



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

Aviation Safety

10101 Hillwood Parkway
Fort Worth, Texas 76177

September 8, 2020

Darryl Harlos
Quality Director
Superior Air Parts, Inc.
621 S. Royal Lane
Coppell, TX 75019

FEDERAL AVIATION ADMINISTRATION (FAA)-PARTS MANUFACTURER APPROVAL

Dear Mr. Harlos:

In accordance with the provisions of Title 14, Code of Federal Regulations (14 CFR) part 21, Certification Procedures for Products and Articles, subpart K, the FAA has found that the design data, based on Test and Computation and submitted by Superior Air Parts, Inc., with your letter dated June 30, 2020, 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, Coppell, TX 75019. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted for production of the replacement articles listed in the enclosed Supplement No. 285.

You are reminded that the provisions of 14 CFR parts 21 and 45, noted in our PMA letter of approval dated July 09, 2012, also apply to the enclosed PMA Listing-Supplement No. 285. The enclosed supplement should be retained with the original PMA letter as evidence of approval to produce the articles concerned.

Sincerely,

Digitally signed by
GREGORY M
ROSENBERG
Date: 2020.09.08
10:27:18 -05'00'

Greg Rosenberg
Aviation Safety
Acting Manager, Fort Worth MIDO Section, AIR-882

Enclosure
PMA Listing-Supplement No. 285



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. 285
DATE: September 8, 2020

Article Name	Article Number	Approved Replacement For Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Pushrod Assy.	SA538304 P015	538304P015	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 Aerospace Technologies	IO-470-C, -D, -E, -F, -G, -H, -L, -M, -N, -P, -R, -S, -U, -V, -VO 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, -J, -JB, -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 P015	652451-8P015	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 Aerospace Technologies	IO-470-C, -D, -E, -F, -G, -H, -L, -M, -N, -P, -R, -S, -U, -V, -VO 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, -J, -JB, -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

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. 285
DATE: September 8, 2020

Article Name	Article Number	Approved Replacement For Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Pushrod Assy.	SA538304 P030	538304P030	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 Aerospace Technologies	IO-470-C, -D, -E, -F, -G, -H, -L, -M, -N, -P, -R, -S, -U, -V, -VO 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, -J, -JB, -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 P030	652451-8P030	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 Aerospace Technologies	IO-470-C, -D, -E, -F, -G, -H, -L, -M, -N, -P, -R, -S, -U, -V, -VO 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, -J, -JB, -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 P005	642318P005	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 Aerospace Technologies	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 P010	642318P010	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 Aerospace Technologies	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

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. 285
DATE: September 8, 2020

Article Name	Article Number	Approved Replacement For Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Valve Seat, Intake	SA642318 P015	642318P015	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 Aerospace Technologies	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 P020	642318P020	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 Aerospace Technologies	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 P030	642318P030	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 Aerospace Technologies	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

----- END OF DATA -----

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.

GREGORY M ROSENBERG
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GREGORY M ROSENBERG
Digitally signed by GREGORY M ROSENBERG
Date: 2020.09.08 10:31:09 -05'00'

Jim Grigg
Manager, Fort Worth ACO Branch
Compliance & Airworthiness
Division Aircraft Certification
Service

Giovanni J. Duarte
Aviation Safety
Acting Manager, Fort Worth MIDO Section, AIR-882