



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 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 Computation, submitted by Superior Air Parts, Inc., with your letter dated March 8, 2011, meets 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. 184, revision 1 dated March 15, 2011. Supplement No. 184 dated September 6, 2002, 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. 184, revision 1. The enclosed supplement should be retained with the original PMA letter as evidence of approval to produce the parts concerned.

Sincerely,

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

Enclosure
PMA Listing-Supplement No. 184, revision 1



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**Federal Aviation
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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. 184
REVISION 1
DATE March 15, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Bearing, Crankshaft, Front	SL13884A	LW-13884, 77044	Test and Computations per 14CFR § 21.303, <u>DWG No:</u> SL13884A, <u>Rev:</u> C <u>Date:</u> 04/14/2010 or later FAA-approved revisions	Lycoming Engines	O-235-P2A AIO-320-B1B, -C1B IO-320-B1A, -B1C, -C1A, -D1A, -D1B, -E1A, -E1B, -E2A LIO-320-B1A, -C1A O-320-A2A, -A2B, -A2C, -A3A, -A3B, -A3C, -B2A, -B2B, -B2C, -B3A, -B3B, -B3C, -D1A, -D1D, -D1F, -D1A, -D2B, -D2C, -D2G, -D2J, -D3G, -E1A, -E1F, -E2A, -E2B, -E2C, -E2D, -E2F AEIO-360-A1E, -B1G6, H1A AIO-360-A1A, -A1B, -B1B HIO-360-A1A, -B1A, -C1A, -C1B, -D1A, -E1AD, -E1BD LIO-360-C1E6 IO-360-A1A, -A1B, -A1B6, -A1C, -A1D, -A1D6, -A2A, -A2B, -A3B6D, -B1A, -B1B, -B1D, -B1E, -B1F, -B1G6, -B2F, -B2F6, -B4A, -C1A, -C1B, -C1C, -C1C6, -C1D6, -C1E6, -C1F, -J1A6D, -L2A, -M1A HO-360-B1A, -B1B, -C1A LO-360-A1G6D, -A1H6 O-360-A1A, -A1AD, -A1C, -A1D, -A1F6, -A1F6D, -A1G6, -A1G6D, -A1H6, -A1LD, -A1P, -A2A, -A2D, -A2E, -A2F, -A2G, -A3A, -A3AD, -A4A, -A4G, -A4J, -A4K, -A4M, -A4N, -A4P, -A5AD, -B2A, -B2C, -C1A, -C1C, -C1E, -C1F, -C1G, -C2A, -C2C, -C2D, -C2E, -C4F, -C4P, -D2A, -D2B, -F1A6, -J2A, -L2A, -M1A, TIO-360-A1B TO-360-C1A6D

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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, Front	SL13884A	LW-13884, 77044	Test and Computations per 14CFR § 21.303, <u>DWG No:</u> SL13884A, <u>Rev:</u> C <u>Date:</u> 04/14/2010 or later FAA-approved revisions	Lycoming Engines	AEIO-540-D4A5, D4B5 IO-540-AB1A5, -A1A5, -B1A5, -B1C5, -C1B5, -C4B5, -C4C5, -C4D5D, -D4A5, -E1A5, -E1B5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -N1A5, -P1A5, -R1A5, -T4A5D, -T4B5D, -W1A5, -W1A5D, -W3A5D O-540-A1A, -A1A5, -A1B5, -A1C5, -A1D, -A1D5, -A2B, -A3D5, -B1A5, -B1B5, -B2B5, -B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -J1A5D, -J3A5, -J3A5D, -J3C5D, -L3C5D, -H1B5D, -H2B5D TIO-540-AA1AD, -AE2A, -AF1A, -AG1A, -C1A, -E1A, -G1A, -H1A, -S1AD

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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, Front	SL13884A-M03	LW-13884 M03, 77044 M03	Test and Computations per 14CFR § 21.303, <u>DWG No:</u> SL13884A, <u>Rev:</u> C <u>Date:</u> 04/14/2010 or later FAA-approved revisions	Lycoming Engines	O-235-P2A AIO-320-B1B, -C1B IO-320-B1A, -B1C, -C1A, -D1A, -D1B, -E1A, -E1B, -E2A LIO-320-B1A, -C1A O-320-A2A, -A2B, -A2C, -A3A, -A3B, -A3C, -B2A, -B2B, -B2C, -B3A, -B3B, -B3C, -D1A, -D1D, -D1F, -D1A, -D2B, -D2C, -D2G, -D2J, -D3G, -E1A, -E1F, -E2A, -E2B, -E2C, -E2D, -E2F AEIO-360-A1E, -B1G6, -H1A AIO-360-A1A, -A1B, -B1B HIO-360-A1A, -B1A, -C1A, -C1B, -D1A, -E1AD, -E1BD LIO-360-C1E6 IO-360-A1A, -A1B, -A1B6, -A1C, -A1D, -A1D6, -A2A, -A2B, -A3B6D, -B1A, -B1B, -B1D, -B1E, -B1F, -B1G6, -B2F, -B2F6, -B4A, -C1A, -C1B, -C1C, -C1C6, -C1D6, -C1E6, -C1F, -J1A6D, -L2A, -M1A HO-360-B1A, -B1B, -C1A LO-360-A1G6D, -A1H6 O-360-A1A, -A1AD, -A1C, -A1D, -A1F6, -A1F6D, -A1G6, -A1G6D, -A1H6, -A1LD, -A1P, -A2A, -A2D, -A2E, -A2F, -A2G, -A3A, -A3AD, -A4A, -A4G, -A4J, -A4K, -A4M, -A4N, -A4P, -A5AD, -B2A, -B2C, -C1A, -C1C, -C1E, -C1F, -C1G, -C2A, -C2C, -C2D, -C2E, -C4F, -C4P, -D2A, -D2B, -F1A6, -J2A, -L2A, -M1A, TIO-360-A1B TO-360-C1A6D

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Bearing, Crankshaft, Front	SL13884A-M03	LW-13884 M03, 77044 M03	Test and Computations per 14CFR § 21.303, <u>DWG No:</u> SL13884A, <u>Rev:</u> C <u>Date:</u> 04/14/2010 or later FAA-approved revisions	Lycoming Engines	AEIO-540-D4A5, D4B5 IO-540-AB1A5, -A1A5, -B1A5, -B1C5, -C1B5, -C4B5, -C4C5, -C4D5D, -D4A5, -E1A5, -E1B5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -N1A5, -P1A5, -R1A5, -T4A5D, -T4B5D, -W1A5, -W1A5D, -W3A5D O-540-A1A, -A1A5, -A1B5, -A1C5, -A1D, -A1D5, -A2B, -A3D5, -B1A5, -B1B5, -B2B5, -B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -J1A5D, -J3A5, -J3A5D, -J3C5D, -L3C5D, -H1B5D, -H2B5D TIO-540-AA1AD, -AE2A, -AF1A, -AG1A, -C1A, -E1A, -G1A, -H1A, -S1AD

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Bearing, Crankshaft, Front	SL13884A-M06	LW-13884 M06, 77044 M06	Test and Computations per 14CFR § 21.303, <u>DWG No:</u> SL13884A, <u>Rev:</u> C <u>Date:</u> 04/14/2010 or later FAA-approved revisions	Lycoming Engines	O-235-P2A AIO-320-B1B, -C1B IO-320-B1A, -B1C, -C1A, -D1A, -D1B, -E1A, -E1B, -E2A LIO-320-B1A, -C1A O-320-A2A, -A2B, -A2C, -A3A, -A3B, -A3C, -B2A, -B2B, -B2C, -B3A, -B3B, -B3C, -D1A, -D1D, -D1F, -D1A, -D2B, -D2C, -D2G, -D2J, -D3G, -E1A, -E1F, -E2A, -E2B, -E2C, -E2D, -E2F AEIO-360-A1E, -B1G6, -H1A AIO-360-A1A, -A1B, -B1B HIO-360-A1A, -B1A, -C1A, -C1B, -D1A, -E1AD, -E1BD LIO-360-C1E6 IO-360-A1A, -A1B, -A1B6, -A1C, -A1D, -A1D6, -A2A, -A2B, -A3B6D, -B1A, -B1B, -B1D, -B1E, -B1F, -B1G6, -B2F, -B2F6, -B4A, -C1A, -C1B, -C1C, -C1C6, -C1D6, -C1E6, -C1F, -J1A6D, -L2A, -M1A HO-360-B1A, -B1B, -C1A LO-360-A1G6D, -A1H6 O-360-A1A, -A1AD, -A1C, -A1D, -A1F6, -A1F6D, -A1G6, -A1G6D, -A1H6, -A1LD, -A1P, -A2A, -A2D, -A2E, -A2F, -A2G, -A3A, -A3AD, -A4A, -A4G, -A4J, -A4K, -A4M, -A4N, -A4P, -A5AD, -B2A, -B2C, -C1A, -C1C, -C1E, -C1F, -C1G, -C2A, -C2C, -C2D, -C2E, -C4F, -C4P, -D2A, -D2B, -F1A6, -J2A, -L2A, -M1A, TIO-360-A1B TO-360-C1A6D

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Bearing, Crankshaft, Front	SL13884A-M10	LW-13884 M10, 77044 M10	Test and Computations per 14CFR § 21.303, <u>DWG No:</u> SL13884A, <u>Rev:</u> C <u>Date:</u> 04/14/2010 or later FAA-approved revisions	Lycoming Engines	O-235-P2A AIO-320-B1B, -C1B IO-320-B1A, -B1C, -C1A, -D1A, -D1B, -E1A, -E1B, -E2A LIO-320-B1A, -C1A O-320-A2A, -A2B, -A2C, -A3A, -A3B, -A3C, -B2A, -B2B, -B2C, -B3A, -B3B, -B3C, -D1A, -D1D, -D1F, -D1A, -D2B, -D2C, -D2G, -D2J, -D3G, -E1A, -E1F, -E2A, -E2B, -E2C, -E2D, -E2F AEIO-360-A1E, -B1G6, -H1A AIO-360-A1A, -A1B, -B1B HIO-360-A1A, -B1A, -C1A, -C1B, -D1A, -E1AD, -E1BD LIO-360-C1E6 IO-360-A1A, -A1B, -A1B6, -A1C, -A1D, -A1D6, -A2A, -A2B, -A3B6D, -B1A, -B1B, -B1D, -B1E, -B1F, -B1G6, -B2F, -B2F6, -B4A, -C1A, -C1B, -C1C, -C1C6, -C1D6, -C1E6, -C1F, -J1A6D, -L2A, -M1A HO-360-B1A, -B1B, -C1A LO-360-A1G6D, -A1H6 O-360-A1A, -A1AD, -A1C, -A1D, -A1F6, -A1F6D, -A1G6, -A1G6D, -A1H6, -A1LD, -A1P, -A2A, -A2D, -A2E, -A2F, -A2G, -A3A, -A3AD, -A4A, -A4G, -A4J, -A4K, -A4M, -A4N, -A4P, -A5AD, -B2A, -B2C, -C1A, -C1C, -C1E, -C1F, -C1G, -C2A, -C2C, -C2D, -C2E, -C4F, -C4P, -D2A, -D2B, -F1A6, -J2A, -L2A, -M1A, TIO-360-A1B TO-360-C1A6D

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Bearing, Crankshaft, Front	SL13884A-M10	LW-13884 M10, 77044 M10	Test and Computations per 14CFR § 21.303, <u>DWG No:</u> SL13884A, <u>Rev:</u> C <u>Date:</u> 04/14/2010 or later FAA-approved revisions	Lycoming Engines	AE10-540-D4A5, D4B5 IO-540-AB1A5, -A1A5, -B1A5, -B1C5, -C1B5, -C4B5, -C4C5, -C4D5D, -D4A5, -E1A5, -E1B5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -N1A5, -P1A5, -R1A5, -T4A5D, -T4B5D, -W1A5, -W1A5D, -W3A5D O-540-A1A, -A1A5, -A1B5, -A1C5, -A1D, -A1D5, -A2B, -A3D5, -B1A5, -B1B5, -B2B5, -B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -J1A5D, -J3A5, -J3A5D, -J3C5D, -L3C5D, -H1B5D, -H2B5D T10-540-AA1AD, -AE2A, -AF1A, -AG1A, -C1A, -E1A, -G1A, -H1A, -S1AD

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Bearing, Crankshaft, Front	SL13884A-P15	LW-13884 P15, 77044 P15	Test and Computations per 14CFR § 21.303, <u>DWG No:</u> SL13884A, <u>Rev:</u> C <u>Date:</u> 04/14/2010 or later FAA-approved revisions	Lycoming Engines	O-235-P2A AIO-320-B1B, -C1B IO-320-B1A, -B1C, -C1A, -D1A, -D1B, -E1A, -E1B, -E2A LIO-320-B1A, -C1A O-320-A2A, -A2B, -A2C, -A3A, -A3B, -A3C, -B2A, -B2B, -B2C, -B3A, -B3B, -B3C, -D1A, -D1D, -D1F, -D1A, -D2B, -D2C, -D2G, -D2J, -D3G, -E1A, -E1F, -E2A, -E2B, -E2C, -E2D, -E2F AEIO-360-A1E, -B1G6, -H1A AIO-360-A1A, -A1B, -B1B HIO-360-A1A, -B1A, -C1A, -C1B, -D1A, -E1AD, -E1BD LIO-360-C1E6 IO-360-A1A, -A1B, -A1B6, -A1C, -A1D, -A1D6, -A2A, -A2B, -A3B6D, -B1A, -B1B, -B1D, -B1E, -B1F, -B1G6, -B2F, -B2F6, -B4A, -C1A, -C1B, -C1C, -C1C6, -C1D6, -C1E6, -C1F, -J1A6D, -L2A, -M1A HO-360-B1A, -B1B, -C1A LO-360-A1G6D, -A1H6 O-360-A1A, -A1AD, -A1C, -A1D, -A1F6, -A1F6D, -A1G6, -A1G6D, -A1H6, -A1LD, -A1P, -A2A, -A2D, -A2E, -A2F, -A2G, -A3A, -A3AD, -A4A, -A4G, -A4J, -A4K, -A4M, -A4N, -A4P, -A5AD, -B2A, -B2C, -C1A, -C1C, -C1E, -C1F, -C1G, -C2A, -C2C, -C2D, -C2E, -C4F, -C4P, -D2A, -D2B, -F1A6, -J2A, -L2A, -M1A, TIO-360-A1B TO-360-C1A6D

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Bearing, Crankshaft, Front	SL13884A-P15	LW-13884 P15, 77044 P15	Test and Computations per 14CFR § 21.303, <u>DWG No:</u> SL13884A, <u>Rev:</u> C <u>Date:</u> 04/14/2010 or later FAA-approved revisions	Lycoming Engines	AEIO-540-D4A5, D4B5 IO-540-AB1A5, -A1A5, -B1A5, -B1C5, -C1B5, -C4B5, -C4C5, -C4D5D, -D4A5, -E1A5, -E1B5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -N1A5, -P1A5, -R1A5, -T4A5D, -T4B5D, -W1A5, -W1A5D, -W3A5D O-540-A1A, -A1A5, -A1B5, -A1C5, -A1D, -A1D5, -A2B, -A3D5, -B1A5, -B1B5, -B2B5, -B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -J1A5D, -J3A5, -J3A5D, -J3C5D, -L3C5D, -H1B5D, -H2B5D TIO-540-AA1AD, -AE2A, -AF1A, -AG1A, -C1A, -E1A, -G1A, -H1A, -S1AD

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. 184
REVISION 1
DATE March 15, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Bearing, Crankshaft, Front	SL13884A-P15-M03	LW-13884 P15-M03, 77044 P15-M03	Test and Computations per 14CFR § 21.303, <u>DWG No:</u> SL13884A, <u>Rev:</u> C <u>Date:</u> 04/14/2010 or later FAA-approved revisions	Lycoming Engines	O-235-P2A AIO-320-B1B, -C1B IO-320-B1A, -B1C, -C1A, -D1A, -D1B, -E1A, -E1B, -E2A LIO-320-B1A, -C1A O-320-A2A, -A2B, -A2C, -A3A, -A3B, -A3C, -B2A, -B2B, -B2C, -B3A, -B3B, -B3C, -D1A, -D1D, -D1F, -D1A, -D2B, -D2C, -D2G, -D2J, -D3G, -E1A, -E1F, -E2A, -E2B, -E2C, -E2D, -E2F AEIO-360-A1E, -B1G6, -H1A AIO-360-A1A, -A1B, -B1B HIO-360-A1A, -B1A, -C1A, -C1B, -D1A, -E1AD, -E1BD LIO-360-C1E6 IO-360-A1A, -A1B, -A1B6, -A1C, -A1D, -A1D6, -A2A, -A2B, -A3B6D, -B1A, -B1B, -B1D, -B1E, -B1F, -B1G6, -B2F, -B2F6, -B4A, -C1A, -C1B, -C1C, -C1C6, -C1D6, -C1E6, -C1F, -J1A6D, -L2A, -M1A HO-360-B1A, -B1B, -C1A LO-360-A1G6D, -A1H6 O-360-A1A, -A1AD, -A1C, -A1D, -A1F6, -A1F6D, -A1G6, -A1G6D, -A1H6, -A1LD, -A1P, -A2A, -A2D, -A2E, -A2F, -A2G, -A3A, -A3AD, -A4A, -A4G, -A4J, -A4K, -A4M, -A4N, -A4P, -A5AD, -B2A, -B2C, -C1A, -C1C, -C1E, -C1F, -C1G, -C2A, -C2C, -C2D, -C2E, -C4F, -C4P, -D2A, -D2B, -F1A6, -J2A, -L2A, -M1A, TIO-360-A1B TO-360-C1A6D

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DATE March 15, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Bearing, Crankshaft, Front	SL13884A-P15-M03	LW-13884 P15-M03, 77044 P15-M03	Test and Computations per 14CFR § 21.303, DWG No: SL13884A, Rev: C Date: 04/14/2010 or later FAA-approved revisions	Lycoming Engines	AEIO-540-D4A5, D4B5 IO-540-AB1A5, -A1A5, -B1A5, -B1C5, -C1B5, -C4B5, -C4C5, -C4D5D, -D4A5, -E1A5, -E1B5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -N1A5, -P1A5, -R1A5, -T4A5D, -T4B5D, -W1A5, -W1A5D, -W3A5D O-540-A1A, -A1A5, -A1B5, -A1C5, -A1D, -A1D5, -A2B, -A3D5, -B1A5, -B1B5, -B2B5, -B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -J1A5D, -J3A5, -J3A5D, -J3C5D, -L3C5D, -H1B5D, -H2B5D TIO-540-AA1AD, -AE2A, -AF1A, -AG1A, -C1A, -E1A, -G1A, -H1A, -S1AD

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DATE March 15, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Bearing, Crankshaft, Front	SL13884A-P15-M06	LW-13884 P15-M06, 77044 P15-M06	Test and Computations per 14CFR § 21.303, <u>DWG No:</u> SL13884A, <u>Rev:</u> C <u>Date:</u> 04/14/2010 or later FAA-approved revisions	Lycoming Engines	O-235-P2A AIO-320-B1B, -C1B IO-320-B1A, -B1C, -C1A, -D1A, -D1B, -E1A, -E1B, -E2A LIO-320-B1A, -C1A O-320-A2A, -A2B, -A2C, -A3A, -A3B, -A3C, -B2A, -B2B, -B2C, -B3A, -B3B, -B3C, -D1A, -D1D, -D1F, -D1A, -D2B, -D2C, -D2G, -D2J, -D3G, -E1A, -E1F, -E2A, -E2B, -E2C, -E2D, -E2F AEIO-360-A1E, -B1G6, -H1A AIO-360-A1A, -A1B, -B1B HIO-360-A1A, -B1A, -C1A, -C1B, -D1A, -E1AD, -E1BD LIO-360-C1E6 IO-360-A1A, -A1B, -A1B6, -A1C, -A1D, -A1D6, -A2A, -A2B, -A3B6D, -B1A, -B1B, -B1D, -B1E, -B1F, -B1G6, -B2F, -B2F6, -B4A, -C1A, -C1B, -C1C, -C1C6, -C1D6, -C1E6, -C1F, -J1A6D, -L2A, -M1A HO-360-B1A, -B1B, -C1A LO-360-A1G6D, -A1H6 O-360-A1A, -A1AD, -A1C, -A1D, -A1F6, -A1F6D, -A1G6, -A1G6D, -A1H6, -A1LD, -A1P, -A2A, -A2D, -A2E, -A2F, -A2G, -A3A, -A3AD, -A4A, -A4G, -A4J, -A4K, -A4M, -A4N, -A4P, -A5AD, -B2A, -B2C, -C1A, -C1C, -C1E, -C1F, -C1G, -C2A, -C2C, -C2D, -C2E, -C4F, -C4P, -D2A, -D2B, -F1A6, -J2A, -L2A, -M1A, TIO-360-A1B TO-360-C1A6D

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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, Front	SL13884A-P15-M06	LW-13884 P15-M06, 77044 P15-M06	Test and Computations per 14CFR § 21.303, <u>DWG No:</u> SL13884A, <u>Rev:</u> C <u>Date:</u> 04/14/2010 or later FAA-approved revisions	Lycoming Engines	AEIO-540-D4A5, D4B5 IO-540-AB1A5, -A1A5, -B1A5, -B1C5, -C1B5, -C4B5, -C4C5, -C4D5D, -D4A5, -E1A5, -E1B5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -N1A5, -P1A5, -R1A5, -T4A5D, -T4B5D, -W1A5, -W1A5D, -W3A5D O-540-A1A, -A1A5, -A1B5, -A1C5, -A1D, -A1D5, -A2B, -A3D5, -B1A5, -B1B5, -B2B5, -B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -J1A5D, -J3A5, -J3A5D, -J3C5D, -L3C5D, -H1B5D, -H2B5D TIO-540-AA1AD, -AE2A, -AF1A, -AG1A, -C1A, -E1A, -G1A, -H1A, -S1AD

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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, Front	SL13884A-P15-M10	LW-13884 P15-M10, 77044 P15-M10	Test and Computations per 14CFR § 21.303, <u>DWG No:</u> SL13884A, <u>Rev:</u> C <u>Date:</u> 04/14/2010 or later FAA-approved revisions	Lycoming Engines	O-235-P2A AIO-320-B1B, -C1B IO-320-B1A, -B1C, -C1A, -D1A, -D1B, -E1A, -E1B, -E2A LIO-320-B1A, -C1A O-320-A2A, -A2B, -A2C, -A3A, -A3B, -A3C, -B2A, -B2B, -B2C, -B3A, -B3B, -B3C, -D1A, -D1D, -D1F, -D1A, -D2B, -D2C, -D2G, -D2J, -D3G, -E1A, -E1F, -E2A, -E2B, -E2C, -E2D, -E2F AEIO-360-A1E, -B1G6, -H1A AIO-360-A1A, -A1B, -B1B HIO-360-A1A, -B1A, -C1A, -C1B, -D1A, -E1AD, -E1BD LIO-360-C1E6 IO-360-A1A, -A1B, -A1B6, -A1C, -A1D, -A1D6, -A2A, -A2B, -A3B6D, -B1A, -B1B, -B1D, -B1E, -B1F, -B1G6, -B2F, -B2F6, -B4A, -C1A, -C1B, -C1C, -C1C6, -C1D6, -C1E6, -C1F, -J1A6D, -L2A, -M1A HO-360-B1A, -B1B, -C1A LO-360-A1G6D, -A1H6 O-360-A1A, -A1AD, -A1C, -A1D, -A1F6, -A1F6D, -A1G6, -A1G6D, -A1H6, -A1LD, -A1P, -A2A, -A2D, -A2E, -A2F, -A2G, -A3A, -A3AD, -A4A, -A4G, -A4J, -A4K, -A4M, -A4N, -A4P, -A5AD, -B2A, -B2C, -C1A, -C1C, -C1E, -C1F, -C1G, -C2A, -C2C, -C2D, -C2E, -C4F, -C4P, -D2A, -D2B, -F1A6, -J2A, -L2A, -M1A, TIO-360-A1B TO-360-C1A6D

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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, Front	SL13884A-P15-M10	LW-13884 P15-M10, 77044 P15-M10	Test and Computations per 14CFR § 21.303, <u>DWG No:</u> SL13884A, <u>Rev:</u> C <u>Date:</u> 04/14/2010 or later FAA-approved revisions	Lycoming Engines	AEIO-540-D4A5, D4B5 IO-540-AB1A5, -A1A5, -B1A5, -B1C5, -C1B5, -C4B5, -C4C5, -C4D5D, -D4A5, -E1A5, -E1B5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -N1A5, -P1A5, -R1A5, -T4A5D, -T4B5D, -W1A5, -W1A5D, -W3A5D O-540-A1A, -A1A5, -A1B5, -A1C5, -A1D, -A1D5, -A2B, -A3D5, -B1A5, -B1B5, -B2B5, -B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -J1A5D, -J3A5, -J3A5D, -J3C5D, -L3C5D, -H1B5D, -H2B5D T1O-540-AA1AD, -AE2A, -AF1A, -AG1A, -C1A, -E1A, -G1A, -H1A, -S1AD

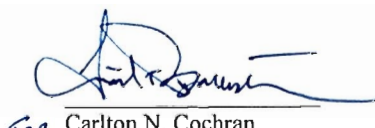
-----End of Listing-----

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 184, revision 1, dated March 15, 2011, updates Supplement 184, dated September 6, 2002. The purpose of the revision is to include over-sized and under-sized parts, not previously listed on Supplement 184. Supplement 184 dated September 6, 2002, remains in effect.


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

3/15/11


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