



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 17, 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 Computation, submitted by Superior Air Parts, Inc., with your letter dated March 8, 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. 101, revision 1 dated March 17, 2011. Supplement No. 101, dated June 2, 1992, 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. 101, revision 1. 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. 101, revision 1



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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. 101  
REVISION 1  
DATE March 17, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Pushrod Assy	SA538304	538304, 652451-8	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SA538304, <u>Rev:</u> E <u>Date:</u> 04/11/2008 or later FAA-approved revisions	Continental	IO-470-D, -E, -F, -G, -H, -L, -M, -N, -P, -R, -S, -U, -V, -VO IO-470-C O-470-B,-G,-K,-L,-M,-P,-R,-S,-U TSIO-470-B, -C, -D IO-520-A, -B, -BA, -BB, -C, -CB, -D,-E,-F,-J, -K, -L, -M,-MB,-N, -NB TSIO-520-A, AF, -B, -BB, -C, -CE, -D, -DB, -E, -EB, -G, -H, -JB, -J,-K, -KB, -L, -LB, -M, -N, -NB, -P, -R, -T, -UB, -VB, -WB IO-550-A, -B, -C, -D, -E, -F, -L TSIOL-550-A, -B, -C
Pushrod Assy	SA538304-P15	538304 P15, 652451-8 P15	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SA538304, <u>Rev:</u> E <u>Date:</u> 04/11/2008 or later FAA-approved revisions	Continental	IO-470-D, -E, -F, -G, -H, -L, -M, -N, -P, -R, -S, -U, -V, -VO IO-470-C O-470-B,-G,-K,-L,-M,-P,-R,-S,-U TSIO-470-B, -C, -D IO-520-A, -B, -BA, -BB, -C, -CB, -D,-E,-F,-J, -K, -L, -M,-MB,-N, -NB TSIO-520-A, AF, -B, -BB, -C, -CE, -D, -DB, -E, -EB, -G, -H, -JB, -J,-K, -KB, -L, -LB, -M, -N, -NB, -P, -R, -T, -UB, -VB, -WB IO-550-A, -B, -C, -D, -E, -F, -L TSIOL-550-A, -B, -C

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PMA NO. PQ0060SW  
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DATE March 17, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Pushrod Assy	SA538304-P30	538304 P30, 652451-8 P30	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SA538304, <u>Rev:</u> E <u>Date:</u> 04/11/2008 or later FAA-approved revisions	Continental	IO-470-D, -E, -F, -G, -H, -L, -M, -N, -P, -R, -S, -U, -V, -VO IO-470-C O-470-B, -G, -K, -L, -M, -P, -R, -S, -U TSIO-470-B, -C, -D IO-520-A, -B, -BA, -BB, -C, -CB, -D, -E, -F, -J, -K, -L, -M, -MB, -N, -NB TSIO-520-A, AF, -B, -BB, -C, -CE, -D, -DB, -E, -EB, -G, -H, -JB, -J, -K, -KB, -L, -LB, -M, -N, -NB, -P, -R, -T, -UB, -VB, -WB IO-550-A, -B, -C, -D, -E, -F, -L TSIOL-550-A, -B, -C
Valve Seat, Intake	SA642318	642318	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SA642318, <u>Rev:</u> B <u>Date:</u> 08/27/2007 or later FAA-approved revisions	Continental	TSIO-520-AE, -AF, -BB, -C, -CB, -CE, -G, -H, -M, -MB, -P, -R, -T, -UB IO-550-A, -B, -C, -D, -E, -F, -L TSIOL-550-A
Valve Seat, Intake	SA642318 P05	642318 P05	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SA642318, <u>Rev:</u> B <u>Date:</u> 08/27/2007 or later FAA-approved revisions	Continental	TSIO-520-AE, -AF, -BB, -C, -CB, -CE, -G, -H, -M, -MB, -P, -R, -T, -UB IO-550-A, -B, -C, -D, -E, -F, -L TSIOL-550-A
Valve Seat, Intake	SA642318 P10	642318 P10	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SA642318, <u>Rev:</u> B <u>Date:</u> 08/27/2007 or later FAA-approved revisions	Continental	TSIO-520-AE, -AF, -BB, -C, -CB, -CE, -G, -H, -M, -MB, -P, -R, -T, -UB IO-550-A, -B, -C, -D, -E, -F, -L TSIOL-550-A
Valve Seat, Intake	SA642318 P15	642318 P15	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SA642318, <u>Rev:</u> B <u>Date:</u> 08/27/2007 or later FAA-approved revisions	Continental	TSIO-520-AE, -AF, -BB, -C, -CB, -CE, -G, -H, -M, -MB, -P, -R, -T, -UB IO-550-A, -B, -C, -D, -E, -F, -L TSIOL-550-A
Valve Seat, Intake	SA642318 P20	642318 P20	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SA642318, <u>Rev:</u> B <u>Date:</u> 08/27/2007 or later FAA-approved revisions	Continental	TSIO-520-AE, -AF, -BB, -C, -CB, -CE, -G, -H, -M, -MB, -P, -R, -T, -UB IO-550-A, -B, -C, -D, -E, -F, -L TSIOL-550-A

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PMA NO. PQ0060SW  
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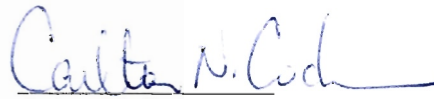
Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Valve Seat, Intake	SA642318 P30	642318 P30	Test and Computations per 14 CFR § 21.303, <u>DWG No: SA642318, Rev: B</u> <u>Date: 08/27/2007</u> or later FAA-approved revisions -----End of Listing-----	Continental	TSIO-520-AE, -AF, -BB, -C, -CB, -CE, -G, -H, -M, -MB, -P, -R, -T, -UB IO-550-A, -B, -C, -D, -E, -F, -L TSIOL-550-A

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 101, revision 1, dated March 17, 2011, updates Supplement 101, dated June 2, 1992. The purpose of the revision is to include over-sized and under-sized parts, not previously listed on Supplement 101. Supplement 101 dated June 2, 1992, remains in effect.

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

3/17/11

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