

United States of America
Department of Transportation — Federal Aviation Administration
Supplemental Type Certificate

Number SE1081NE

This certificate, issued to
Staples Holdings, Ltd.
433 Plainview
Hurst, Texas 76054

*certifies that the change in the type design for the following product with the limitations and conditions
therefor as specified hereon meets the airworthiness requirements of Part 33 of the Federal Aviation
Regulations.*

Original Product — Type Certificate Number: See Page 2, Lycoming Engine Models
Make: Textron Lycoming
Model: See Page 2, Lycoming Engine Models

Description of Type Design Change:

Configuration I
Replacement of Lycoming starter with SKY-TEC 12-volt Starter Model 149-12HT,
installed in accordance with SKY-TEC DWG. 10122 Rev. D.

Configuration II
Replacement of Lycoming starter with SKY-TEC 12-volt Starter Model 122-12HT,
installed in accordance with SKY-TEC DWG 10158 No Rev. and 10122 Rev D.

Limitations and Conditions:

- 1) This approval is limited to aircraft with a 12-volt DC Source available to the starter.
- 2) Configuration I is limited to SKY-TEC Starter Model 149-12HT used with a 149-Tooth engine ring gear and starter drive ratio of 13.55:1 and Configuration II is limited to SKY-TEC starter model 122-12HT used with a 122-Tooth engine ring gear and starter drive ratio of 13.55:1.

(See Continuation Sheet Page 2)

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

Date of application: January 6, 1993

Date issued: 1/14/97

Date of issuance: March 31, 1993

Date amended: 7/27/93, 3/30/94, 6/17/94
10/4/94, 2/6/95, 5/23/96



By direction of the Administrator

Anthony Socias

Anthony Socias (Signature)
Manager, Airframe and
Propulsion Branch

(Title)

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 in accordance with FAR 21.47.

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Supplemental Type Certificate
(Continuation Sheet)

Number

SE1081NE

Date Reissued: January 14, 1997

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: T10-541 Series

Limitations and Conditions (Cont.):

3. This approval should not be incorporated in any engine on these specific models on which other approved modifications are incorporated, unless it is determined that the interrelationship between this change and any of those previously incorporated approved modifications will not introduce any adverse effect upon the airworthiness of the engine.

...END...

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FAA FORM 8110-2-1 (10-88)

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