



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 15, 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 FAA has found that the design data, based on Test and Computations submitted by Superior Air Parts, Inc., with your letter dated March 10, 2011, (FAAL-1379) 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. 35, revision 2. Supplement No. 35, revision 2, dated April 15, 2011, updates Supplement No. 35, revision 1, dated September 27, 1993. The purpose of the revision is to include over-sized parts, not previously listed on Supplement No. 35, revision 1. Supplement No. 35, 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. 35, 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 Supplement No. 35, 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. 35
REVISION 2
DATE April 15, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Piston Ring Top Groove	SA4003	648009, 639566 & 649010	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SA4003, <u>Rev:</u> AE <u>Date:</u> 11/1/1999 or later FAA-approved revisions	Continental	E185-1, -3, -8, -9, -11 E225-4, -8 IO-470-D, -E, -F, -G, -H, -J, -K, -L, -M, -N, -P, -R, -S, -U, -V LIO-470-A IO-470-C O-470-A, -B, -E, -G, -J, -K, -L, -M, -P, -R, -S, -U, -4, -7B, -13, -13A TSIO-470-B, -C, -D
Piston Ring Top Groove	SA4003+.005	648009 P5, 639566 P5 & 649010 P5	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SA4003, <u>Rev:</u> AE <u>Date:</u> 11/1/1999 or later FAA-approved revisions	Continental	E185-1, -3, -8, -9, -11 E225-4, -8 IO-470-D, -E, -F, -G, -H, -J, -K, -L, -M, -N, -P, -R, -S, -U, -V LIO-470-A IO-470-C O-470-A, -B, -E, -G, -J, -K, -L, -M, -P, -R, -S, -U, -4, -7B, -13, -13A TSIO-470-B, -C, -D
Piston Ring Top Groove	SA4003+.015	648009 P15, 639566 P15 & 649010 P15	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SA4003, <u>Rev:</u> AE <u>Date:</u> 11/1/1999 or later FAA-approved revisions	Continental	E185-1, -3, -8, -9, -11 E225-4, -8 IO-470-D, -E, -F, -G, -H, -J, -K, -L, -M, -N, -P, -R, -S, -U, -V LIO-470-A IO-470-C O-470-A, -B, -E, -G, -J, -K, -L, -M, -P, -R, -S, -U, -4, -7B, -13, -13A TSIO-470-B, -C, -D
Piston Ring	SA4709	627480 & 648012	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SA4709, <u>Rev:</u> T <u>Date:</u> 04/18/2008 or later FAA-approved revisions	Continental	E185-1, -3, -8, -9, -11 E225-4, -8 IO-470-D, -E, -F, -G, -H, -J, -K, -L, -M, -N, -P, -R, -S, -U, -V LIO-470-A IO-470-C O-470-A, -B, -E, -G, -J, -K, -L, -M, -P, -R, -S, -U, -4, -7B, -13, -13A TSIO-470-B, -C, -D

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

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

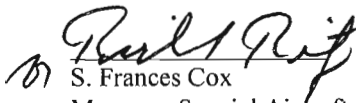
PMA NO. PQ0060SW
SUPPLEMENT NO. 35
REVISION 2
DATE April 15, 2011

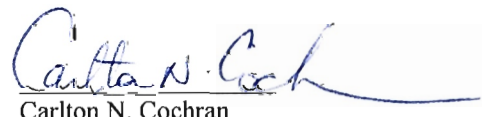
Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Piston Ring	SA4709 P05	627480 P05 & 648012 P05	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SA4709, <u>Rev:</u> T <u>Date:</u> 04/18/2008 or later FAA-approved revisions	Continental	E185-1, -3, -8, -9, -11 E225-4, -8 IO-470-D, -E, -F, -G, -H, -J, -K, -L, -M, -N, -P, -R, -S, -U, -V LIO-470-A IO-470-C O-470-A, -B, -E, -G, -J, -K, -L, -M, -P, -R, -S, -U, -4, -7B, -13, -13A TSIO-470-B, -C, -D
Piston Ring	SA4709 P15	627480 P10 & 648012 P10	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SA4709, <u>Rev:</u> T <u>Date:</u> 04/18/2008 or later FAA-approved revisions	Continental	E185-1, -3, -8, -9, -11 E225-4, -8 IO-470-D, -E, -F, -G, -H, -J, -K, -L, -M, -N, -P, -R, -S, -U, -V LIO-470-A IO-470-C O-470-A, -B, -E, -G, -J, -K, -L, -M, -P, -R, -S, -U, -4, -7B, -13, -13A TSIO-470-B, -C, -D

-----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 35, revision 2, dated April 15, 2011, updates Supplement 35, revision 1, dated September 27, 1993. The purpose of the revision is to include over-sized parts, not previously listed on Supplement 35, revision 1. Supplement 35, revision 1, remains in effect.


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


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