



U.S. Department
of Transportation
**Federal Aviation
Administration**

Rotorcraft Directorate
Fort Worth Manufacturing Inspection District Office
2601 Meacham Boulevard
Fort Worth, Texas 76137-4298

SEP 09 2014

Mr. Keith Chatten
Vice President Engineering & Quality
Superior Air Parts, Inc.
621 S. Royal Lane, Suite 100
Coppell, Texas 75019

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

Dear Mr. Chatten:

In accordance with the provisions of Title 14, Code of Federal Regulations (14 CFR), part 21, Certification Procedures for Products, Articles 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 October 16, 2012 (Ref. 1554), meet the airworthiness requirements of the regulations applicable to the products on which the articles are to be installed. Additionally, the FAA has determined that Superior Air Parts, Inc., has established the quality system required by § 21.307 at 621 S. Royal Lane, Suite 100, Coppell, Texas 75019. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted for production of the replacement articles listed in the enclosed Supplement No. 71, revision 4. 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 July 9, 2012, also apply to the enclosed PMA Listing-Supplement No. 71, revision 4. 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

Enclosure:
PMA Listing-Supplement No. 71, revision 4.

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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. 71
REVISION NO. 4
DATE **SEP 09 2014**

Article Name	Article Number	Approved Replacement For Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Pin	SA643626-101	P/N 643626-101 P/N 630261-35 P/N 630261-4 P/N 350999	Test and Computations per 14 CFR §21.303, <u>DWG No:</u> SA643626, <u>Rev:</u> D, <u>Date:</u> 05/30/08, or later FAA approved revisions.	Continental Motors	E165-2, -3, -4 E185-1, -2, -3, -5, -8, -9, -10, -11 E225-2, -4, -8, -9 O-470-A, -E, -J, -K, -K-CI, -L, -L-CI, -M, -M-CI, -P, -R, -S, -T, -U IO-470-A, -C, -D, -E, -F, -G, -H, -J, -K, -L, -LO, -M, -N, -P, R, -S, -T, -U, -V, -VO TSIO-470-B, -C, -D IO-520-A, -B, -BA, -C, -D, -E, -F, -J, -K, -L, -M, -N TSIO-520-A, -AF, -B, -C, -D, -E, -G, -H, -J, -K, -L, -M, -N, -P, -R, -T
Pin	SA643626-103	P/N 643626-103 P/N 630261-38 P/N 630261-27	Test and Computations per 14 CFR §21.303, <u>DWG No:</u> SA643626, <u>Rev:</u> D, <u>Date:</u> 05/30/08, or later FAA approved revisions.	Continental Motors	IO-520-A, -B, -BA, -BB, -C, -CB, -D, -E, -F, -J, -K, -L, -M, -MB, -N, -NB TSIO-520-A, -AF, -B, -BB, -BE, -C, -CE, -D, -DB, -E, -EB, -G, -H, -J, -JB, -K, -KB, -L, -LB, -M, -N, -NB, -P, -R, -T, -U, -UB, -VB, -WB IO-550-A, -B, -C, -D, -E, -F, -G, -L, -N, -P, -R IOF-550-B, -C, -D, -E, -F, G, -L, -N, -P, -R

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Article Name	Article Number	Approved Replacement For Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Pin	SA643626-103	P/N 643626-103 P/N 630261-38 P/N 630261-27	Test and Computations per 14 CFR §21.303, <u>DWG No:</u> SA643626, <u>Rev:</u> D, <u>Date:</u> 05/30/08, or later FAA approved revisions.	Continental Motors	TSIO-550-A, -B, -C, -E, -G, -K TSIOF-550-D, -J, -K TSIOL-550-A, -B, -C
Pin	SA643626-104	P/N 643626-107 P/N 643626-104 P/N 630261-37 P/N 630261-34 P/N 630261-3 P/N 629270	Test and Computations per 14 CFR §21.303, <u>DWG No:</u> SA643626, <u>Rev:</u> D, <u>Date:</u> 05/30/08, or later FAA approved revisions.	Continental Motors	O-470-A, -E, -J, -R, -S, -T, -U IO-470-J, -K, -L, -LO, -U, -V, -VO TSIO-470-D IO-520-A, -B, -BB, -C, -CB, -D, -E, -F, -J, -K, -L, -M, -MB, -P LIO-520-P TSIO-520-A, -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, -U, -UB, -VB, -WB GTSIO-520-C, -D, -E, -F, -H, -K, -L, -M, -N IO-550-A, -B, -C, -D, -E, -F, -G, -L, -N, -P, -R IOF-550-B, -C, -D, -E, -F, G, -L, -N, -P, -R TSIO-550-A, -B, -C, -E, -G, -K TSIOF-550-D, -J, -K

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Article Name	Article Number	Approved Replacement For Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Pin	SA643626-105	P/N 643626-105 P/N 630261-40 P/N 630261-2 P/N 539572	Test and Computations per 14 CFR §21.303, <u>DWG No:</u> SA643626, <u>Rev:</u> D, <u>Date:</u> 05/30/08, or later FAA approved revisions.	Continental Motors	O-470-B, -B-CI, -G, -G-CI
Pin	SA643626-105	P/N 643626-105 P/N 630261-40 P/N 630261-2 P/N 539572	Test and Computations per 14 CFR §21.303, <u>DWG No:</u> SA643626, <u>Rev:</u> D, <u>Date:</u> 05/30/08, or later FAA approved revisions.	Continental Motors	IO-470-P, -T LIO-470-A IO-520-BB, -MB, -NB, -P LIO-520-P TSIO-520-AE, -BB, -BE, -CE, -DB, -EB, -JB, -KB, -LB, -NB, -UB, -VB, -WB LTSIO-520-AE IO-550-A, -B, -C, -D, -E, -F, -G, -L, -N, -P, -R IOF-550-B, -C, -D, -E, -F, -G, -L, -N, -P, -R TSIO-550-A, -B, -C, -E, -G, -K TSIOF-550-D, -J, -K TSIOL-550-A, -B, -C
Pin	SA643626-106	P/N 643626-106 P/N 630261-39 P/N 630261-32	Test and Computations per 14 CFR §21.303, <u>DWG No:</u> SA643626, <u>Rev:</u> D, <u>Date:</u> 05/30/08, or later FAA approved revisions.	Continental Motors	O-470-U IO-470-U, -V, -VO TSIO-520-AE

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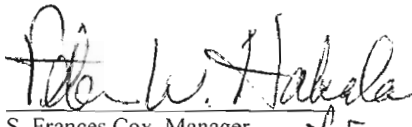
Article Name	Article Number	Approved Replacement For Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Pin	SA643626-106	P/N 643626-106 P/N 630261-39 P/N 630261-32	Test and Computations per 14 CFR §21.303, DWG No: SA643626, Rev: D, Date: 05/30/08, or later FAA approved revisions.	Continental Motors	LTSIO-520-AE TSIOL-550-A, -B, -C

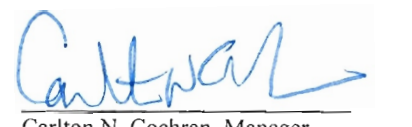
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GENERAL NOTES:

Provide minor design changes in a manner as determined by the ACO. Process major design changes to drawings and specifications in the same manner as that for an original FAA-PMA.

The FAA accepted the ICA approach for the above articles with their designs. These ICA may refer to those of the respective articles from the holders of type certificates. Otherwise, provide supplemental ICA for differences in the replacement articles. Make referral statements or supplemental ICA readily available per 14 CFR 21.50.


S. Frances Cox, Manager
Special Certification Office,
Aircraft Certification Service


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