



U.S. Department
of Transportation
**Federal Aviation
Administration**

Southwest Region
Arkansas, Louisiana,
New Mexico, Oklahoma,
Texas

Manufacturing Inspection District Office
2601 Meacham Blvd., SW MIDO-42
Fort Worth, Texas 76137

April 11, 2011

Superior Air Parts, Inc.
621 S. Royal Lane, Suite 100
Coppell, Texas 75019

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

In accordance with the provisions of Title 14, Code of Federal Regulations (14 CFR), Part 21, Certification Procedures for Products and Parts, subpart K, the Federal Aviation Administration (FAA) has found that the design data, based on Test and Computations submitted by Superior Air Parts, Inc., with your letters dated March 14, 2011 (FAAL-1394) and March 21, 2011 (FAAL-1420) meet the airworthiness requirements of the regulations applicable to the products on which the parts are to be installed. Additionally, the FAA has determined that Superior Air Parts, Inc., has established the fabrication inspection system required by § 21.303(h) at 621 S. Royal Lane, Suite 100, Coppell, Texas, 75019.

Accordingly, Parts Manufacturer Approval (PMA) is hereby granted for production of the replacement parts listed in the enclosed Supplement No. 71, revision 2. Supplement No. 71, revision 2, dated April 4, 2011, updates Supplement No. 71, revision 1, dated July 12, 1975. The purpose of the revision is to include over-sized and under-sized parts, not previously listed on Supplement No. 71, revision 1. Supplement No. 71, revision 1, remains in effect.

You are reminded that the provisions of 14 CFR, Parts 21 and 45, noted in our PMA letter of approval dated March 30, 2006, also apply to the enclosed PMA Listing-Supplement No. 71, revision 2. The enclosed supplement should be retained with the original PMA letter as evidence of approval to produce the parts concerned.

Sincerely,

A handwritten signature in blue ink that reads "Carlton N. Cochran".

Carlton N. Cochran
Manager, Fort Worth Manufacturing Inspection District Office
SW MIDO-42

Enclosure
PMA Supplement No. 71, revision 2



U.S. Department
of Transportation

**Federal Aviation
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FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

SUPERIOR AIR PARTS, INC.
621 S. Royal Lane, Suite # 100
Coppell, TX 75019-3805

PMA NO. _____ PQ0060SW
SUPPLEMENT NO. _____ 71
REVISION. _____ 2
DATE _____ April 4, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
VP3N Main Bearing Front	SA641992	641992	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SA641992, <u>Rev:</u> C Date: 10/26/2005 or later FAA approved revisions	Continental	IO-360-AB, -CB, -DB, -GB, -HB, -JB, -KB LTSIO-360-EB, -KB TSIO-360- AB, -CB, -DB, -EB, -FB, -GB, -HB, -JB, -KB, -LB, -MB
VP3N Main Bearing Front	SA641992 M05	641992 M05	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SA641992, <u>Rev:</u> C Date: 10/26/2005 or later FAA approved revisions	Continental	IO-360-AB, -CB, -DB, -GB, -HB, -JB, -KB LTSIO-360-EB, -KB TSIO-360- AB, -CB, -DB, -EB, -FB, -GB, -HB, -JB, -KB, -LB, -MB
VP3N Main Bearing Front	SA641992 M10	641992 M10	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SA641992, <u>Rev:</u> C Date: 10/26/2005 or later FAA approved revisions	Continental	IO-360-AB, -CB, -DB, -GB, -HB, -JB, -KB LTSIO-360-EB, -KB TSIO-360- AB, -CB, -DB, -EB, -FB, -GB, -HB, -JB, -KB, -LB, -MB
Bearing, Rod, Connecting -Up/Low	SA642338	642338	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SA642338, <u>Rev:</u> E Date: 10/26/2005 or later FAA approved revisions	Continental	IO-360-AB, -CB, -DB, -GB, -HB, -JB, -KB LTSIO-360-EB, -KB TSIO-360- AB, -CB, -DB, -EB, -FB, -GB, -HB, -JB, -KB, -LB, -MB
Bearing, Rod, Connecting -Up/Low	SA642338 M05	642338 M05	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SA642338, <u>Rev:</u> E Date: 10/26/2005 or later FAA approved revisions	Continental	IO-360-AB, -CB, -DB, -GB, -HB, -JB, -KB LTSIO-360-EB, -KB TSIO-360- AB, -CB, -DB, -EB, -FB, -GB, -HB, -JB, -KB, -LB, -MB

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PMA NO. _____ PQ0060SW
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DATE _____ April 4, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Bearing, Rod, Connecting -Up/Low	SA642338 M10	642338 M10	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SA642338, <u>Rev:</u> E <u>Date:</u> 10/26/2005 or later FAA approved revisions	Continental	IO-360-AB, -CB, -DB, -GB, -HB, -JB, -KB LTSIO-360-EB, -KB TSIO-360- AB, -CB, -DB, -EB, -FB, -GB, -HB, -JB, -KB, -LB, -MB
Pin, Crankshaft	SA643626 -101	643626-101	Test and Computation per 14CFR § 21.303, <u>DWG NO:</u> SA643626, <u>REV:</u> D <u>DATE:</u> 5/30/2008 or later FAA-approved revisions	Continental	IO-470-C O-470-U IO-470-D, -E, -F, -G, -H, -J, -K, -L, -M, -N, -P, -R, -S, -U, -V TSIO-520-AE, -BE, -CE IO-550-A, -B, -C, -D, -E, -F, -G, -L TSIOL-550-A
Pin, Crankshaft	SA643626 -102	643626-102	Test and Computation per 14CFR § 21.303, <u>DWG NO:</u> SA643626, <u>REV:</u> D <u>DATE:</u> 5/30/2008 or later FAA-approved revisions	Continental	IO-470-C O-470-U IO-470-D, -E, -F, -G, -H, -J, -K, -L, -M, -N, -P, -R, -S, -U, -V TSIO-520-AE, -BE, -CE IO-550-A, -B, -C, -D, -E, -F, -G, -L TSIOL-550-A
Pin, Crankshaft	SA643626 -103	643626-103	Test and Computation per 14CFR § 21.303, <u>DWG NO:</u> SA643626, <u>REV:</u> D <u>DATE:</u> 5/30/2008 or later FAA-approved revisions	Continental	IO-470-C O-470-U IO-470-D, -E, -F, -G, -H, -J, -K, -L, -M, -N, -P, -R, -S, -U, -V TSIO-520-AE, -BE, -CE IO-550-A, -B, -C, -D, -E, -F, -G, -L TSIOL-550-A
Pin, Crankshaft	SA643626 -104	643626-104	Test and Computation per 14CFR § 21.303, <u>DWG NO:</u> SA643626, <u>REV:</u> D <u>DATE:</u> 5/30/2008 or later FAA-approved revisions	Continental	IO-470-C O-470-U IO-470-D, -E, -F, -G, -H, -J, -K, -L, -M, -N, -P, -R, -S, -U, -V TSIO-520-AE, -BE, -CE IO-550-A, -B, -C, -D, -E, -F, -G, -L TSIOL-550-A
Pin, Crankshaft	SA643626 -105	643626-105	Test and Computation per 14CFR § 21.303, <u>DWG NO:</u> SA643626, <u>REV:</u> D <u>DATE:</u> 5/30/2008 or later FAA-approved revisions	Continental	IO-470-C O-470-U IO-470-D, -E, -F, -G, -H, -J, -K, -L, -M, -N, -P, -R, -S, -U, -V TSIO-520-AE, -BE, -CE IO-550-A, -B, -C, -D, -E, -F, -G, -L TSIOL-550-A

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SUPERIOR AIR PARTS, INC.
621 S. Royal Lane, Suite # 100
Coppell, TX 75019-3805

PMA NO. _____ PQ0060SW
SUPPLEMENT NO. _____ 71
REVISION _____ 2
DATE _____ April 4, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Pin, Crankshaft	SA643626 -106	643626-106	Test and Computation per 14CFR § 21.303, <u>DWG NO:</u> SA643626, <u>REV:</u> D, <u>DATE:</u> 5/30/2008 or later FAA-approved revisions	Continental	IO-470-C O-470-U IO-470-D, -E, -F, -G, -H, -J, -K, -L, -M, -N, -P, -R, -S, -U, -V TSIO-520-AE, -BE, -CE IO-550-A, -B, -C, -D, -E, -F, -G, -L TSIOL-550-A

-----End of Listing-----

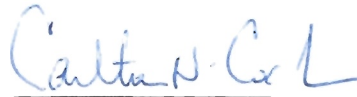
NOTE:

- 1) Provide minor design changes in a manner as determined by the ACO. Handle major design changes to drawings and specifications in the same manner as that for an original FAA-PMA.
- 2) The FAA approved ICA for the above parts with their designs. These ICA may refer to those of the respective parts from the holders of type certificates. Otherwise, provide supplemental ICA for differences in the replacement parts. Make referral statements or supplemental ICA readily available per 14 CFR 21.50.
- 3) Supplement 71, revision 2, dated April 4, 2011, updates Supplement 71, revision 1, dated July 12, 1995. The purpose of the revision is to include over-sized and under-sized parts, not previously listed on Supplement 71, revision 1. Supplement 71, revision 1 remains in affect.



S. Frances Cox
Manager, Special Aircraft Certification Office
ASW-190

for
APR 18, 2011



Carlton N. Cochran
Manager, Fort Worth Manufacturing Inspection District Office
SW MIDO-42