



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

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

AUG 12 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 March 5, 2013, 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. 131, revision 2. 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. 131, 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

Enclosure:  
PMA Listing-Supplement No. 131, revision 2.



U.S. Department  
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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.   131  
REVISION NO.       2  
DATE       July 30, 2014

Article Name	Article Number	Approved Replacement For Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Ring, Piston	SL74241A	P/N 74241	Test and Computations per 14 CFR §21.303, <u>DWG No:</u> SL74241A, <u>Rev:</u> F, <u>Date:</u> 10/31/12, or later FAA approved revisions.	Lycoming Engines	O-320, -A2B, -A2C, -A3B, -B1A, -B1B, -B2A, -B2B, -B2C, -B2D, -B2E, -B3A, -B3B, -B3C, -D1A, -D1B, -D1C, -D1D, -D1F, -D2A, -D2B, -D2C, -D2F, -D2G, -D2J, -D3G, -E2A, -E2B, -E2C, -H1AD, -H1BD, -H2AD, -H2BD, -H3AD, -H3BD  IO-320-B1A, -B1B, -B1C, -B1D, -B1E, -B2A, -C1A, -C1B, -D1A, -D1B, -D1C, -E1A, -E1B, -E2A, -E2B, -F1A  AIO-320-A1A, -A1B, -A2A, -A2B, -B1B, -C1B  LIO-320-B1A, -C1A  AEIO-320-D1B, -D2B, -E1A, -E1B, -E2A, -E2B  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, -C4F, -C4P, -D1A, -D2A, -D2B, -E1AD, -E1A6D, -E1BD, -E2AD, -E2BD, -F1A6, -G1A6, -J2A  HO-360-A1A, -B1A, -B1A, -C1A

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Ring, Piston	SL74241A	P/N 74241	Test and Computations per 14 CFR §21.303, <u>DWG No:</u> SL74241A, <u>Rev:</u> F, <u>Date:</u> 10/31/12, or later FAA approved revisions.	Lycoming Engines	GSO-480-A1A6, -A1C6, -A2A6, -B1A6, -B1B3, -B1B6, -B1C6, -B1E6, -B1F6, -B1G6, -B1J6, -B2C6, -B2D6, -B2G6, -B2H6  ISGO-480-A1A6, -A1B6, -A1C6, -A1D6, -A1E6, -A1F3, -A1F6, -A1G6  O-540-A1A, -A1A5, -A1B5, -A1C5, -A1D, -A1D5, -A2B, -A3D5, -A4A5, -A4B5, -A4C5, -A4D5, -A4E5, -B1A5, -B1B5, -B1D5, -B2A5, -B2B5, -B2C5, -B4A5, -B4B5, -E4A5, -E4B5, -E4C5, -F1A5, -F1B5, -G1A5, -G2A5, -H1A5, -H1A5D, -H1B5D, -H2A5, -H2A5D, -H2B5D, -J1A5D, -J1B5D, -J1C5D, -J1D5D, -J2A5D, -J2B5D, -J2C5D, -J2D5D, -J3A5, -J3A5D, -J3C5D, -L3C5D  IO-540-A1A5, -B1A5, -B1B5, -B1C5, -C1B5, -C1C5, -C2C, -C4B5, -C4B5D, -C4C5, -C4D5, -C4D5D, -D4A5, -D4B5, -D4C5, -E1A5, -E1B5, -E1C5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1B5D, -K1C5, -K1D5, -K1E5, -K1E5D, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1H5, -K1J5, -K1J5D, -K1K5, -K2A5, -L1A5, -L1A5D, -L1B5D, -L1C5, -M1A5, -M1A5D, -M1B5D, -M1C5, -M2A5D, -N1A5, -P1A5, -R1A5, -S1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -U1A5D, -U1B5D, -V4A5, -V4A5D, -W1A5, -W1A5D, -W3A5D, -AA1A5, -AA1B5, -AB1A5, -AC1A5, -AE1A5, -AF1A5  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, -A1B, -A1C, -B1A, -B1B, -B1C

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Ring, Piston	SL74241A P10	P/N 74241 P10	Test and Computations per 14 CFR §21.303, <u>DWG No:</u> SL74241A, <u>Rev:</u> F, <u>Date:</u> 10/31/12, or later FAA approved revisions.	Lycoming Engines	<p>O-320, -A2B, -A2C, -A3B, -B1A, -B1B, -B2A, -B2B, -B2C, -B2D, -B2E, -B3A, -B3B, -B3C, -D1A, -D1B, -D1C, -D1D, -D1F, -D2A, -D2B, -D2C, -D2F, -D2G, -D2J, -D3G, -E2A, -E2B, -E2C, -H1AD, -H1BD, -H2AD, -H2BD, -H3AD, -H3BD</p> <p>IO-320-B1A, -B1B, -B1C, -B1D, -B1E, -B2A, -C1A, -C1B, -D1A, -D1B, -D1C, -E1A, -E1B, -E2A, -E2B, -F1A</p>

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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
Ring, Piston	SL74241A P10	P/N 74241 P10	Test and Computations per 14 CFR §21.303, <u>DWG No:</u> SL74241A, <u>Rev:</u> F, <u>Date:</u> 10/31/12, or later FAA approved revisions.	Lycoming Engines	TIO-541-A1A, -E1A4, -E1B4, -E1C4, -E1D4  TIGO-541-B1A, -C1A, -D1A, -D1B, -E1A, -G1AD  IO-720-A1A, -A1B, -A1BD, -B1A, -B1B, -B1BD, -C1B, -D1B, -D1BD, -D1C, -D1CD
Ring, Piston	SL74241A P20	P/N 74241 P20	Test and Computations per 14 CFR §21.303, <u>DWG No:</u> SL74241A, <u>Rev:</u> F, <u>Date:</u> 10/31/12, or later FAA approved revisions.	Lycoming Engines	O-320, -A2B, -A2C, -A3B, -B1A, -B1B, -B2A, -B2B, -B2C, -B2D, -B2E, -B3A, -B3B, -B3C, -D1A, -D1B, -D1C, -D1D, -D1F, -D2A, -D2B, -D2C, -D2F, -D2G, -D2J, -D3G, -E2A, -E2B, -E2C, -H1AD, -H1BD, -H2AD, -H2BD, -H3AD, -H3BD  IO-320-B1A, -B1B, -B1C, -B1D, -B1E, -B2A, -C1A, -C1B, -D1A, -D1B, -D1C, -E1A, -E1B, -E2A, -E2B, -F1A  AIO-320-A1A, -A1B, -A2A, -A2B, -B1B, -C1B  LIO-320-B1A, -C1A  AEIO-320-D1B, -D2B, -E1A, -E1B, -E2A, -E2B  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, -C4F, -C4P, -D1A, -D2A, -D2B, -E1AD, -E1A6D, -E1BD, -E2AD, -E2BD, -F1A6, -G1A6, -J2A  HO-360-A1A, -B1A, -B1A, -C1A

**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. \_\_\_131  
 REVISION NO. \_\_\_\_\_2  
 DATE July 30, 2014

Article Name	Article Number	Approved Replacement For Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Ring, Piston	SL74241A P20	P/N 74241 P20	Test and Computations per 14 CFR §21.303, <u>DWG No:</u> SL74241A, <u>Rev:</u> F, <u>Date:</u> 10/31/12, or later FAA approved revisions.	Lycoming Engines	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, -E1A, -F1A, -J1AD, -J1A6D, -K2A, -L2A, -M1A, -M1B  LO-360-A1G6D, -A1H6, -E1AD, -E1A6D, -E2AD, -E1BD, -E2BD  TO-360-C1A6D, -E1A6D, -F1A6D  VO-360-A1A, -A1B, -B1A  A1O-360-A1A, -A1B, -A2A, -A2B, -B1B  H1O-360-A1A, -A1B, -B1A, -B1B, -C1A, -C1B, -D1A, -E1AD, -E1BD, -F1AD, -G1A  I1O-360-A1A  L1O-360-C1E6, -M1A  T1O-360-A1A, -A1B, -A3B6, -C1A6D  AE1O-360-A1A, -A1B, -A1B6, -A1C, -A1D, -A1E, -A1E6, -A2A, -A2B, -A2C, -B1B, -B1D, -B1F, -B1F6, -B1G6, -B1H, -B2F, -B2F6, -B4A, -H1A, -H1B  LH1O-360-C1A  GO-480, -B, -B1, -B1A6, -B1B, -B1C, -B1D, -C1B6, -C1D6, -C2C6, -C2D6, -C2E6, -D1A, -F1A6, -F2A6, -F2D6, -F3A6, -F3B6, -F4A6, -F4B6, -F6, -G1A6, -G1B6, -G1D6, -G1E6, -G1F6, -G1G6, -G1J6, -G2D6, -G2F6  I1GO-480-A1A6, -A1B6

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.    131  
 REVISION NO.      2  
 DATE      July 30, 2014

Article Name	Article Number	Approved Replacement For Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Ring, Piston	SL74241A P20	P/N 74241 P20	Test and Computations per 14 CFR §21.303, DWG No: SL74241A, <u>Rev:</u> F, <u>Date:</u> 10/31/12, or later FAA approved revisions.	Lycoming Engines	GSO-480-A1A6, -A1C6, -A2A6, -B1A6, -B1B3, -B1B6, -B1C6, -B1E6, -B1F6, -B1G6, -B1J6, -B2C6, -B2D6, -B2G6, -B2H6  ISGO-480-A1A6, -A1B6, -A1C6, -A1D6, -A1E6, -A1F3, -A1F6, -A1G6  O-540-A1A, -A1A5, -A1B5, -A1C5, -A1D, -A1D5, -A2B, -A3D5, -A4A5, -A4B5, -A4C5, -A4D5, -A4E5, -B1A5, -B1B5, -B1D5, -B2A5, -B2B5, -B2C5, -B4A5, -B4B5, -E4A5, -E4B5, -E4C5, -F1A5, -F1B5, -G1A5, -G2A5, -H1A5, -H1A5D, -H1B5D, -H2A5, -H2A5D, -H2B5D, -J1A5D, -J1B5D, -J1C5D, -J1D5D, -J2A5D, -J2B5D, -J2C5D, -J2D5D, -J3A5, -J3A5D, -J3C5D, -L3C5D  IO-540-A1A5, -B1A5, -B1B5, -B1C5, -C1B5, -C1C5, -C2C, -C4B5, -C4B5D, -C4C5, -C4D5, -C4D5D, -D4A5, -D4B5, -D4C5, -E1A5, -E1B5, -E1C5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1B5D, -K1C5, -K1D5, -K1E5, -K1E5D, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1H5, -K1J5, -K1J5D, -K1K5, -K2A5, -L1A5, -L1A5D, -L1B5D, -L1C5, -M1A5, -M1A5D, -M1B5D, -M1C5, -M2A5D, -N1A5, -P1A5, -R1A5, -S1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -U1A5D, -U1B5D, -V4A5, -V4A5D, -W1A5, -W1A5D, -W3A5D, -AA1A5, -AA1B5, -AB1A5, -AC1A5, -AE1A5, -AF1A5  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, -A1B, -A1C, -B1A, -B1B, -B1C

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SUPERIOR AIR PARTS, INC.  
621 S. Royal Lane, Suite # 100  
Coppell, TX 75019-3805

PMA NO.       PQ0060SW        
SUPPLEMENT NO.   131    
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DATE       July 30, 2014      

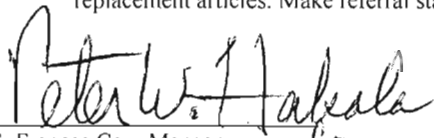
Article Name	Article Number	Approved Replacement For Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Ring, Piston	SL74241A P20	P/N 74241 P20	Test and Computations per 14 CFR §21.303, <u>DWG No:</u> SL74241A, <u>Rev:</u> F, <u>Date:</u> 10/31/12, or later FAA approved revisions.	Lycoming Engines	IVO-540-A1A  TIO-540-A1A, -A1B, -A1C, -A2A, -A2B, -A2C, -C1A, -E1A, -F2BD, -G1A, -H1A, -J2B, -J2BD, -K1AD, -N2BD, -R2AD, -S1AD, -T2AD, -U2A, -V2AD, -W2A, -AA1AD, -AB1AD, -AB1BD, -AE2A, -AF1A, -AF1B, -AG1A, -AH1A, -AJ1A, -AK1A  TVO-540-A1A  AEIO-540-D4A5, -D4B5, -D4C5, -D4D5, -L1B5, -L1B5D, -L1D5  IGSO-540-A1A, -A1C, -A1D, -A1E, -A1F, -A1H, -B1A, -B1C  LTIO-540-F2BD, -J2B, -J2BD, -K1AD, -N2BD, -R2AD, -U2A, -V2AD, -W2A  TIVO-540-A2A  TIO-541-A1A, -E1A4, -E1B4, -E1C4, -E1D4  TIGO-541-B1A, -C1A, -D1A, -D1B, -E1A, -G1AD  IO-720-A1A, -A1B, -A1BD, -B1A, -B1B, -B1BD, -C1B, -D1B, -D1BD, -D1C, -D1CD


----- 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.

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

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