

United States of America
Department of Transportation - Federal Aviation Administration

Supplemental Type Certificate

Number: SE7582SW

This certificate issued to Superior Air Parts, Inc.
621 South Royal Lane
Coppell, TX 75019

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

Make : Model List (AML) for list of Lycoming Engines approved models

Model : Applicable airworthiness regulations]

Description of Type Design Change: Grinding of high compression NITRIDED Cylinders to .010 oversize, as an alternative to chrome plating or rebarreling, and the installation of SL10207 P10 Piston, SL74241 P10 Top and second compression ring, and SL 73857 P10 oil control ring in accordance with Superior Air Parts, Inc., Service letter No. L89-04 D dated August 20, 2008 or later FAA approved revision.

Limitations and Conditions: 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 the product, the holder shall 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, revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: August 15, 1988

Date reissued:

Date of issuance: April 11, 1989

Date amended:

September 9, 2008, Rev. 1; July 30, 2013,
Rev. 2



By direction of the Administrator

(Signature)

S. Frances Cox
Manager, Special Certification Office
Southwest Region

(Title)

INSTRUCTIONS: The transfer endorsement below may be used to notify the appropriate FAA Regional Office of the transfer of the 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 _____

to *(Name of transferee)* _____

(Address of transferee) _____
(Number and street)

(City, State, and ZIP code)

from *(Name of grantor)(Print or type)* _____

(Address of grantor) _____
(Number and street)

(City, State, and ZIP code)

Extent of Authority (if licensing agreement): _____

Date of Transfer: _____

Signature of grantor *(In ink)*: _____

FAA APPROVED MODEL LIST (AML)

STC No. SE7582SW

Superior Air Parts, Inc.
621 South Royal Lane
Coppell, TX 75019

Date amended: September 8, 2008 Rev. 1; July 30, 2013, Rev. 2

Item	Engine Make	Engine Models	Original Type Certificate Number	Regulation/Part
1	IO-360	-A1A, -A1B, -A1B6, -A1B6D, -A1C, -A1D, -A1D6, -A1D6D, -A2A, -A2B, -A2C, -A3B6, -A3B6D, -A3D6D, -C1A, -C1B, -C1C, -C1C6, -C1D6, -C1E6, -C1E6D, -C1F, -C1G6, -D1A, -J1AD, -J1A6D, -K2A	1E10	CAR 13
2	AIO-360	-A1A, -A1B, -A2A, -A2B, -B1B	1E10	CAR 13
3	AEIO-360	-C1E6	1E10	CAR 13
4	HIO-360	-A1A, -A1B, -C1A, -C1B	1E10	CAR 13
5	LHIO-360	-C1A, -C1B	1E10	CAR 13
6	GO-480	-C1B6, -C1D6, -C2C6, -C2D6, -C2E6, -G1A6, -G1B6, -G1D6, -G1H6, -G1J6, -G2D6, -G2F6	E275	CAR 13
7	IGO-480	-A1A6, -A1B6	E275	CAR 13
8	IO-540	-A1A5, -B1A5, -B1B5, -B1C5, -E1A5, -E1B5, -E1C5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -K1A5, -K1A5D, -K1B5, -K1B5D, -K1C5, -K1D5, -K1E5, -K1E5D, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1H5, -K1J5, -K1J5D, -K1K5, -K2A5, -L1A5, -L1A5D, -L1B5D, -L1C5, -M1A5, -M1A5D, -M1B5D, -M1C5, -M2A5D, -P1A5, -S1A5, -U1A5D, -U1B5D, -AC1A5, -AE1A5	1E4	CAR 13
9	HIO-540	-A1A	1E4	CAR 13
10	AEIO-540	-L1B5, -L1B5D, -L1D5	1E4	CAR 13
11	IGO-540	-A1A, -A1B, -A1C, -B1A, -B1A, -B1B, -B1C	1E11	CAR 13
12	VO-540	-C1A, -C1B, -C1C3, -C2A, -C2B, -C2C	E-304	CAR 13
13	IVO-540	-A1A	E11EA	CAR 13
14	IO-720	-A1A, -A1B, -A1BD, -B1A, -B1B, -B1BD, -C1B, -C1BD, -D1B, -D1BD, -D1C, -D1CD	1E15	CAR 13

FAA Approved: _____

S. Frances Cox
Manager, Special Certification Office,
Southwest Region

Date: _____