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

Aviation Safety

Fort Worth MIDO Section
10101 Hillwood Parkway
Fort Worth, TX 76177

December 7, 2022

Mr. Darryl Harlos
Quality Director
Superior Air Parts, Inc.
621 S. Royal Lane, Suite 100
Coppell, TX 75019

Dear Mr. Harlos:

In accordance with title 14, Code of Federal Regulations (14 CFR), part 21, "Certification Procedures for Products and Articles," subpart K, "Parts Manufacturer Approvals," the FAA has found that the design data, based on Test and Computation and submitted by Superior Air Parts, Inc., with your letter dated January 31, 2020, meet the airworthiness requirements of 14 CFR 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, "Quality system," at 621 S. Royal Lane, Suite 100. Accordingly, the FAA hereby grants Parts Manufacturer Approval (PMA) to Superior Air Parts, Inc. for production of the replacement articles listed in the enclosed Supplement No. 319.

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. 319. The enclosed supplement should be retained with the original PMA letter as evidence of approval to produce the articles concerned.

Sincerely,

CARLTON N COCHRAN

Digitally signed by
CARLTON N COCHRAN
Date: 2022.12.07 14:40:26
-06'00'

Carlton N. Cochran
Manager, Fort Worth MIDO Section, AIR-882
Aviation Safety

Enclosure
PMA Listing—Supplement No. 319

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

PMA No. PQ0060SW
Supplement No. 319
Date 12/7/2022

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Guide-Exhaust Valve, High Chrome	SL11626 P005	LW-11626 P05	Test and Computations per 14 CFR § 21.303, DWG. No: SL11626, Rev: M Date: 12/18/2009 or later FAA-approved revisions	Lycoming Engines	O-235-C1, O-235-C1B, O-235-C2A, O-235-C2C, O-235-F2B, O-235-J2A, O-235-K2A, O-235-K2B, O-235-K2C, O-235-L2A, O-235-L2C, O-235-M1, O-235-N2A, O-235-N2C
Guide-Exhaust Valve, High Chrome	SL11626 P010	LW-11626 P10	Test and Computations per 14 CFR § 21.303, DWG. No: SL11626, Rev: M Date: 12/18/2009 or later FAA-approved revisions	Lycoming Engines	O-235-C1, O-235-C1B, O-235-C2A, O-235-C2C, O-235-F2B, O-235-J2A, O-235-K2A, O-235-K2B, O-235-K2C, O-235-L2A, O-235-L2C, O-235-M1, O-235-N2A, O-235-N2C

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Guide-Exhaust Valve, High Chrome	SL11626 P020	LW-11626 P20	Test and Computations per 14 CFR § 21.303, DWG. No: SL11626, Rev: M Date: 12/18/2009 or later FAA-approved revisions	Lycoming Engines	O-235-C1, O-235-C1B, O-235-C2A, O-235-C2C, O-235-F2B, O-235-J2A, O-235-K2A, O-235-K2B, O-235-K2C, O-235-L2A, O-235-L2C, O-235-M1, O-235-N2A, O-235-N2C
Guide-Exhaust Valve, High Chrome	SL11626 P030	LW-11626 P30	Test and Computations per 14 CFR § 21.303, DWG. No: SL11626, Rev: M Date: 12/18/2009 or later FAA-approved revisions	Lycoming Engines	O-235-C1, O-235-C1B, O-235-C2A, O-235-C2C, O-235-F2B, O-235-J2A, O-235-K2A, O-235-K2B, O-235-K2C, O-235-L2A, O-235-L2C, O-235-M1, O-235-N2A, O-235-N2C
Guide-Exhaust Valve, High Chrome	SL11626 P040	LW-11626 P40	Test and Computations per 14 CFR § 21.303, DWG. No: SL11626, Rev: M Date: 12/18/2009 or later FAA-approved revisions	Lycoming Engines	O-235-C1, O-235-C1B, O-235-C2A, O-235-C2C, O-235-F2B, O-235-J2A, O-235-K2A, O-235-K2B, O-235-K2C, O-235-L2A, O-235-L2C, O-235-M1,

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Guide-Exhaust Valve, High Chrome	SL11626 P040	LW-11626 P40	Test and Computations per 14 CFR § 21.303, DWG. No: SL11626, Rev: M Date: 12/18/2009 or later FAA-approved revisions	Lycoming Engines	O-235-N2A, O-235-N2C
Seat, Intake Valve	SL11900 P005	LW-11900 P05	Test and Computations per 14 CFR § 21.303, DWG. No: SL11900, Rev: E Date: 08/21/1998 or later FAA-approved revisions	Lycoming Engines	O-235-C, O-235-C1, O-235-C1A, O-235-C1B, O-235-C1C, O-235-C2A, O-235-C2B, O-235-C2C, O-235-F1, O-235-F1B, O-235-F2A, O-235-F2B, O-235-G1, O-235-G1B, O-235-G2A, O-235-G2B, O-235-H2C, O-235-J2A, O-235-J2B, O-235-K2A, O-235-K2B, O-235-K2C, O-235-L2A, O-235-L2C, O-235-M1, O-235-M2C, O-235-M3C, O-235-N2A, O-235-N2C

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Seat, Intake Valve	SL11900 P010	LW-11900 P10	Test and Computations per 14 CFR § 21.303, DWG. No: SL11900, Rev: E Date: 08/21/1998 or later FAA-approved revisions	Lycoming Engines	O-235-C, O-235-C1, O-235-C1A, O-235-C1B, O-235-C1C, O-235-C2A, O-235-C2B, O-235-C2C, O-235-F1, O-235-F1B, O-235-F2A, O-235-F2B, O-235-G1, O-235-G1B, O-235-G2A, O-235-G2B, O-235-H2C, O-235-J2A, O-235-J2B, O-235-K2A, O-235-K2B, O-235-K2C, O-235-L2A, O-235-L2C, O-235-M1, O-235-M2C, O-235-M3C, O-235-N2A, O-235-N2C
Seat, Intake Valve	SL11900 P020	LW-11900 P20	Test and Computations per 14 CFR § 21.303, DWG. No: SL11900, Rev: E Date: 08/21/1998 or later FAA-approved revisions	Lycoming Engines	O-235-C, O-235-C1, O-235-C1A, O-235-C1B, O-235-C1C, O-235-C2A, O-235-C2B,

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Seat, Intake Valve	SL11900 P020	LW-11900 P20	Test and Computations per 14 CFR § 21.303, DWG. No: SL11900, Rev: E Date: 08/21/1998 or later FAA-approved revisions	Lycoming Engines	O-235-C2C, O-235-F1, O-235-F1B, O-235-F2A, O-235-F2B, O-235-G1, O-235-G1B, O-235-G2A, O-235-G2B, O-235-H2C, O-235-J2A, O-235-J2B, O-235-K2A, O-235-K2B, O-235-K2C, O-235-L2A, O-235-L2C, O-235-M1, O-235-M2C, O-235-M3C, O-235-N2A, O-235-N2C
Seat, Intake Valve	SL11900 P030	LW-11900 P30	Test and Computations per 14 CFR § 21.303, DWG. No: SL11900, Rev: E Date: 08/21/1998 or later FAA-approved revisions	Lycoming Engines	O-235-C, O-235-C1, O-235-C1A, O-235-C1B, O-235-C1C, O-235-C2A, O-235-C2B, O-235-C2C, O-235-F1, O-235-F1B, O-235-F2A, O-235-F2B, O-235-G1, O-235-G1B, O-235-G2A, O-235-G2B, O-235-H2C, O-235-J2A, O-235-J2B,

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Seat, Intake Valve	SL11900 P030	LW-11900 P30	Test and Computations per 14 CFR § 21.303, DWG. No: SL11900, Rev: E Date: 08/21/1998 or later FAA-approved revisions	Lycoming Engines	O-235-K2A, O-235-K2B, O-235-K2C, O-235-L2A, O-235-L2C, O-235-M1, O-235-M2C, O-235-M3C, O-235-N2A, O-235-N2C
Seat, Exhaust Valve	SL60337 P005	60337 P05	Test and Computations per 14 CFR § 21.303, DWG. No: SL60337, Rev: D Date: 05/05/1999 or later FAA-approved revisions	Lycoming Engines	O-235-C, O-235-C1, O-235-C1A, O-235-C1B, O-235-C1C, O-235-C2A, O-235-C2B, O-235-C2C, O-235-E1, O-235-E1B, O-235-E2A, O-235-E2B, O-235-F1, O-235-F1B, O-235-F2A, O-235-F2B, O-235-G1, O-235-G1B, O-235-G2A, O-235-G2B, O-235-H2C, O-235-J2A, O-235-J2B, O-235-K2A, O-235-K2B, O-235-K2C, O-235-L2A, O-235-L2C, O-235-M1, O-235-M2C, O-235-M3C,

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Seat, Exhaust Valve	SL60337 P005	60337 P05	Test and Computations per 14 CFR § 21.303, DWG. No: SL60337, Rev: D Date: 05/05/1999 or later FAA-approved revisions	Lycoming Engines	O-235-N2A, O-235-N2C
Seat, Exhaust Valve	SL60337 P010	60337 P10	Test and Computations per 14 CFR § 21.303, DWG. No: SL60337, Rev: D Date: 05/05/1999 or later FAA-approved revisions	Lycoming Engines	O-235-C, O-235-C1, O-235-C1A, O-235-C1B, O-235-C1C, O-235-C2A, O-235-C2B, O-235-C2C, O-235-E1, O-235-E1B, O-235-E2A, O-235-E2B, O-235-F1, O-235-F1B, O-235-F2A, O-235-F2B, O-235-G1, O-235-G1B, O-235-G2A, O-235-G2B, O-235-H2C, O-235-J2A, O-235-J2B, O-235-K2A, O-235-K2B, O-235-K2C, O-235-L2A, O-235-L2C, O-235-M1, O-235-M2C, O-235-M3C, O-235-N2A, O-235-N2C

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Seat, Exhaust Valve	SL60337 P020	60337 P20	Test and Computations per 14 CFR § 21.303, DWG. No: SL60337, Rev: D Date: 05/05/1999 or later FAA-approved revisions	Lycoming Engines	O-235-C, O-235-C1, O-235-C1A, O-235-C1B, O-235-C1C, O-235-C2A, O-235-C2B, O-235-C2C, O-235-E1, O-235-E1B, O-235-E2A, O-235-E2B, O-235-F1, O-235-F1B, O-235-F2A, O-235-F2B, O-235-G1, O-235-G1B, O-235-G2A, O-235-G2B, O-235-H2C, O-235-J2A, O-235-J2B, O-235-K2A, O-235-K2B, O-235-K2C, O-235-L2A, O-235-L2C, O-235-M1, O-235-M2C, O-235-M3C, O-235-N2A, O-235-N2C
Seat, Exhaust Valve	SL60337 P030	60337 P30	Test and Computations per 14 CFR § 21.303, DWG. No: SL60337, Rev: D Date: 05/05/1999 or later FAA-approved revisions	Lycoming Engines	O-235-C, O-235-C1, O-235-C1A, O-235-C1B, O-235-C1C, O-235-C2A, O-235-C2B, O-235-C2C,

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Seat, Exhaust Valve	SL60337 P030	60337 P30	Test and Computations per 14 CFR § 21.303, DWG. No: SL60337, Rev: D Date: 05/05/1999 or later FAA-approved revisions	Lycoming Engines	O-235-E1, O-235-E1B, O-235-E2A, O-235-E2B, O-235-F1, O-235-F1B, O-235-F2A, O-235-F2B, O-235-G1, O-235-G1B, O-235-G2A, O-235-G2B, O-235-H2C, O-235-J2A, O-235-J2B, O-235-K2A, O-235-K2B, O-235-K2C, O-235-L2A, O-235-L2C, O-235-M1, O-235-M2C, O-235-M3C, O-235-N2A, O-235-N2C
Piston Ring	SL78862 P010	78862 P10	Test and Computations per 14 CFR § 21.303, DWG. No: SL78862, Rev: K Date: 11/16/1999 or later FAA-approved revisions	Lycoming Engines	O-235-F1, O-235-F1B, O-235 -F2A, O-235-F2B, O-235-G1, O-235-G1B, O-235-G2A, O-235-G2B, O-235-J2A, O-235-J2B, O-235-K2A, O-235-K2B, O-235-K2C, O-235-L2A, O-235-L2C, O-235-M1,

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Piston Ring	SL78862 P010	78862 P10	Test and Computations per 14 CFR § 21.303, DWG. No: SL78862, Rev: K Date: 11/16/1999 or later FAA-approved revisions	Lycoming Engines	O-235-M2C, O-235-M3C, O-235-N2A, O-235-N2C
Piston Ring	SL78864 P010	78864 P10	Test and Computations per 14 CFR § 21.303, DWG. No: SL78864, Rev: C Date: 05/04/2010 or later FAA-approved revisions	Lycoming Engines	O-235-F1, O-235-F1B, O-235 -F2A, O-235 -F2B, O-235-G1, O-235-G1B, O-235-G2A, O-235-G2B, O-235-J2A, O-235-J2B, O-235-K2A, O-235-K2B, O-235-K2C, O-235-L2A, O-235-L2C, O-235-M1, O-235-M2C, O-235-M3C, O-235-N2A, O-235-N2C

----------End of Listing----------

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.

CARLTON N COCHRAN Digitally signed by CARLTON N COCHRAN Date: 2022.12.07 14:35:14 -06'00'

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

CARLTON N COCHRAN Digitally signed by CARLTON N COCHRAN Date: 2022.12.07 14:36:16 -06'00'

Carlton N. Cochran
Manager, Fort Worth MIDO Section, AIR-882
Aviation Safety