



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 Federal Aviation Administration (FAA) has found that the design data, based on Test and Computations submitted by Superior Air Parts, Inc., with your letters dated March 28, 2011 (FAAL-1444) and March 14, 2011 (FAAL-1396) 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. 78, revision 2. Supplement No. 78, revision 2, dated April 14, 2011, updates Supplement No. 78, revision 1. The purpose of the revision is to include over-sized and under-sized parts, not previously listed on Supplement No. 78, revision 1. Supplement No. 78, 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. 78, 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. 78, 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. 78
REVISION 2
DATE April 14, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
VP3N Main Bearing Int. & Rear	SA642337	642337	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SA642337, <u>Rev:</u> F Date: 10/26/2005 or later FAA approved revisions	Continental	IO-360-AB, -CB, -DB, -GB, -HB, -JB, -KB LTSIO-360-EB, -KB TSIO-360-AB, -CB, -DB, -EB, -FB, -GB, -HB, -JB, -KB, -LB, -MB
VP3N Main Bearing Int. & Rear	SA642337 M05	642337 M05	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SA642337, <u>Rev:</u> F Date: 10/26/2005 or later FAA approved revision	Continental	IO-360-AB, -CB, -DB, -GB, -HB, -JB, -KB LTSIO-360-EB, -KB TSIO-360-AB, -CB, -DB, -EB, -FB, -GB, -HB, -JB, -KB, -LB, -MB
VP3N Main Bearing Int. & Rear	SA642337 M10	642337 M10	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SA642337, <u>Rev:</u> F Date: 10/26/2005 or later FAA approved revision	Continental	IO-360-AB, -CB, -DB, -GB, -HB, -JB, -KB LTSIO-360-EB, -KB TSIO-360-AB, -CB, -DB, -EB, -FB, -GB, -HB, -JB, -KB, -LB, -MB

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Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Stud	SA401870 STD	401870	Test and Computations per 14CFR § 21.303, <u>DWG NO:</u> SA401870, <u>REV:</u> D <u>DATE:</u> 07/01/1994 or later FAA-approved revisions	Continental	C75-8, -12, -14, -16, -8F, -12F, -14F, -16F C85-8, -12, -14, -16, -8F, -12F, -14F, -16F C90-8, -12, -14, -16, -8F, -12F, -14F, -16F O-200-A, -B C-125-2 C145-2, -2H O-300-A, -B, -C, -D GO-300-A, -C, -D, -E, -F IO-360- C, - G LTSIO-360-E, -KB TSIO-360-A, -B, -C, -D, -EB, -F, -FB, -H, -JB, -KB, -LB, -MB IO-470-C O-470-B, -G, -J, -K, -L, -M, -R, -S, -U IO-470-D, -E, -F, -H, -J, -K, -L, -M, -N, -P, -R, -S, -U, -V IO-520-A, -D, -E, -F, -J, - K, -L LTSIO-520-AE TSIO-520-AE, -AF, -C, -CE, -G, -H, -M, -P, -R, -T IO-550- D, -E, -F, -L

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Stud	SA401870 .003	401870 P03	Test and Computations per 14CFR § 21.303, <u>DWG NO:</u> SA401870, <u>REV:</u> D <u>DATE:</u> 07/01/1994 or later FAA-approved revisions	Continental	C75-8, -12, -14, -16, -8F, -12F, -14F, -16F C85-8, -12, -14, -16, -8F, -12F, -14F, -16F C90-8, -12, -14, -16, -8F, -12F, -14F, -16F O-200-A, -B C-125-2 C145-2, -2H O-300-A, -B, -C, -D GO-300-A, -C, -D, -E, -F IO-360- C, - G LTSIO-360-E, -KB TSIO-360-A, -B, -C, -D, -EB, -F, -FB, -H, -JB, -KB, -LB, -MB IO-470-C O-470-B, -G, -J, -K, -L, -M, -R, -S, -U IO-470-D, -E, -F, -H, -J, -K, -L, -M, -N, -P, -R, -S, -U, -V IO-520-A, -D, -E, -F, -J, - K, -L LTSIO-520-AE TSIO-520-AE, -AF, -C, -CE, -G, -H, -M, -P, -R, -T IO-550- D, -E, -F, -L

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Stud	SA401870 .007	401870 P07	Test and Computations per 14CFR § 21.303, <u>DWG NO:</u> SA401870, <u>REV:</u> D <u>DATE:</u> 07/01/1994 or later FAA-approved revisions	Continental	C75-8, -12, -14, -16, -8F, -12F, -14F, -16F C85-8, -12, -14, -16, -8F, -12F, -14F, -16F C90-8, -12, -14, -16, -8F, -12F, -14F, -16F O-200-A, -B C-125-2 C-145-2, -2H O-300-A, -B, -C, -D GO-300-A, -C, -D, -E, -F IO-360- C, - G LTSIO-360-E, -KB TSIO-360-A, -B, -C, -D, -EB, -F, -FB, -H, -JB, -KB, -LB, -MB IO-470-C O-470-B, -G, -J, -K, -L, -M, -R, -S, -U IO-470-D, -E, -F, -H, -J, -K, -L, -M, -N, -P, -R, -S, -U, -V IO-520-A, -D, -E, -F, -J, - K, -L LTSIO-520-AE TSIO-520-AE, -AF, -C, -CE, -G, -H, -M, -P, -R, -T IO-550- D, -E, -F, -L

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Stud	SA401870 .012	401870 P12	Test and Computations per 14CFR § 21.303, <u>DWG NO:</u> SA401870, <u>REV:</u> D <u>DATE:</u> 07/01/1994 or later FAA-approved revisions	Continental	C75-8, -12, -14, -16, -8F, -12F, -14F, -16F C85-8, -12, -14, -16, -8F, -12F, -14F, -16F C90-8, -12, -14, -16, -8F, -12F, -14F, -16F O-200-A, -B C125-2 C145-2, -2H O-300-A, -B, -C, -D GO-300-A, -C, -D, -E, -F IO-360- C, - G LTSIO-360-E, -KB TSIO-360-A, -B, -C, -D, -EB, -F, -FB, -H, -JB, -KB, -LB, -MB IO-470-C O-470-B, -G, -J, -K, -L, -M, -R, -S, -U IO-470-D, -E, -F, -H, -J, -K, -L, -M, -N, -P, -R, -S, -U, -V IO-520-A, -D, -E, -F, -J, -K, -L LTSIO-520-AE TSIO-520-AE, -AF, -C, -CE, -G, -H, -M, -P, -R, -T IO-550- D, -E, -F, -L

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Stud	SA401885	401885	Test and Computations per 14CFR § 21.303, <u>DWG NO:</u> SA401885, <u>REV:</u> A <u>DATE:</u> 07/12/2004 or later FAA-approved revisions	Continental	A-65-1, -3, -6, -6J, -7, -8, -8F, -8FJ, -8J, -9, -9F, -9FJ, -9J, -12, -12F, -12FJ, -12J, -14, -14F, -14FJ, -14J A75-3, -6, -6J, -8, -8F, -8J, -8FJ, -9, -9J O-300-D IO-346-A, -B 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 IO-470-C O-470-A, -B, -C, -E, -G, -J, -K, -L, -M, -P, -R, -S, -U IO-470-D, -E, -F, -G, -H, -J, -K, -L, -M, -N, -P, -R, -S, -U, -V TSIO-470-B1, -B2, -B3, -C, -D GTSIO-520-C, -D, -F, -H, -K, -L, -M, -N IO-520-A, -B, -BA, -BB, -C, -CB, -D, -DB, -E, -EB, -F, -J, -JB, -K, -KB, -L, -LB, -M, -MB, -UB, -VB, -WB LTSIO-520-AE TSIO-520-AE, -AF, -B, -BB, -BE, -C, -CE, -D, -DB, -E, -EB, -G, -H, -J, -JB, -K, -KB, -L, -LB, -M, -N, -NB, -P, -R, -T, -UB, -VB, -WB IO-550-A, -B, -C, -D, -E, -F, -G, -L TSIOL-550-A

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Stud	SA401885 P003	401885 P03	Test and Computations per 14CFR § 21.303, <u>DWG NO:</u> SA401885, <u>REV:</u> A <u>DATE:</u> 07/12/2004 or later FAA-approved revisions	Continental	A-65-1, -3, -6, -6J, -7, -8, -8F, -8FJ, -8J, -9, -9F, -9FJ, -9J, -12, -12F, -12FJ, -12J, -14, -14F, -14FJ, -14J A75-3, -6, -6J, -8, -8F, -8J, -8FJ, -9, -9J O-300-D IO-346-A, -B 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 IO-470-C O-470-A, -B, -C, -E, -G, -J, -K, -L, -M, -P, -R, -S, -U IO-470-D, -E, -F, -G, -H, -J, -K, -L, -M, -N, -P, -R, -S, -U, -V TSIO-470-B1, -B2, -B3, -C, -D GTSIO-520-C, -D, -F, -H, -K, -L, -M, -N IO-520-A, -B, -BA, -BB, -C, -CB, -D, -DB, -E, -EB, -F, -J, -JB, -K, -KB, -L, -LB, -M, -MB, -UB, -VB, -WB LTSIO-520-AE TSIO-520-AE, -AF, -B, -BB, -BE, -C, -CE, -D, -DB, -E, -EB, -G, -H, -J, -JB, -K, -KB, -L, -LB, -M, -N, -NB, -P, -R, -T, -UB, -VB, -WB IO-550-A, -B, -C, -D, -E, -F, -G, -L TSIOL-550-A

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Stud	SA401885 P007	401885 P07	Test and Computations per 14CFR § 21.303, <u>DWG NO:</u> SA401885, <u>REV:</u> A <u>DATE:</u> 07/12/2004 or later FAA-approved revisions	Continental	A-65-I, -3, -6, -6J, -7, -8, -8F, -8FJ, -8J, -9, -9F, -9FJ, -9J, -12, -12F, -12FJ, -12J, -14, -14F, -14FJ, -14J A75-3, -6, -6J, -8, -8F, -8J, -8FJ, -9, -9J O-300-D IO-346-A, -B 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 IO-470-C O-470-A, -B, -C, -E, -G, -J, -K, -L, -M, -P, -R, -S, -U IO-470-D, -E, -F, -G, -H, -J, -K, -L, -M, -N, -P, -R, -S, -U, -V TSIO-470-B1, -B2, -B3, -C, -D GTSIO-520-C, -D, -F, -H, -K, -L, -M, -N IO-520-A, -B, -BA, -BB, -C, -CB, -D, -DB, -E, -EB, -F, -J, -JB, -K, -KB, -L, -LB, -M, -MB, -UB, -VB, -WB LTSIO-520-AE TSIO-520-AE, -AF, -B, -BB, -BE, -C, -CE, -D, -DB, -E, -EB, -G, -H, -J, -JB, -K, -KB, -L, -LB, -M, -N, -NB, -P, -R, -T, -UB, -VB, -WB IO-550-A, -B, -C, -D, -E, -F, -G, -L TSIOL-550-A

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Stud	SA401885 P012	401885 P12	Test and Computations per 14CFR § 21.303, <u>DWG NO:</u> SA401885, <u>REV:</u> A <u>DATE:</u> 07/12/2004 or later FAA-approved revisions	Continental	A-65-1, -3, -6, -6J, -7, -8, -8F, -8FJ, -8J, -9, -9F, -9FJ, -9J, -12, -12F, -12FJ, -12J, -14, -14F, -14FJ, -14J A75-3, -6, -6J, -8, -8F, -8J, -8FJ, -9, -9J O-300-D IO-346-A, -B 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 IO-470-C O-470-A, -B, -C, -E, -G, -J, -K, -L, -M, -P, -R, -S, -U IO-470-D, -E, -F, -G, -H, -J, -K, -L, -M, -N, -P, -R, -S, -U, -V TSIO-470-B1, -B2, -B3, -C, -D GTSIO-520-C, -D, -F, -H, -K, -L, -M, -N IO-520-A, -B, -BA, -BB, -C, -CB, -D, -DB, -E, -EB, -F, -J, -JB, -K, -KB, -L, -LB, -M, -MB, -UB, -VB, -WB LTSIO-520-AE TSIO-520-AE, -AF, -B, -BB, -BE, -C, -CE, -D, -DB, -E, -EB, -G, -H, -J, -JB, -K, -KB, -L, -LB, -M, -N, -NB, -P, -R, -T, -UB, -VB, -WB IO-550-A, -B, -C, -D, -E, -F, -G, -L TSIOL-550-A

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Stud	SA402044 STD	402044	Test and Computations per 14CFR § 21.303, <u>DWG NO:</u> SA402044, <u>REV:</u> B <u>DATE:</u> 09/29/2007 or later FAA-approved revisions	Continental	A-65-1, -3, -6, -6J, -7, -8, -8F, -8FJ, -8J, -9, -9F, -9FJ, -9J, -12, -12F, -12FJ, -12J, -14, -14F, -14FJ, -14J A75-3, -6, -6J, -8, -8F, -8J, -8FJ, -9, -9J C75-8, -8F, -8FH, -8FHJ, -8FJ, -8J, -12, -12F, -12FH, -12FHJ, -12FJ, -12J, -12B, -12BF, -12BFH, -15, -15F C85-8, -8F, -8FHJ, -8FJ, -8J, -12, -12F, -12FH, -12FHJ, -12FJ, -J, -14F, -15, -15F C90-8F, -8FJ, -12F, -12FH, -12FJ, -12FP, -14F, -14FH, -14FJ, -16F O-200-A, -B C125-2 C145-2, -H2 O-300-A, -B 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 TSIO-520-AF, -B, -BB, -BE, -C, -CE, -E, -EB, -G, -H, -J, -JB, -K, -KB, -L, -LB, -M, -N, -NB, -P, -R, -T, -VB, -WB TSIOL-550-A

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Stud	SA402044 .003	402044 P03	Test and Computations per 14CFR § 21.303, <u>DWG NO:</u> SA402044, <u>REV:</u> B <u>DATE:</u> 09/29/2007 or later FAA-approved revisions	Continental	A-65-1, -3, -6, -6J, -7, -8, -8F, -8FJ, -8J, -9, -9F, -9FJ, -9J, -12, -12F, -12FJ, -12J, -14, -14F, -14FJ, -14J A75-3, -6, -6J, -8, -8F, -8J, -8FJ, -9, -9J C75-8, -8F, -8FH, -8FHJ, -8FJ, -8J, -12, -12F, -12FH, -12FHJ, -12FJ, -12J, -12B, -12BF, -12BFH, -15, -15F C85-8, -8F, -8FHJ, -8FJ, -8J, -12, -12F, -12FH, -12FHJ, -12FJ, -J, -14F, -15, -15F C90-8F, -8FJ, -12F, -12FH, -12FJ, -12FP, -14F, -14FH, -14FJ, -16F O-200-A, -B C125-2 C145-2, -H2 O-300-A, -B 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 TSIO-520-AF, -B, -BB, -BE, -C, -CE, -E, -EB, -G, -H, -J, -JB, -K, -KB, -L, -LB, -M, -N, -NB, -P, -R, -T, -VB, -WB TSIOL-550-A

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Stud	SA402044 .007	402044 P07	Test and Computations per 14CFR § 21.303, <u>DWG NO:</u> SA402044, <u>REV:</u> B <u>DATE:</u> 09/29/2007 or later FAA-approved revisions	Continental	A-65-1, -3, -6, -6J, -7, -8, -8F, -8FJ, -8J, -9, -9F, -9FJ, -9J, -12, -12F, -12FJ, -12J, -14, -14F, -14FJ, -14J A75-3, -6, -6J, -8, -8F, -8J, -8FJ, -9, -9J C75-8, -8F, -8FH, -8FHJ, -8FJ, -8J, -12, -12F, -12FH, -12FHJ, -12FJ, -12J, -12B, -12BF, -12BFH, -15, -15F C85-8, -8F, -8FHJ, -8FJ, -8J, -12, -12F, -12FH, -12FHJ, -12FJ, -J, -14F, -15, -15F C90-8F, -8FJ, -12F, -12FH, -12FJ, 12-FP, -14F, -14FH, -14FJ, -16F O-200-A, -B C125-2 C145-2, -H2 O-300-A, -B 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 TSIO-520-AF, -B, -BB, -BE, -C, -CE, -E, -EB, -G, -H, -J, -JB, -K, -KB, -L, -LB, -M, -N, -NB, -P, -R, -T, -VB, -WB TSIOL-550-A

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621 S. Royal Lane, Suite # 100
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REVISION 2
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Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Stud	SA402044 .012	402044 P12	Test and Computations per 14CFR § 21.303, <u>DWG NO:</u> SA402044, <u>REV:</u> B <u>DATE:</u> 09/29/2007 or later FAA-approved revisions	Continental	A-65-1, -3, -6, -6J, -7, -8, -8F, -8FJ, -8J, -9, -9F, -9FJ, -9J, -12, -12F, -12FJ, -12J, -14, -14F, -14FJ, -14J A75-3, -6, -6J, -8, -8F, -8J, -8FJ, -9, -9J C75-8, -8F, -8FH, -8FHJ, -8FJ, -8J, -12, -12F, -12FH, -12FHJ, -12FJ, -12J, -12B, -12BF, -12BFH, -15, -15F C85-8, -8F, -8FHJ, -8FJ, -8J, -12, -12F, -12FH, -12FHJ, -12FJ, -J, -14F, -15, -15F C90-8F, -8FJ, -12F, -12FH, -12FJ, 12-FP, -14F, -14FH, -14FJ, -16F O-200-A, -B C125-2 C145-2, -H2 O-300-A, -B 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 TSIO-520-AF, -B, -BB, -BE, -C, -CE, -E, -EB, -G, -H, -J, -JB, -K, -KB, -L, -LB, -M, -N, -NB, -P, -R, -T, -VB, -WB TSIOL-550-A

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Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Screw	SA535091-.62	535091-.62, 649353-.62	Test and Computations per 14CFR § 21.303, <u>DWG NO:</u> SA535091-.62, <u>REV:</u> E <u>DATE:</u> 03/10/1998 or later FAA-approved revisions	Continental	A-65-1, -3, -6, -6J, -7, -8, -8F, -8FJ, -8J, -9, -9F, -9FJ, -9J, -12, -12F, -12FJ, -12J, -14, -14F, -14FJ, -14J A75-3, -6, -6J, -8, -8F, -8J, -8FJ, -9, -9J C-125-2 C145-2, -H2 O-300-A, -B, -C, -D GO-300-A, -C, -D, -E IO-360-A, -AB, -C, -CB, -D, -DB, -G, -GB, -H, -HB, -J, -JB, -K, -KB LTSIO-360-E, -KB TSIO-360-A, -AB, -B, -C, -CB, -D, -DB, -E, -EB, -F, -FB, -G, -GB, -H, -HB, -JB, -KB, -LB GTSIO-520-C, -D, -F, -H, -K, -L, -M, -N IO-520-A, -D, -E, -F, -J, -K, -L LTSIO-520-AE TSIO-520-AE, -AF, -C, -G, -H, -M, -P, -R, -T IO-550-D, -E, -F, -L
Insert, Intake Valve Seat	SA629702	6329702	Test and Computations per 14CFR § 21.303, <u>DWG NO:</u> SA629702, <u>REV:</u> F <u>DATE:</u> 04/15/2003 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
Insert, Intake Valve Seat	SA629702 P02	6329702 P02	Test and Computations per 14CFR § 21.303, <u>DWG NO:</u> SA629702, <u>REV:</u> F <u>DATE:</u> 04/15/2003 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
Insert, Intake Valve Seat	SA629702 P05	6329702 P05	Test and Computations per 14CFR § 21.303, <u>DWG NO:</u> SA629702, <u>REV:</u> F <u>DATE:</u> 04/15/2003 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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Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Insert, Intake Valve Seat	SA629702 P10	6329702 P10	Test and Computations per 14CFR § 21.303, <u>DWG NO:</u> SA629702, <u>REV:</u> F <u>DATE:</u> 04/15/2003 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
Insert, Intake Valve Seat	SA629702 P20	6329702 P20	Test and Computations per 14CFR § 21.303, <u>DWG NO:</u> SA629702, <u>REV:</u> F <u>DATE:</u> 04/15/2003 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
Insert, Intake Valve Seat	SA629702 P30	6329702 P30	Test and Computations per 14CFR § 21.303, <u>DWG NO:</u> SA629702, <u>REV:</u> F <u>DATE:</u> 04/15/2003 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	SA630678	630678	Test and Computations per 14CFR § 21.303, <u>DWG NO:</u> SA630678, <u>REV:</u> F <u>DATE:</u> 12/22/1999 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, -EB, -F, -FB, -G, -GB, -H, -HB, -JB, -KB, -LB, -MB
Ring, Piston	SA630678 P005	630678 P05	Test and Computations per 14CFR § 21.303, <u>DWG NO:</u> SA630678, <u>REV:</u> F <u>DATE:</u> 12/22/1999 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, -EB, -F, -FB, -G, -GB, -H, -HB, -JB, -KB, -LB, -MB
Ring, Piston	SA630678 P015	630678 P15	Test and Computations per 14CFR § 21.303, <u>DWG NO:</u> SA630678, <u>REV:</u> F <u>DATE:</u> 12/22/1999 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, -EB, -F, -FB, -G, -GB, -H, -HB, -JB, -KB, -LB, -MB

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Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Insert, Valve Seat	SA635959	635959	Test and Computations per 14CFR § 21.303, <u>DWG NO:</u> SA6435959, <u>REV:</u> E <u>DATE:</u> 12/13/2004 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
Insert, Valve Seat	SA635959 P05	635959 P05	Test and Computations per 14CFR § 21.303, <u>DWG NO:</u> SA6435959, <u>REV:</u> E <u>DATE:</u> 12/13/2004 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
Insert, Valve Seat	SA635959 P10	635959 P10	Test and Computations per 14CFR § 21.303, <u>DWG NO:</u> SA6435959, <u>REV:</u> E <u>DATE:</u> 12/13/2004 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
Insert, Valve Seat	SA635959 P15	635959 P15	Test and Computations per 14CFR § 21.303, <u>DWG NO:</u> SA6435959, <u>REV:</u> E <u>DATE:</u> 12/13/2004 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
Insert, Valve Seat	SA635959 P20	635959 P20	Test and Computations per 14CFR § 21.303, <u>DWG NO:</u> SA6435959, <u>REV:</u> E <u>DATE:</u> 12/13/2004 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
Insert, Valve Seat	SA635959 P30	635959 P30	Test and Computations per 14CFR § 21.303, <u>DWG NO:</u> SA6435959, <u>REV:</u> E <u>DATE:</u> 12/13/2004 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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Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Piston	SA646743 STD	646743	Test and Computations per 14CFR § 21.303, <u>DWG NO:</u> SA646743, <u>REV:</u> F <u>DATE:</u> 09/02/2004 or later FAA-approved revisions	Continental	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
Piston	SA646743 P015	646743 P15	Test and Computations per 14CFR § 21.303, <u>DWG NO:</u> SA646743, <u>REV:</u> F <u>DATE:</u> 09/02/2004 or later FAA-approved revisions	Continental	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
-----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 78, revision 2, dated April 14, 2011, updates Supplement 78, 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 78, revision 1. Supplement 78, 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