



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, Texas 76137

April 15, 2011

Superior Air Parts, Inc.
621 S. Royal Lane, Suite 100
Coppell, Texas 75019

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

In accordance with the provisions of Title 14, Code of Federal Regulations (14 CFR), Part 21, Certification Procedures for Products 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 14, 2011 (FAAL-1390) meet the airworthiness requirements of the regulations applicable to the products on which the parts are to be installed. Additionally, the FAA has determined that Superior Air Parts, Inc., has established the fabrication inspection system required by § 21.303(h) at 621 S. Royal Lane, Suite 100, Coppell, Texas 75019. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted for production of the replacement parts listed in the enclosed Supplement No. 64, revision 1. Supplement No. 64, revision 1, dated April 15, 2011, updates Supplement No. 64 dated August 2, 1984. The purpose of the revision is to include over-sized parts, not previously listed on Supplement No. 64. Supplement No. 64 remains in effect.

You are reminded that the provisions of 14 CFR, Parts 21 and 45, noted in our PMA letter of approval dated March 30, 2006, also apply to the enclosed PMA Listing-Supplement No. 64, revision 1. The enclosed supplement should be retained with the original PMA letter as evidence of approval to produce the parts concerned.

Sincerely,

A handwritten signature in blue ink that reads "Carlton N. Cochran".

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

Enclosure
PMA Supplement No. 64, 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. 64
REVISION 1
DATE April 15, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Bushing, Crankshaft	SL73810	LW73810	Test and Computations per 14 CFR § 21.303, <u>DWG No: SL73810,</u> <u>Rev: G</u> <u>Date: 05/29/2008 or later</u> FAA-approved revisions	Lycoming Engines	AEIO-360-A1B6, -A1D, -A1F IO-360-A1B6, -A1B6D, -A1D6, -A3B6D, -B2F6, -C1C6, -C1E6 LO-360-E1A6D LTO-360-C1E6 O-360-A1F6, -A1F6D, -A1G6, -A1G6D, -E1A6D TO-360-E1A6D GO-480-B1A6, -B1B, -B1C, -B1D, -C1D6, -C2D6, -C2E6, -F2D6, -F3A6, -F4A6, -G1A6, -G1B6, -G1D6, -G1H6, -G1J6, -G2D6, -G2F6, -G1E6 GSO-480-A1A6, -A2A6, -B1A6, -N1B6, -B1C6, -B1E6, -B1J6, -B2D6, -B2G6, -B2H6 IGSO-480-A1A6, -A1B6, -A1C6, -A1E6, -A1F6 IO-540-A1A5, -B1A5, -B1B5, -B1C5, -C1B5, -C4B5, -C4C5, -C2C, -D4A5, -D4B5, -D4C5, -E1A5, -E1B5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1C5, -K1D5, -K1E5, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1J5, -K1J5D, -M1A5, -N1A5, -P1A5, -R1A5, -S1A5, -T4A5D, -T4B5D, -AA1A5, -M1B5D IGO-540-A1A, -B1A, -B1C IGSO-540-A1A, -A1C, -A1D, -A1E, -A1H, -B1A, -B1C LTIO-540-J2BD, -R2AD O-540-A1A, -A1A5, -A4A5, -A1B5, -A1C5, -A1D, -A1D5, -A4D5, -A2B, -A3D5, -B1D5, -B1B5, -B4B5, -B2B5, -B2C5, -E4A5, -A4B5, -E4C5, -F1A5, -F1B5, -G1A5, -G2A5, -H2A5, -H1A5D, -H1B5D, -H2A5D, -H1B5D, -H2A5, -H2A5D, -J1A5D, -J3A5D, -J1C5D, -J3C5D, -L3C5D TIO-540-A1A, -A1B, -A2A, -A2B, -A1C, -A2C, -C1A, -E1A, -G1A, -H1A, -J2BD, -R2AD -S1AD

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

PMA NO. PQ0060SW
SUPPLEMENT NO. 64
REVISION 1
DATE April 15, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Bushing, Crankshaft	SL73810 P05	LW73810 P05	Test and Computations per 14 CFR § 21.303, <u>DWG No: SL73810, Rev: G Date: 05/29/2008 or later</u> FAA-approved revisions	Lycoming Engines	AEIO-360-A1B6, -A1D, -A1F IO-360-A1B6, -A1B6D, -A1D6, -A3B6D, -B2F6, -C1C6, -C1E6 LO-360-E1A6D LTO-360-C1E6 O-360-A1F6, -A1F6D, -A1G6, -A1G6D, -E1A6D TO-360-E1A6D GO-480-B1A6, -B1B, -B1C, -B1D, -C1D6, -C2D6, -C2E6, -F2D6, -F3A6, -F4A6, -G1A6, -G1B6, -G1D6, -G1H6, -G1J6, -G2D6, -G2F6, -G1E6 GSO-480-A1A6, -A2A6, -B1A6, -N1B6, -B1C6, -B1E6, -B1J6, -B2D6, -B2G6, -B2H6 IGSO-480-A1A6, -A1B6, -A1C6, -A1E6, -A1F6 IO-540-A1A5, -B1A5, -B1B5, -B1C5, -C1B5, -C4B5, -C4C5, -C2C, -D4A5, -D4B5, -D4C5, -E1A5, -E1B5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1C5, -K1D5, -K1E5, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1J5, -K1J5D, -M1A5, -N1A5, -P1A5, -R1A5, -S1A5, -T4A5D, -T4B5D, -AA1A5, -M1B5D IGO-540-A1A, -B1A, -B1C IGSO-540-A1A, -A1C, -A1D, -A1E, -A1H, -B1A, -B1C LTIO-540-J2BD, -R2AD O-540-A1A, -A1A5, -A4A5, -A1B5, -A1C5, -A1D, -A1D5, -A4D5, -A2B, -A3D5, -B1D5, -B1B5, -B4B5, -B2B5, -B2C5, -E4A5, -A4B5, -E4C5, -F1A5, -F1B5, -G1A5, -G2A5, -H2A5, -H1A5D, -H1B5D, -H2A5D, -H1B5D, -H2A5, -H2A5D, -J1A5D, -J3A5D, -J1C5D, -J3C5D, -L3C5D TIO-540-A1A, -A1B, -A2A, -A2B, -A1C, -A2C, -C1A, -E1A, -G1A, -H1A, -J2BD, -R2AD -S1AD

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 621 S. Royal Lane, Suite # 100
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PMA NO. PQ0060SW
 SUPPLEMENT NO. 64
 REVISION 1
 DATE April 15, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Bushing, Crankshaft	SL73810 P075	LW73810 P75	Test and Computations per 14 CFR § 21.303, <u>DWG No: SL73810, Rev: G Date: 05/29/2008 or later FAA-approved revisions</u>	Lycoming Engines	AEIO-360-A1B6, -A1D, -A1F IO-360-A1B6, -A1B6D, -A1D6, -A3B6D, -B2F6, -C1C6, -C1E6 LO-360-E1A6D LTO-360-C1E6 O-360-A1F6, -A1F6D, -A1G6, -A1G6D, -E1A6D TO-360-E1A6D GO-480-B1A6, -B1B, -B1C, -B1D, -C1D6, -C2D6, -C2E6, -F2D6, -F3A6, -F4A6, -G1A6, -G1B6, -G1D6, -G1H6, -G1J6, -G2D6, -G2F6, -G1E6 GSO-480-A1A6, -A2A6, -B1A6, -N1B6, -B1C6, -B1E6, -B1J6, -B2D6, -B2G6, -B2H6 IGSO-480-A1A6, -A1B6, -A1C6, -A1E6, -A1F6 IO-540-A1A5, -B1A5, -B1B5, -B1C5, -C1B5, -C4B5, -C4C5, -C2C, -D4A5, -D4B5, -D4C5, -E1A5, -E1B5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1C5, -K1D5, -K1E5, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1J5, -K1J5D, -M1A5, -N1A5, -P1A5, -R1A5, -S1A5, -T4A5D, -T4B5D, -A1A5, -M1B5D IGO-540-A1A, -B1A, -B1C IGSO-540-A1A, -A1C, -A1D, -A1E, -A1H, -B1A, -B1C LTIO-540-J2BD, -R2AD O-540-A1A, -A1A5, -A4A5, -A1B5, -A1C5, -A1D, -A1D5, -A4D5, -A2B, -A3D5, -B1D5, -B1B5, -B4B5, -B2B5, -B2C5, -E4A5, -A4B5, -E4C5, -F1A5, -F1B5, -G1A5, -G2A5, -H2A5, -H1A5D, -H1B5D, -H2A5D, -H1B5D, -H2A5, -H2A5D, -J1A5D, -J3A5D, -J1C5D, -J3C5D, -L3C5D TIO-540-A1A, -A1B, -A2A, -A2B, -A1C, -A2C, -C1A, -E1A, -G1A, -H1A, -J2BD, -R2AD -S1AD

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621 S. Royal Lane, Suite # 100
Coppell, TX 75019-3805

PMA NO. PQ0060SW
SUPPLEMENT NO. 64
REVISION 1
DATE April 15, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Bushing, Crankshaft	SL73810 P10	LW73810 P10	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SL73810, <u>Rev:</u> G <u>Date:</u> 05/29/2008 or later FAA-approved revisions	Lycoming Engines	AEIO-360-A1B6, -A1D, -A1F IO-360-A1B6, -A1B6D, -A1D6, -A3B6D, -B2F6, -C1C6, -C1E6 LO-360-E1A6D LTO-360-C1E6 O-360-A1F6, -A1F6D, -A1G6, -A1G6D, -E1A6D TO-360-E1A6D GO-480-B1A6, -B1B, -B1C, -B1D, -C1D6, -C2D6, -C2E6, -F2D6, -F3A6, -F4A6, -G1A6, -G1B6, -G1D6, -G1H6, -G1J6, -G2D6, -G2F6, -G1E6 GSO-480-A1A6, -A2A6, -B1A6, -N1B6, -B1C6, -B1E6, -B1J6, -B2D6, -B2G6, -B2H6 IGSO-480-A1A6, -A1B6, -A1C6, -A1E6, -A1F6 IO-540-A1A5, -B1A5, -B1B5, -B1C5, -C1B5, -C4B5, -C4C5, -C2C, -D4A5, -D4B5, -D4C5, -E1A5, -E1B5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1C5, -K1D5, -K1E5, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1J5, -K1J5D, -M1A5, -N1A5, -P1A5, -R1A5, -S1A5, -T4A5D, -T4B5D, -AA1A5, -M1B5D IGO-540-A1A, -B1A, -B1C IGSO-540-A1A, -A1C, -A1D, -A1E, -A1H, -B1A, -B1C LTIO-540-J2BD, -R2AD O-540-A1A, -A1A5, -A4A5, -A1B5, -A1C5, -A1D, -A1D5, -A4D5, -A2B, -A3D5, -B1D5, -B1B5, -B4B5, -B2B5, -B2C5, -E4A5, -A4B5, -E4C5, -F1A5, -F1B5, -G1A5, -G2A5, -H2A5, -H1A5D, -H1B5D, -H2A5D, -H1B5D, -H2A5, -H2A5D, -J1A5D, -J3A5D, -J1C5D, -J3C5D, -L3C5D TIO-540-A1A, -A1B, -A2A, -A2B, -A1C, -A2C, -C1A, -E1A, -G1A, -H1A, -J2BD, -R2AD -S1AD

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 Coppell, TX 75019-3805

PMA NO. PQ0060SW
 SUPPLEMENT NO. 64
 REVISION 1
 DATE April 15, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Bushing, Crankshaft	SL73810 P125	LW73810 P125	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SL73810, <u>Rev:</u> G <u>Date:</u> 05/29/2008 or later FAA-approved revisions	Lycoming Engines	AEIO-360-A1B6, -A1D, -A1F IO-360-A1B6, -A1B6D, -A1D6, -A3B6D, -B2F6, -C1C6, -C1E6 LO-360-E1A6D LTO-360-C1E6 O-360-A1F6, -A1F6D, -A1G6, -A1G6D, -E1A6D TO-360-E1A6D GO-480-B1A6, -B1B, -B1C, -B1D, -C1D6, -C2D6, -C2E6, -F2D6, -F3A6, -F4A6, -G1A6, -G1B6, -G1D6, -G1H6, -G1J6, -G2D6, -G2F6, -G1E6 GSO-480-A1A6, -A2A6, -B1A6, -N1B6, -B1C6, -B1E6, -B1J6, -B2D6, -B2G6, -B2H6 IGSO-480-A1A6, -A1B6, -A1C6, -A1E6, -A1F6 IO-540-A1A5, -B1A5, -B1B5, -B1C5, -C1B5, -C4B5, -C4C5, -C2C, -D4A5, -D4B5, -D4C5, -E1A5, -E1B5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1C5, -K1D5, -K1E5, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1J5, -K1J5D, -M1A5, -N1A5, -P1A5, -R1A5, -S1A5, -T4A5D, -T4B5D, -AA1A5, -M1B5D IGO-540-A1A, -B1A, -B1C IGSO-540-A1A, -A1C, -A1D, -A1E, -A1H, -B1A, -B1C LTIO-540-J2BD, -R2AD O-540-A1A, -A1A5, -A4A5, -A1B5, -A1C5, -A1D, -A1D5, -A4D5, -A2B, -A3D5, -B1D5, -B1B5, -B4B5, -B2B5, -B2C5, -E4A5, -A4B5, -E4C5, -F1A5, -F1B5, -G1A5, -G2A5, -H2A5, -H1A5D, -H1B5D, -H2A5D, -H1B5D, -H2A5, -H2A5D, -J1A5D, -J3A5D, -J1C5D, -J3C5D, -L3C5D TIO-540-A1A, -A1B, -A2A, -A2B, -A1C, -A2C, -C1A, -E1A, -G1A, -H1A, -J2BD, -R2AD -S1AD

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Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Bushing, Crankshaft	SL73810 P15	LW73810 P15	Test and Computations per 14 CFR § 21.303, <u>DWG No: SL73810, Rev: G Date: 05/29/2008 or later</u> FAA-approved revisions	Lycoming Engines	AEIO-360-A1B6, -A1D, -A1F IO-360-A1B6, -A1B6D, -A1D6, -A3B6D, -B2F6, -C1C6, -C1E6 LO-360-E1A6D LTO-360-C1E6 O-360-A1F6, -A1F6D, -A1G6, -A1G6D, -E1A6D TO-360-E1A6D GO-480-B1A6, -B1B, -B1C, -B1D, -C1D6, -C2D6, -C2E6, -F2D6, -F3A6, -F4A6, -G1A6, -G1B6, -G1D6, -G1H6, -G1J6, -G2D6, -G2F6, -G1E6 GSO-480-A1A6, -A2A6, -B1A6, -N1B6, -B1C6, -B1E6, -B1J6, -B2D6, -B2G6, -B2H6 IGSO-480-A1A6, -A1B6, -A1C6, -A1E6, -A1F6 IO-540-A1A5, -B1A5, -B1B5, -B1C5, -C1B5, -C4B5, -C4C5, -C2C, -D4A5, -D4B5, -D4C5, -E1A5, -E1B5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1C5, -K1D5, -K1E5, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1J5, -K1J5D, -M1A5, -N1A5, -P1A5, -R1A5, -S1A5, -T4A5D, -T4B5D, -AA1A5, -M1B5D IGO-540-A1A, -B1A, -B1C IGSO-540-A1A, -A1C, -A1D, -A1E, -A1H, -B1A, -B1C LTIO-540-J2BD, -R2AD

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Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Bushing, Crankshaft	SL73810 P15	LW73810 P15	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> SL73810, <u>Rev:</u> G <u>Date:</u> 05/29/2008 or later FAA-approved revisions	Lycoming Engines	O-540-A1A, -A1A5, -A4A5, -A1B5, -A1C5, -A1D, -A1D5, -A4D5, -A2B, -A3D5, -B1D5, -B1B5, -B4B5, -B2B5, -B2C5, -E4A5, -A4B5, -E4C5, -F1A5, -F1B5, -G1A5, -G2A5, -H2A5, -H1A5D, -H1B5D, -H2A5D, -H1B5D, -H2A5, -H2A5D, -J1A5D, -J3A5D, -J1C5D, -J3C5D, -L3C5D TIO-540-A1A, -A1B, -A2A, -A2B, -A1C, -A2C, -C1A, -E1A, -G1A, -H1A, -J2BD, -R2AD -S1AD
-----End of Listing-----					

NOTE:

- 1) Provide minor design changes in a manner as determined by the ACO. Handle major design changes to drawings and specifications in the same manner as that for an original FAA-PMA.
- 2) The FAA approved ICA for the above parts with their designs. These ICA may refer to those of the respective parts from the holders of type certificates. Otherwise, provide supplemental ICA for differences in the replacement parts. Make referral statements or supplemental ICA readily available per 14 CFR 21.50.
- 3) Supplement 64, revision 1, dated April 15, 2011, updates Supplement 64, dated August 2, 1984. The purpose of the revision is to include over-sized parts, not previously listed on Supplement 64. Supplement 64 dated August 2, 1984, remains in effect.


 S. Frances Cox
 Manager, Special Aircraft Certification Office
 ASW-190


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