



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

March 22, 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 Federal Aviation Administration (FAA) has found that the design data, based on Test and Computation submitted by Superior Air Parts, Inc., with your letter dated March 9, 2011, 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. 125, revision 1. Supplement No. 125, revision 1, dated March 22, 2011, updates Supplement No. 125, dated May 20, 1994. The purpose of the revision is to include over-sized and under-sized parts, not previously listed on Supplement No. 125. Supplement No. 125, revision 1, replaces Supplement No. 125.

You are reminded that the provisions of 14 CFR, Parts 21 and 45, noted in our PMA letter of approval dated January 26, 1994, also apply to the enclosed PMA Listing-Supplement No. 125, 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, appearing to read "Carlton N. Cochran".

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

Enclosure
PMA Supplement No. 125, 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. 125
REVISION 1
DATE March 22, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Bearing, Crankshaft	SL10124	LW10124	Test and Computations per 14CFR-§ 21.303, DWG No: SL10124, Rev: E Date: 02/05/2007 or later FAA-approved revisions	Lycoming Engines	AIO-320-B1B IO-320-B1A, -B1C, -D1A, -D1B, -E1A, -E2A, -E2B LIO-320-B1A O-320-A2A, -A2B, -A2C, -A3A, -A3C, -B2A, -B2B, -B2C, -B3A, -B3B, -B3C, -D1A, -D1D, -D1F, -D2A, -D2B, -D2C, -D2G, -D2J, -D3G, -E1A, -E2A, -E2B, -E2C, -E2D AEIO-360-B1G6, -H1A HIO-360-B1A, -D1A, -E1AD, -E1B6 VO-435-A1B, -A1C, -A1D, -A1E, -A1F TVO-435-A1A, -B1A IGO-540-A1A, -A1C, -B1A, -B1C IGSO-540-A1A, -A1C, -A1D, -A1E, -A1H, -B1A, -B1C IO-540-C4B5, -D4A5, -G1D5, -T4A5D, -T4B5D O-540-B2B5, -B2C5, -B4B5, -E4A5, -E4B5, -E4C5 TIO-541-A1A IO-720-A1A, -A1B, -B1B, -C1B, -D1B

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 Coppell, TX 75019-3805

PMA NO. PQ0060SW
 SUPPLEMENT NO. 125
 REVISION 1
 DATE March 22, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Bearing, Crankshaft	SL10124 M03	LW10124 M03	Test and Computations per 14CFR § 21.303, <u>DWG No:</u> SL10124, <u>Rev:</u> E <u>Date:</u> 02/05/2007 or later FAA-approved revisions	Lycoming Engines	AIO-320-B1B IO-320-B1A, -B1C, -D1A, -D1B, -E1A, -E2A, -E2B LIO-320-B1A O-320-A2A, -A2B, -A2C, -A3A, -A3C, -B2A, -B2B, -B2C, -B3A, -B3B, -B3C, -D1A, -D1D, -D1F, -D2A, -D2B, -D2C, -D2G, -D2J, -D3G, -E1A, -E2A, -E2B, -E2C, -E2D AEIO-360-B1G6, -H1A HIO-360-B1A, -D1A, -E1AD, -E1B6 VO-435-A1B, -A1C, -A1D, -A1E, -A1F TVO-435-A1A, -B1A IGO-540-A1A, -A1C, -B1A, -B1C IGSO-540-A1A, -A1C, -A1D, -A1E, -A1H, -B1A, -B1C IO-540-C4B5, -D4A5, -G1D5, -T4A5D, -T4B5D O-540-B2B5, -B2C5, -B4B5, -E4A5, -E4B5, -E4C5 TIO-541-A1A IO-720-A1A, -A1B, -B1B, -C1B, -D1B

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

PMA NO. PQ0060SW
 SUPPLEMENT NO. 125
 REVISION 1
 DATE March 22, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Bearing, Crankshaft	SL10124 M06	LW10124 M06	Test and Computations per 14CFR § 21.303, <u>DWG No:</u> SL10124, <u>Rev:</u> E <u>Date:</u> 02/05/2007 or later FAA-approved revisions	Lycoming Engines	AIO-320-B1B IO-320-B1A, -B1C, -D1A, -D1B, -E1A, -E2A, -E2B LIO-320-B1A O-320-A2A, -A2B, -A2C, -A3A, -A3C, -B2A, -B2B, -B2C, -B3A, -B3B, -B3C, -D1A, -D1D, -D1F, -D2A, -D2B, -D2C, -D2G, -D2J, -D3G, -E1A, -E2A, -E2B, -E2C, -E2D AEIO-360-B1G6, -H1A HIO-360-B1A, -D1A, -E1AD, -E1B6 VO-435-A1B, -A1C, -A1D, -A1E, -A1F TVO-435-A1A, -B1A IGO-540-A1A, -A1C, -B1A, -B1C IGSO-540-A1A, -A1C, -A1D, -A1E, -A1H, -B1A, -B1C IO-540-C4B5, -D4A5, -G1D5, -T4A5D, -T4B5D O-540-B2B5, -B2C5, -B4B5, -E4A5, -E4B5, -E4C5 TIO-541-A1A IO-720-A1A, -A1B, -B1B, -C1B, -D1B

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PMA NO. PQ0060SW
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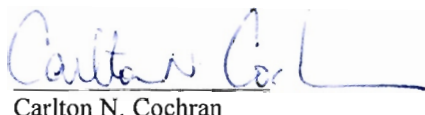
Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Bearing, Crankshaft	SL10124 M10	LW10124 M10	Test and Computations per 14CFR § 21.303, <u>DWG No:</u> SL10124, <u>Rev:</u> E <u>Date:</u> 02/05/2007 or later FAA-approved revisions	Lycoming Engines	AIO-320-B1B IO-320-B1A, -B1C, -D1A, -D1B, -E1A, -E2A, -E2B LIO-320-B1A O-320-A2A, -A2B, -A2C, -A3A, -A3C, -B2A, -B2B, -B2C, -B3A, -B3B, -B3C, -D1A, -D1D, -D1F, -D2A, -D2B, -D2C, -D2G, -D2J, -D3G, -E1A, -E2A, -E2B, -E2C, -E2D AEIO-360-B1G6, -H1A HHO-360-B1A, -D1A, -E1AD, -E1B6 VO-435-A1B, -A1C, -A1D, -A1E, -A1F TVO-435-A1A, -B1A IGO-540-A1A, -A1C, -B1A, -B1C IGSO-540-A1A, -A1C, -A1D, -A1E, -A1H, -B1A, -B1C IO-540-C4B5, -D4A5, -G1D5, -T4A5D, -T4B5D O-540-B2B5, -B2C5, -B4B5, -E4A5, -E4B5, -E4C5 TIO-541-A1A IO-720-A1A, -A1B, -B1B, -C1B, -D1B

-----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 125, revision 1, dated March 22, 2011, updates Supplement 125, dated May 20, 1994. The purpose of the revision is to include over-sized and under-sized parts, not previously listed on Supplement 125. Supplement 125, revision 1, replaces Supplement 125.


S. Frances Cox
Manager, Special Aircraft Certification Office
ASW-190
MAR 22, 2011


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