



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, TX 76137

MAR 24 2015

Mr. Bill Huang
Engineer
Superior Air Parts, Inc.
621 S. Royal Lane, Suite 100
Coppell, Texas 75019-3877

FEDERAL AVIATION ADMINISTRATION (FAA)-PARTS MANUFACTURER APPROVAL

Dear Mr. Huang:

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, and submitted by Superior Air Parts, Inc., with your letter (FAAL-1656) dated November 21, 2014, 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 75019-3877. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted for production of the replacement articles listed in the enclosed Supplement No. 172, revision 1.

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. 172, revision 1. The enclosed supplement should be retained with the original PMA letter as evidence of approval to produce the articles concerned.

Sincerely,

A handwritten signature in blue ink that reads "Elizabeth C. Campbell".

Elizabeth C. Campbell
Acting Manager, Fort Worth Manufacturing Inspection
District Office

Enclosure
PMA Listing-Supplement No. 172, revision 1.



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. 172
REVISION NO. 1
DATE **MAR 24 2015**

Article Name	Article Number	Approved Replacement For Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Piston Ring. 5.125 X .155. Assembly	SL73998A	P/N 73998 P/N LW-13402 P/N 72454	Test and Computations per 14 CFR §21.303. <u>DWG No:</u> SL73998A. <u>Rev:</u> F. <u>Date:</u> 11/16/11, or later FAA approved revisions.	Lycoming Engines	O-320-A1A. -A1B. -A2A. -A2B. -A2C. -A2D. -A3A. -A3B. -A3C. -B1A. -B1B. -B2A. -B2B. -B2C. -B2D. -B2E. -D1A. -D1B. -D1C. -D1D. -D1F. -D2A. -D2B. -D2C. -D2F. -D2G. -D2H. -D2J. -D3G. -E1A. -E1B. -E1C. -E1F. -E1J. -E2A. -E2B. -E2C. -E2D. -E2F. -E2G. -E2H. -E3D. -E3H. -H2AD. -H3AD IO-320-B1A. -B1C. -B1D. -B1E. -B2A. -D1A. -D1AD. -D1B. -D1C LIO-320-B1A AIO-320-A1B. -B1B. -C1B AEIO-320-D1B. -D2B O-340-A1A. -A2A O-360-A1A. -A1AD. -A1C. -A1D. -A1F. -A1F6. -A1F6D. -A1G. -A1G6. -A1G6D. -A1H. -A1H6. -A1LD. -A1P. -A2A. -A2D. -A2E. -A2F. -A2G. -A2H. -A3A. -A3AD. -A4A. -A4AD. -A4D. -A4G. -A4J. -A4K. -A4M. -A4N. -A4P. -A5AD. -B1A. -B1B. -B2A. -B2B. -B2C. -C1A. -C1C. -C1E. -C1F. -C1G. -C2A. -C2B. -C2C. -C2D. -C2E. -C2F. -C4F. -C4P. -D1A. -D2A. -D2B. -F1A6. -G1A6 HO-360-C1A IO-360-A1A. -A1B. -A1B6. -A1B6D. -A1C. -A1D. -A1D6. -A1D6D. -A2A. -A2B. -A2C. -A3B6. -A3B6D. -A3D6D. -B1A. -B1B. -B1C. -B1D. -B1E. -B1F. -B1F6. -B1G6. -B2E. -B2F. -B2F6. -B4A. -C1A. -C1B. -C1C. -C1C6. -C1D6. -C1E6. -C1E6D. -C1F. -C1G6. -D1A. -J1A6D. -K2A. -L2A. -M1A. -M1B LO-360-A1G6D. -A1H6

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. 172
 REVISION NO. 1
 DATE **MAR 24 2015**

Article Name	Article Number	Approved Replacement For Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Piston Ring. 5.125 X .155. Assembly	SL73998A	P/N 73998 P/N LW-13402 P/N 72454	Test and Computations per 14 CFR §21.303. <u>DWG No:</u> SL73998A. <u>Rev:</u> F. <u>Date:</u> 11/16/11, or later FAA approved revisions.	Lycoming Engines	VO-360-A1A. -A1B. -B1A A1O-360-A1A. -A1B. -B1B H1O-360-A1A. -A1B. -B1A. -B1B. -C1A, -C1B L1O-360-C1E. -C1E6 AEIO-360-A1A. -A1B. -A1B6. -A1D. -A1E. -A1E6. -A2B. -B1B. -B1D. -B1F. -B1F6. -B1G6. -B1H. -B2F. -B2F6. -B4A. -H1A LH1O-360-C1A GO-480-B. -B1. -B1A6. -B1B. -B1C. -B1D. -C1B6. -C1D6. -C2C6. -C2D6. -C2E6. -D1A. -F6. -F1A6. -F2A6. -F2D6. -F3A6. -F3B6. -F4A6. -F4B6. -G1A6. -G1B6. -G1D6. -G1E6. -G1F6. -G1G6. -G1J6. -G2D6. -G2F6 GSO-480-A1A6. -A1C6. -A2A6. -B1A6. -B1B3. -B1B6. -B1C6. -B1E6. -B1F6. -B1G6. -B1J6. -B2C6. -B2D6. -B2G6. -B2H6 IGSO-480-A1A6. -A1B6. -A1C6. -A1D6. -A1E6. -A1F3. -A1F6. -A1G6 O-540-A1A. -A1A5. -A1B5. -A1C5. -A1D. -A1D5. -A2B. -A3D5. -A4A5. -A4B5. -A4C5. -A4D5. -A4E6. -B1A5. -B1B5. -B1D5. -B2A5. -B2B5. -B2C5. -B4A5. -B4B5

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. 172
 REVISION NO. 1
 DATE MAR 24 2015


Article Name	Article Number	Approved Replacement For Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Piston Ring, 5.125 X .155, Assembly	SL73998A	P/N 73998 P/N LW-13402 P/N 72454	Test and Computations per 14 CFR §21.303, <u>DWG No:</u> SL73998A, <u>Rev:</u> F, <u>Date:</u> 11/16/11, or later FAA approved revisions.	Lycoming Engines	IO-540-A1A5, -B1A5, -B1B5, -B1C5, -C1B5, -C1C5, -C2C, -C4B5, -C4B5D, -C4C5, -C4D5, -C4D5D, -E1A5, -E1B5, -E1C5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -K1A5, -K1A5D, -K1B5, -K1B5D, -K1C5, -K1D5, -K1E5, -K1E5D, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1H5, -K1J5, -K1J5D, -K1K5, -K2A5, -L1A5, -L1A5D, -L1B5D, -L1C5, -P1A5, -S1A5 VO-540-A1A, -A2A, -B1A, -B1B, -B1B3, -B1C, -B1D, -B1E, -B1F, -B1H3, -B2A, -B2C, -B2D, -B2E, -B2G, -C1A, -C1B, -C1C3, -C2A, -C2B, -C2C HIO-540-A1A IGO-540-A1A, -A1C, -B1A, -B1C IGSO-540-A1A, -A1C, -A1D, -A1E, -A1H, -B1A, -B1C TIO-540-A1A, -A1B, -A2A, -A2B, -A2C, -F2BD, -J2B, -J2BD, -N2BD, -R2AD, -S1AD LTIO-540-F2BD, -J2B, -J2BD, -N2BD, -R2AD TIVO-540-A1A

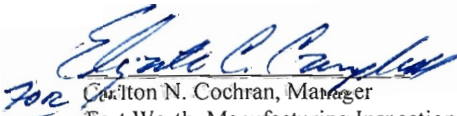
----- END OF DATA -----

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.


 Scott K. Horn, Manager
 Airplane Certification Office
 ASW-150


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