Model 122-24PM installed in accordance with SKY-TEC DWG 20101 Rev. B.

Configuration III

Replacement of Lycoming starter with SKY-TEC 24-volt Starter Model 122-24LS installed in accordance with SKY-TEC DWG 20130 Rev. C.

Configuration IV

Replacement of Lycoming starter with SKY-TEC 24-volt Starter Model 149-24LS in accordance with SKY-TEC DWG 20130 Rev. C.

Limitations and Conditions:

(See continuation sheet 3 of 3)

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: April 7, 1995
Date of Issuance: August 10, 1995

Date Reissued: 9/13/95; 1/14/97; 2/11/16; 3/9/16
Date Amended: May 23, 1996

By Direction of the Administrator

Signature _____

Title John Hardie
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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INSTRUCTIONS: The transfer endorsement below may be used to notify the appropriate FAA Aircraft Certification Office of the transfer of this Supplemental Type Certificate. The FAA will reissue the certificate in the name of the transferee and forward it to him.

Transfer Endorsement

Transfer the ownership of Supplemental Type Certificate Number: SE00357NY

To (Name and address of transferee)

From (Name and address of grantor)

Extent of Authority (if licensing agreement):

Date of transfer:

Signature of grantor: _____

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Supplemental Type Certificate

(Continuation Sheet)

Number: SE00357NY

Date of Issuance: August 10, 1995

Date Amended: May 23, 1996

Date of Reissuance: March 9, 2016

Models (Continued):

Lycoming Engine Models

TC E-286: O-360 Series

TC E-26EA: TO-360 Series

TC 1E10: IO-360 Series; All Models except L10, LH10

TC 1E12: IO-320 Series; All Models except L10-320 Series

TC E-274: O-320 Series

TC E-233: O-235 Series

TC E-229: O-290 Series

TC E-295: O-540 Series

TC 1E4: IO-540 Series; All Models except L10, LH10

TC E11EA: TIO-541 Series

Limitations and Conditions (Continued):

1. This approval is limited to aircraft with a 24-volt DC Source available to the starter.
2. Configuration I and IV are limited to SKY-TEC Starter Model 149-24PM used with a 149-Tooth engine ring gear and starter drive ratio of 13.55:1 and Configuration II and III are limited to SKY-TEC starter model 122-24PM used with a 122-Tooth engine ring gear and starter drive ratio of 14.9:1.
3. The installer must determine whether this design change is compatible with previously approved modifications. 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.

-END-

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