



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

February 10, 2011

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

FEDERAL AVIATION ADMINISTRATION (FAA) - PARTS MANUFACTURER  
APPROVAL (PMA)

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 FAA has found that the design data, based on Test and Computation, submitted by Superior Air Parts, Inc., with your letter, dated January 4, 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. 14, revision 2 dated February 10, 2011. All previously issued revisions remain 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. 14, 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 Listing-Supplement No. 14, revision 2



U.S. Department  
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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.           14  
REVISION.                     2  
DATE:                     February 10, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Guide-Valve, Intake	SA21419	Teledyne Continental Part Number 21419	Test and Computations per 14 CFR, § 21.303, <u>DWG No:</u> SA21419 <u>Rev:</u> F <u>Date:</u> 08/20/1968 or later FAA-approved revisions.	CONTINENTAL	A-65 A75
Guide-Valve, Intake	SA21419+005	Teledyne Continental Part Number 21419 P05	Test and Computations per 14 CFR, § 21.303, <u>DWG No:</u> SA21419 <u>Rev:</u> F <u>Date:</u> 08/20/1968 or later FAA-approved revisions.	CONTINENTAL	A-65 A75
Guide-Valve, Intake	SA21419+010	Teledyne Continental Part Number 21419 P10	Test and Computations per 14 CFR, § 21.303, <u>DWG No:</u> SA21419 <u>Rev:</u> F <u>Date:</u> 08/20/1968 or later FAA-approved revisions.	CONTINENTAL	A-65 A75
Guide-Valve, Intake	SA21419+020	Teledyne Continental Part Number 21419 P20	Test and Computations per 14 CFR, § 21.303, <u>DWG No:</u> SA21419 <u>Rev:</u> F <u>Date:</u> 08/20/1968 or later FAA-approved revisions.	CONTINENTAL	A-65 A75
Main Bearing-Front & Left Sides	SA530516	Teledyne Continental Part Number 530516	Test and Computations per 14 CFR, § 21.303, <u>DWG No:</u> SA 530516 <u>Rev:</u> A <u>Date:</u> 7/8/05 or later FAA-approved revisions.	CONTINENTAL	O-300-B

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Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Main Bearing-Front & Left Sides	SA530516-010	Teledyne Continental Part Number 530516 P10	Test and Computations per 14 CFR, § 21.303, <u>DWG No:</u> SA 530516 <u>Rev:</u> A <u>Date:</u> 7/5/05 or later FAA-approved revisions.	CONTINENTAL	O-300-B
Camshaft	SA535661	Teledyne Continental Part Number 535661, 649475	Test and Computations per 14 CFR, § 21.303, <u>DWG No:</u> SA535661 <u>Rev:</u> A/Z <u>Date:</u> 12/4/04 or later FAA-approved revisions.	CONTINENTAL	IO-470-D, -E, -F, -G, -H, -J, -K, -L, -M, -N, -P, -R, -S, -U, -V, -VO IO-470-C O-470-A, -B, -E, -G, -J, -K, -L, -M, -P, -R, -S, -U  TSIO-470-B, -C, -D IO-520-A, -D, -E, -F, -J, -K, -L TSIO-520-AF, -C, -CE, -G, -H, -M, -P, -R, -T IO-550-D, -E, -F, -L
Camshaft	SA535661 P020	Teledyne Continental Part Number 535661 P20, 649475 P20	Test and Computations per 14 CFR, § 21.303, <u>DWG No:</u> SA535661 <u>Rev:</u> A/Z <u>Date:</u> 12/4/04 or later FAA-approved revisions.	CONTINENTAL	IO-470-D, -E, -F, -G, -H, -J, -K, -L, -M, -N, -P, -R, -S, -U, -V, -VO IO-470-C O-470-A, -B, -E, -G, -J, -K, -L, -M, -P, -R, -S, -U TSIO-470-B, -C, -D IO-520-A, -D, -E, -F, -J, -K, -L TSIO-520-AF, -C, -CE, -G, -H, -M, -P, -R, -T IO-550-D, -E, -F, -L
Bushing, Crankshaft Damper	SA628978	Teledyne Continental Part Number 628978	Test and Computations per 14 CFR, § 21.303, <u>DWG No:</u> SA 5628978 <u>Rev:</u> C <u>Date:</u> 2/27/90 or later FAA-approved revisions.	CONTINENTAL	GIO-470 GTSIO-520-C, -D, -F, -H, -L, -M, -N

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Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Bushing, Crankshaft Damper	SA628978 +003	Teledyne Continental Part Number 628978 P03	Test and Computations per 14 CFR, § 21.303, <u>DWG No:</u> SA 5628978 <u>Rev:</u> C <u>Date:</u> 2/27/90 or later FAA-approved revisions.	CONTINENTAL	GIO-470 GTSIO-520-C, -D, -F, -H, -L, -M, -N
Bearing, Main-Front Upper & Lower	SA629609	Teledyne Continental Part Number 629609	Test and Computations per 14 CFR, § 21.303, <u>DWG No:</u> SA 629609 <u>Rev:</u> G <u>Date:</u> 4/20/05 or later FAA-approved revisions	CONTINENTAL	O-300-A
Bearing, Main-Front Upper & Lower	SA629609 M010	Teledyne Continental Part Number 629609 M10	Test and Computations per 14 CFR, § 21.303, <u>DWG No:</u> SA 629609 <u>Rev:</u> G <u>Date:</u> 4/20/05 or later FAA-approved revisions	CONTINENTAL	O-300-A
Ring, Piston	SA630717	Teledyne Continental Part Number 630717	Test and Computations per 14 CFR, § 21.303, <u>DWG No:</u> SA 630717 <u>Rev:</u> N/C <u>Date:</u> 3/29/1969 or later FAA-approved revisions	CONTINENTAL	IO-360-A, -C, -D
Ring, Piston	SA630717 P005	Teledyne Continental Part Number 630717 P05	Test and Computations per 14 CFR, § 21.303, <u>DWG No:</u> SA 630717 <u>Rev:</u> N/C <u>Date:</u> 3/29/1969 or later FAA-approved revisions.	CONTINENTAL	IO-360-A, -C, -D
Ring, Piston	SA630717 P015	Teledyne Continental Part Number 630717 P15	Test and Computations per 14 CFR, § 21.303, <u>DWG No:</u> SA 630717 <u>Rev:</u> N/C <u>Date:</u> 3/29/1969 or later FAA-approved revisions.	CONTINENTAL	IO-360-A, -C, -D

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Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Ring, Piston	SA632156	Teledyne Continental Part Number 632156	Test and Computations per 14 CFR, § 21.303, <u>DWG No:</u> SA 632156 <u>Rev:</u> N/C <u>Date:</u> 4/02/1969 or later FAA-approved revisions.	CONTINENTAL	IO-360-A, -C, -D TSIO-360-A, -B
Ring, Piston	SA632156 P015	Teledyne Continental Part Number 632156 P15	Test and Computations per 14 CFR, § 21.303, <u>DWG No:</u> SA 632156 <u>Rev:</u> N/C <u>Date:</u> 4/02/1969 or later FAA-approved revisions.	CONTINENTAL	IO-360-A, -C, -D TSIO-360-A, -B
Ring, Piston	SA632157	Teledyne Continental Part Number 632157	Test and Computations per 14 CFR, § 21.303, <u>DWG No:</u> SA632157 <u>Rev:</u> N/C <u>Date:</u> 3/29/1969 or later FAA-approved revisions.	CONTINENTAL	IO-360-A, -C, -D TSIO-360-A, -B
Ring, Piston	SA632157 P005	Teledyne Continental Part Number 632157 P05	Test and Computations per 14 CFR, § 21.303, <u>DWG No:</u> SA632157 <u>Rev:</u> N/C <u>Date:</u> 3/29/1969 or later FAA-approved revisions.	CONTINENTAL	IO-360-A, -C, -D TSIO-360-A, -B
Ring, Piston	SA632157 P015	Teledyne Continental Part Number 632157 P15	Test and Computations per 14 CFR, § 21.303, <u>DWG No:</u> SA632157 <u>Rev:</u> N/C <u>Date:</u> 3/29/1969 or later FAA-approved revisions.	CONTINENTAL	IO-360-A, -C, -D TSIO-360-A, -B
Bearing-Crankshaft, Main	SA632857	Teledyne Continental Part Number 632857	Test and Computations per 14 CFR, § 21.303, <u>DWG No:</u> SA 632857 <u>Rev:</u> A <u>Date:</u> 2/20/1969 or later FAA-approved revisions.	CONTINENTAL	IO-360-C, -D

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Bearing-Crankshaft, Main	SA632857 M010	Teledyne Continental Part Number 632857 M10	Test and Computations per 14 CFR, § 21.303, <u>DWG No:</u> SA 632857 <u>Rev:</u> A <u>Date:</u> 2/20/1969 or later FAA-approved revisions.	CONTINENTAL	IO-360-C, -D
Ring, Piston	SA638110	Teledyne Continental Part Number 638110	Test and Computations per 14 CFR, § 21.303, <u>DWG No:</u> SA 638110 <u>Rev:</u> N/C <u>Date:</u> 4/02/1973 or later FAA-approved revisions.	CONTINENTAL	C90-8F, -12F, -14F, -16F O-200-A, -B GO-300-A, -B, -C, -D, -E, -F O-300-A, -B, -C, -D
Ring, Piston	SA638110 +005	Teledyne Continental Part Number 638110 P05	Test and Computations per 14 CFR, § 21.303, <u>DWG No:</u> SA 638110 <u>Rev:</u> N/C <u>Date:</u> 4/02/1973 or later FAA-approved revisions.	CONTINENTAL	C90-8F, -12F, -14F, -16F O-200-A, -B GO-300-A, -B, -C, -D, -E, -F O-300-A, -B, -C, -D
Ring, Piston	SA638110 +015	Teledyne Continental Part Number 638110 P15	Test and Computations per 14 CFR, § 21.303, <u>DWG No:</u> SA 638110 <u>Rev:</u> N/C <u>Date:</u> 4/02/1973 or later FAA-approved revisions.	CONTINENTAL	C90-8F, -12F, -14F, -16F O-200-A, -B GO-300-A, -B, -C, -D, -E, -F O-300-A, -B, -C, -D
Bushing, Crankshaft Damper Counter Weight	SA639204	Teledyne Continental Part Number 639204	Test and Computations per 14 CFR, § 21.303, <u>DWG No:</u> SA639204 <u>Rev:</u> A <u>Date:</u> 3/28/91 or later FAA-approved revision.	CONTINENTAL	O-470-B
Bushing, Crankshaft Damper Counter Weight	SA639204 -P003	Teledyne Continental Part Number 639204 P03	Test and Computations per 14 CFR, § 21.303, <u>DWG No:</u> SA639204 <u>Rev:</u> A <u>Date:</u> 3/28/91 or later FAA-approved revision.	CONTINENTAL	O-470-B

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Bushing, Crankshaft Damper Counter Weight	SA639204 -P005	Teledyne Continental Part Number 639204 P05	Test and Computations per 14 CFR, § 21.303, <u>DWG No:</u> SA639204 <u>Rev:</u> A <u>Date:</u> 3/28/91 or later FAA-approved revision.	CONTINENTAL	O-470-B
Ring, Piston	SA639565	Teledyne Continental Part Number 639565	Test and Computations per 14 CFR, § 21.303, <u>DWG No:</u> SA639565 <u>Rev:</u> A <u>Date:</u> 9/11/74 or later FAA-approved revisions.	CONTINENTAL	IO-470-D, -E, -F, -H, -L, -M, -N, -S, -U, -V TSIO-470-B, -C, -D
Ring, Piston	SA639565 P005	Teledyne Continental Part Number 639565 P05	Test and Computations per 14 CFR, § 21.303, <u>DWG No:</u> SA639565 <u>Rev:</u> A <u>Date:</u> 9/11/74 or later FAA-approved revisions.	CONTINENTAL	IO-470-D, -E, -F, -H, -L, -M, -N, -S, -U, -V TSIO-470-B, -C, -D
Ring, Piston	SA639565 P015	Teledyne Continental Part Number 639565 P15	Test and Computations per 14 CFR, § 21.303, <u>DWG No:</u> SA639565 <u>Rev:</u> A <u>Date:</u> 9/11/74 or later FAA-approved revisions.	CONTINENTAL	IO-470-D, -E, -F, -H, -L, -M, -N, -S, -U, -V TSIO-470-B, -C, -D
Ring, Piston	SA639569	Teledyne Continental Part Number 639569	Test and Computations per 14 CFR, § 21.303, <u>DWG No:</u> SA 639569 <u>Rev:</u> A <u>Date:</u> 9/11/74 or later FAA-approved revisions.	CONTINENTAL	IO-470-C IO-470-G, -P, -R, -T L/IO-470-A O-470-G

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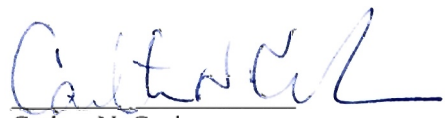
Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Ring, Piston	SA639569 +005	Teledyne Continental Part Number 639569 P05	Test and Computations per 14 CFR, § 21.303, <u>DWG No:</u> SA 639569 <u>Rev:</u> A <u>Date:</u> 9/11/74 or later FAA-approved revisions.	CONTINENTAL	IO-470-C IO-470-G, -P, -R, -T L/IO-470-A O-470-G
Ring, Piston	SA639569 +015	Teledyne Continental Part Number 639569 P15	Test and Computations per 14 CFR, § 21.303, <u>DWG No:</u> SA 639569 <u>Rev:</u> A <u>Date:</u> 9/11/74 or later FAA-approved revisions.	CONTINENTAL	IO-470-C IO-470-G, -P, -R, -T L/IO-470-A O-470-G

-----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) Revision 2 dated February 10, 2011, updates Supplement 14, revision 1 dated September 7, 1993. The purpose of the revision is to include over-sized and undersized parts, not previously listed on Supplement 14, revision 1. Supplement 14, revision 1 dated September 7, 1993 remains in effect.

  
S. Frances Cox  
Manager, Special Aircraft Certification Office  
ASW-190  
2/10/11

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