



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 22, 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, 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. 52, revision 2. Supplement 52, revision 2, dated March 22, 2011, updates Supplement No. 52, 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 No. 52, revision 1. Supplement No. 52, revision 2 replaces Supplement No. 52, revision 1.

You are reminded that the provisions of 14 CFR, Parts 21 and 45, noted in our PMA letter of approval dated January 26, 1994, also apply to the enclosed PMA Listing-Supplement No. 52, 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. 52, Revision 2



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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. 52
REVISION 2
DATE March 22, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Piston	SA-632932 STD	632932	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SA632932, <u>Rev:</u> NONE <u>Date:</u> 04/24/1970 or later FAA-approved revisions	Continental	O-470 -K, -L, -R
Piston	SA-632932 P015	632932 P15	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SA632932, <u>Rev:</u> NONE <u>Date:</u> 04/24/1970 or later FAA-approved revisions	Continental	O-470 -K, -L, -R
Piston	SA640518 STD	640518	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SA640518, <u>Rev:</u> J <u>Date:</u> 09/09/2002 or later FAA-approved revisions.	Continental	O-470 -K, -L, -R, -S

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

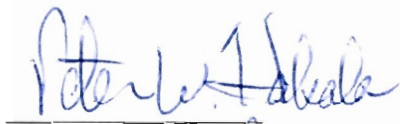
SUPERIOR AIR PARTS, INC.
621 S. Royal Lane, Suite # 100
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PMA NO. PQ0060SW
SUPPLEMENT NO. 52
REVISION 2
DATE March 22, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Piston	SA640518 P015	640518 P015	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SA640518, <u>Rev:</u> J <u>Date:</u> 09/09/2002 or later FAA-approved revisions -----End of Listing-----	Continental	O-470 -K, -L, -R, -S

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 52, revision 2, dated March 22, 2011, updates Supplement 52, 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 52, revision 1. Supplement 52, revision 2, replaces Supplement 52, revision 1.



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

for
3/22/11



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