



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

March 25, 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 Computation, submitted by Superior Air Parts, Inc., with your letter dated March 9, 2011, meets 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. 51, revision 2 dated March 21, 2011. Supplement No. 51, revision 2, dated March 22, 2011, updates Supplement No. 51, revision 1, dated September 28, 1993. The purpose of the revision is to include over-sized and under-sized parts, not previously listed on Supplement No. 51, revision 1. Supplement No. 51, 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. 51, revision 2. The enclosed supplement should be retained with the original PMA letter as evidence of approval to produce the parts concerned.

Sincerely,

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

Enclosure
PMA Listing-Supplement No. 51, revision 2



U.S. Department
of Transportation

**Federal Aviation
Administration**

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. 51
REVISION 2
DATE March 21, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Bushing, Damper, Crankshaft Counter Weight	SA531015	531015	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SA531015, <u>Rev:</u> A <u>Date:</u> 06/03/2004 or later FAA-approved revisions	Continental	C-145-2, -2H O-300-A, -E
Bushing, Damper, Crankshaft Counter Weight	SA531015P 003	531015 P03	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SA531015, <u>Rev:</u> A <u>Date:</u> 06/03/2004 or later FAA-approved revisions	Continental	C-145-2, -2H O-300-A, -E
Bushing, Damper, Crankshaft Counter Weight	SA531015P 005	531015 P05	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SA531015, <u>Rev:</u> A <u>Date:</u> 06/03/2004 or later FAA-approved revisions	Continental	C-145-2, -2H O-300-A, -E
Bushing, Damper, Crankshaft Counter Weight	SA626564	626564	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SA626564, <u>Rev:</u> A <u>Date:</u> 04/03/1985 or later FAA-approved revisions	Continental	GO-300-A, -C, -D, -E
Bushing, Damper, Crankshaft Counter Weight	SA626564 P0015	626564 P015	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SA626564, <u>Rev:</u> A <u>Date:</u> 04/03/1985 or later FAA-approved revisions	Continental	GO-300-A, -C, -D, -E
Bushing, Damper, Crankshaft Counter Weight	SA626564 P003	626564 P03	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SA626564, <u>Rev:</u> A <u>Date:</u> 04/03/1985 or later FAA-approved revisions	Continental	GO-300-A, -C, -D, -E

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Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Bushing, Damper, Crankshaft Counter Weight	SA626564 P005	626564 P05	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SA626564, <u>Rev:</u> A <u>Date:</u> 04/03/1985 or later FAA-approved revisions	Continental	GO-300-A, -C, -D, -E
Bushing, Damper, Crankshaft Counter Weight	SA626566	626566	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SA626566, <u>Rev:</u> A <u>Date:</u> 04/03/1985 or later FAA-approved revisions	Continental	GO-300-A, -C, -D, -E
Bushing, Damper, Crankshaft Counter Weight	SA626566 P0015	626566 P015	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SA626566, <u>Rev:</u> A <u>Date:</u> 04/03/1985 or later FAA-approved revisions	Continental	GO-300-A, -C, -D, -E
Bushing, Damper, Crankshaft Counter Weight	SA626566 P003	626566 P03	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SA626566, <u>Rev:</u> A <u>Date:</u> 04/03/1985 or later FAA-approved revisions	Continental	GO-300-A, -C, -D, -E
Bushing, Damper, Crankshaft Counter Weight	SA626566 P005	626566 P05	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SA626566, <u>Rev:</u> A <u>Date:</u> 04/03/1985 or later FAA-approved revisions	Continental	GO-300-A, -C, -D, -E
Bushing, Damper, Crankshaft Counter Weight	SA 639198	639198	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SA639198, <u>Rev:</u> H <u>Date:</u> 07/03/2007 or later FAA-approved revisions	Continental	IO-360-A, -AB, -C, -CB, -D, -DB, -G, -GB, -H, -HB, -J, -JB, -K, -KB LTSIO-360-E, -EB, -KB TSIO-360-A, -AB, -B, -C, -CB, -D, -DB, -E, -EB, -F, -FB, -G, -GB, -H, -HB, -JB, -KB, -LB, -MB

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DATE March 21, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Bushing, Damper, Crankshaft Counter Weight	SA 639198-P0015	639198 P015	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SA639198, <u>Rev:</u> H <u>Date:</u> 07/03/2007 or later FAA-approved revisions	Continental	IO-360-A, -AB, -C, -CB, -D, -DB, -G, -GB, -H, -HB, -J, -JB, -K, -KB LTSIO-360-E, -EB, -KB TSIO-360-A, -AB, -B, -C, -CB, -D, -DB, -E, -EB, -F, -FB, -G, -GB, -H, -HB, -JB, -KB, -LB, -MB
Bushing, Damper, Crankshaft Counter Weight	SA 639198-P003	639198 P03	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SA639198, <u>Rev:</u> H <u>Date:</u> 07/03/2007 or later FAA-approved revisions	Continental	IO-360-A, -AB, -C, -CB, -D, -DB, -G, -GB, -H, -HB, -J, -JB, -K, -KB LTSIO-360-E, -EB, -KB TSIO-360-A, -AB, -B, -C, -CB, -D, -DB, -E, -EB, -F, -FB, -G, -GB, -H, -HB, -JB, -KB, -LB, -MB
Bushing, Damper, Crankshaft Counter Weight	SA 639198-P005	639198 P05	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SA639198, <u>Rev:</u> H <u>Date:</u> 07/03/2007 or later FAA-approved revisions	Continental	IO-360-A, -AB, -C, -CB, -D, -DB, -G, -GB, -H, -HB, -J, -JB, -K, -KB LTSIO-360-E, -EB, -KB TSIO-360-A, -AB, -B, -C, -CB, -D, -DB, -E, -EB, -F, -FB, -G, -GB, -H, -HB, -JB, -KB, -LB, -MB
Ring-Piston	SA639570	639570	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SA639570, <u>Rev:</u> V <u>Date:</u> 11/23/1999 or later FAA-approved revisions	Continental	IO-360-A, -AB, -C, -CB, -D, -DB, -G, -GB, -H, -HB, -J, -JB, -K, -KB LTSIO-360-E, -EB, -KB TSIO-360-A, -AB, -B, -C, -CB, -D, -DB, -E, -F, -FB, -G, -GB, -H, -HB, -JB, -KB, -LB, -MB
Ring-Piston	SA639570 P005	639570 P05	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SA639570, <u>Rev:</u> V <u>Date:</u> 11/23/1999 or later FAA-approved revisions	Continental	IO-360-A, -AB, -C, -CB, -D, -DB, -G, -GB, -H, -HB, -J, -JB, -K, -KB LTSIO-360-E, -EB, -KB TSIO-360-A, -AB, -B, -C, -CB, -D, -DB, -E, -F, -FB, -G, -GB, -H, -HB, -JB, -KB, -LB, -MB
Ring-Piston	SA639570 P015	639570 P15	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SA639570, <u>Rev:</u> V <u>Date:</u> 11/23/1999 or later FAA-approved revisions	Continental	IO-360-A, -AB, -C, -CB, -D, -DB, -G, -GB, -H, -HB, -J, -JB, -K, -KB LTSIO-360-E, -EB, -KB TSIO-360-A, -AB, -B, -C, -CB, -D, -DB, -E, -F, -FB, -G, -GB, -H, -HB, -JB, -KB, -LB, -MB
Ring-Piston	SA639579	639579	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SA639579, <u>Rev:</u> BD <u>Date:</u> 08/06/2000 or later FAA-approved revisions	Continental	IO-360-A, -AB, -C, -DB, -D, -DB, -G, -GB, -H, -HB, -J, -JB, -K, -KB LTSIO-360-E, -EB, -KB TSIO-360-A, -AB, -B, -C, -CB, -D, -DB, -E, -F, -FB, -G, -GB, -H, -HB, -JB, -KB, -LB, -MB

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

PMA NO. PQ0060SW
SUPPLEMENT NO. 51
REVISION 2
DATE March 21, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Ring-Piston	SA639579 P05	639579 P05	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SA639579, <u>Rev:</u> BD <u>Date:</u> 08/06/2000 or later FAA-approved revisions	Continental	IO-360-A, -AB, -C, -DB, -D, -DB, -G, -GB, -H, -HB, -J, -JB, -K, -KB LTSIO-360-E, -EB, -KB TSIO-360-A, -AB, -B, -C, -CB, -D, -DB, -E, -F, -FB, -G, -GB, -H, -HB, -JB, -KB, -LB, -MB
Ring-Piston	SA639579 P15	639579 P15	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SA639579, <u>Rev:</u> BD <u>Date:</u> 08/06/2000 or later FAA-approved revisions	Continental	IO-360-A, -AB, -C, -DB, -D, -DB, -G, -GB, -H, -HB, -J, -JB, -K, -KB LTSIO-360-E, -EB, -KB TSIO-360-A, -AB, -B, -C, -CB, -D, -DB, -E, -F, -FB, -G, -GB, -H, -HB, -JB, -KB, -LB, -MB
Bushing, Damper, Crankshaft Counter Weight	SA639580	639580	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SA639580, <u>Rev:</u> B <u>Date:</u> 01/10/1989 or later FAA-approved revisions	Continental	IO-360-A, -AB, -C, -CB, -D, -DB, -G, -GB, -H, -HB, -J, -JB, -K, -KB LTSIO-360-E, -EB, -KB TSIO-360-A, -AB, -B, -C, -CB, -D, -DB, -E, -F, -FB, -G, -GB, -H, -HB, -JB, -KB, -LB, -MB
Bushing, Damper, Crankshaft Counter Weight	SA639570 P0015	639580 P015	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SA639580, <u>Rev:</u> B <u>Date:</u> 01/10/1989 or later FAA-approved revisions	Continental	IO-360-A, -AB, -C, -CB, -D, -DB, -G, -GB, -H, -HB, -J, -JB, -K, -KB LTSIO-360-E, -EB, -KB TSIO-360-A, -AB, -B, -C, -CB, -D, -DB, -E, -F, -FB, -G, -GB, -H, -HB, -JB, -KB, -LB, -MB
Bushing, Damper, Crankshaft Counter Weight	SA639570 P003	639580 P03	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SA639580, <u>Rev:</u> B <u>Date:</u> 01/10/1989 or later FAA-approved revisions	Continental	IO-360-A, -AB, -C, -CB, -D, -DB, -G, -GB, -H, -HB, -J, -JB, -K, -KB LTSIO-360-E, -EB, -KB TSIO-360-A, -AB, -B, -C, -CB, -D, -DB, -E, -F, -FB, -G, -GB, -H, -HB, -JB, -KB, -LB, -MB

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SUPERIOR AIR PARTS, INC.
621 S. Royal Lane, Suite # 100
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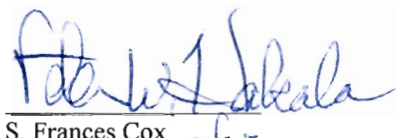
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Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Bushing, Damper, Crankshaft Counter Weight	SA639570 P005	639580 P05	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SA639580, <u>Rev:</u> B <u>Date:</u> 01/10/1989 or later FAA-approved revisions	Continental	IO-360-A, -AB, -C, -CB, -D, -DB, -G, -GB, -H, -HB, -J, -JB, -K, -KB LTSIO-360-E, -EB, -KB TSIO-360-A, -AB, -B, -C, -CB, -D, -DB, -E, -F, -FB, -G, -GB, -H, -HB, -JB, -KB, -LB, -MB

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

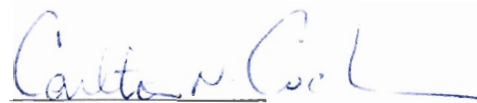
NOTE:

- 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 51, revision 2, dated March 21, 2011, updates Supplement 51, revision 1, dated September 28, 1993. The purpose of the revision is to include over-sized and under-sized parts, not previously listed on Supplement 51, revision 1. Supplement 51, revision 1, remains in effect.



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

MAR 24, 2011



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