

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

Number SE2741NM

This certificate, issued to

Firewall Forward, Inc.
5212 Cessna Drive
Loveland, CO 80538

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 13 of the Civil Air Regulations.

Original Product Type Certificate Number: 1E10

Make: Lycoming

Model: IO-360-A3B6D, IO-360-A1B6D, IO-360-A1B6,
IO-360-A3B6

Description of the Type Design Change:

Installation of high compression pistons, connecting rods, bearings and associated hardware in accordance with the FAA approved Firewall Forward, Inc., "Horsepower Plus" Report No. ATI 082386, Appendices B, C, and D, dated August 23, 1986, or later FAA approved revisions.

Limitations and Conditions:

1. Installer must determine compatibility of this design change with previously approved modifications.
2. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

(See Continuation Sheet, Page 3 of 3 pages.)

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

Date of application: June 13, 1985

Date reissued:

Date of issuance: March 21, 1986

Date amended: 5/1/88; 6/22/93; September 7,
2005



By direction of the Administrator

Melissa Sandow

Melissa Sandow (Signature)
Small Airplane Program Manager
Northwest Mountain Region
Denver Aircraft Certification Office

(Title)

United States of America
Department of Transportation—Federal Aviation Administration
Supplemental Type Certificate
(Continuation Sheet)

Number **SE2741NM**

Date of Issuance: 3/21/86
Date Amended: 5/1/88; 6/22/93; 8/30/05

LIMITATIONS AND CONDITIONS:

1. Maximum continuous horsepower: 200 (to be limited by reducing manifold pressure). Maximum continuous R.P.M.: 2700.
2. Modified engine must have the engine data plate stamped with the letters "FF" following the basic model designation.
3. Modified IO-360-A3B6D or IO-360-A3B6 engine must be used with McCauley Propeller Model B2D34C214/90DHB-16E. Diameter limits: 74 inches maximum, 73 inches minimum.
4. Modified IO-360-A1B6D and IO-360-A1B6 engines must be used with McCauley Propeller Models B2D34C206/78TA or B2D34C207/78TCA. Diameter limits: 78 inches maximum, 76.5 inches minimum.

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