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 Computation submitted by Superior Air Parts, Inc., with your letter dated March 9, 2011 (FAAL-1369), 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. 173, revision I. Supplement No. 173, revision 1, dated April 15, 2011, updates Supplement No. 173, dated November 2, 1999. The purpose of the revision is to include over-sized parts, not previously listed on Supplement No. 173. Supplement No. 173 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. 173, revision 1. 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
SW MIDO-42

Enclosure
PMA Supplement No. 173, 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. 173
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
Piston	SL75089A	75089	Test and Computations per 14CFR § 21.303, DWG No: SL75089A, Rev: C Date: 10/26/2004 or later FAA-approved revisions	Lycoming Engines	AEIO-320-D1B, -D2B AIO-320-A1A, -A1B, -A2A, -A2B, -B1B, -C1B IO-320-B1A, -B1B, -B1C, -B1D, -B1E, -B2A, -C1A, -C1B, -C1F, -D1A, -D1AD, -D1B, -D1C, -F1A LIO-320-B1A, -C1A O-320-B1A, -B1B, -B2A, -B2B, -B2C, -B3A,-B3B, -B3C, -D1A, -D1AD, -D1B, -D1C, -D1D, -D1F, -D2A, -B2B, -D2C, -D2F, -D2G, -D2H, -D2J, -D3G O-340-A1A, -A2A, -B1A AEIO-360-B1B,-B1D,-B1F,-B1F6, -B1G6, -B2F, -B2F6, -B4A, -H1A HIO-360-B1A, -B1B IO-360-B1A, -B1B, -B1BD, -B1C, -B1D, -B1E, -B1F, -B1F6, -B2E, -B2F, -B2F6, -B4A, -E1A, -F1A HO-360-A1A, -B1A, -B1B LO-360-A1C6D, -A2D O-360-A1A, -A1AD, -A1B, -A1C, -A1D, -A1F, -A1F6, -A1F6D,-A1G, -A1G6, -A1G6D, -A1H, -A1H6, -A1LD, -A2A, -A2D, -A2E, -A2F, -A2G, -A2H, -A3A, -A3AD, -A3D, -A4A, -A4AD, -A4D, -A4G, -A4J, -A4JD, -A4K, -A4M, -A4N,-A5AD, -C1A, -C1C, -C1E, -C1F, -C1G, -C2A, -C2B, -C2C, -C2D, -C2E, -F1A6, -G1A6 IVO-360-A1A V0-360-A1A, -A1B, -B1A AEIO-540-D4A5, -D4B5, -D4C5 IO-540-C1B5, -C1C5, -C2C,-C4B5, -C4B5D, -C4C5, -C4D5D, -D4A5, -D4B5, -D4C5, -J4A5, -M1A5, -M1A5D, -R1A5, -T4A5D,-T4B5D, -T4C5D, -V4A5D

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Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Piston	SL75089A	75089	Test and Computations per 14CFR § 21.303, DWG No: SL75089A, Rev: C Date: 10/26/2004 or later FAA-approved revisions	Lycoming Engines	O-540-A1A, -A1A5, -A1B5,-A1C5, -A1D, -A1D5, -A2B,-A3D5,-A4A5, -A4B5, -A4C5, -A4D5, -D1A5, -E4A5, -E4B5, -E4B5D, -E4C5, -F1A5, -F1B5, -G1A5, -G1A5D, -G2A5, -H1A5, -H1A5D, -H1B5D, -H2A5, -H2A5D, -H2B5D,-L3C5D TIO-540-G1A
Piston	SL75089A P10	75089 P10	Test and Computations per 14CFR § 21.303, DWG No: SL75089A, Rev: C Date: 10/26/2004 or later FAA-approved revisions	Lycoming Engines	AEIO-320-D1B, -D2B AIO-320-A1A, -A1B, -A2A, -A2B, -B1B, -C1B IO-320-B1A, -B1B, -B1C, -B1D, -B1E, -B2A, -C1A, -C1B, -C1F, -D1A, -D1AD, -D1B, -D1C, -F1A LIO-320-B1A, -C1A O-320-B1A, -B1B, -B2A, -B2B, -B2C, -B3A,-B3B, -B3C, -D1A, -D1AD, -D1B, -D1C, -D1D, -D1F, -D2A, -B2B, -D2C, -D2F, -D2G, -D2H, -D2J, -D3G O-340-A1A, -A2A, -B1A AEIO-360-B1B, -B1D,-B1F,-B1F6, -B1G6, -B2F, -B2F6, -B4A, -H1A HIO-360-B1A, -B1B IO-360-B1A, -B1B, -B1BD, -B1C, -B1D, -B1E, -B1F, -B1F6, -B2E, -B2F, -B2F6, -B4A, -E1A, -F1A HO-360-A1A, -B1A, -B1B LO-360-A1C6D, -A2D O-360-A1A, -A1AD, -A1B, -A1C, -A1D, -A1F, -A1F6, -A1F6D,-A1G, -A1G6, -A1G6D, -A1H, -A1H6, -A1LD, -A2A, -A2D, -A2E, -A2F, -A2G, -A2H, -A3A, -A3AD, -A3D, -A4A, -A4AD, -A4D, -A4G, -A4J, -A4JD, -A4K, -A4M, -A4N,-A5AD, -C1A, -C1C, -C1E, -C1F, -C1G, -C2A, -C2B, -C2C, -C2D, -C2E, -F1A6, -G1A6 IVO-360-A1A V0-360-A1A, -A1B, -B1A AEIO-540-D4A5, -D4B5, -D4C5 IO-540-C1B5, -C1C5, -C2C,-C4B5, -C4B5D, -C4C5, -C4D5D, -D4A5, -D4B5, -D4C5, -J4A5, -M1A5, -M1A5D, -R1A5, -T4A5D,-T4B5D, -T4C5D, -V4A5D

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Piston	SL75089A P10	75089 P10	Test and Computations per 14CFR § 21.303, DWG No: SL75089A, Rev: C Date: 10/26/2004 or later FAA-approved revisions	Lycoming Engines	O-540-A1A, -A1A5, -A1B5,-A1C5, -A1D,-A1D5,-A2B,-A3D5,-A4A5, -A4B5, -A4C5, -A4D5,-D1A5, -E4A5, -E4B5, -E4B5D, -E4C5, -F1A5, -F1B5, -G1A5, -G1A5D, -G2A5, -H1A5, -H1A5D, -H1B5D, -H2A5, -H2A5D,-H2B5D, -L3C5D TIO-540-G1A
Piston	SL75089A P20	75089 P20	Test and Computations per 14CFR § 21.303, DWG No: SL75089A, Rev: C Date: 10/26/2004 or later FAA-approved revisions	Lycoming Engines	AEIO-320-D1B, -D2B AIO-320-A1A, -A1B, -A2A, -A2B, -B1B, -C1B IO-320-B1A, -B1B, -B1C, -B1D, -B1E, -B2A, -C1A, -C1B, -C1F, -D1A, -D1AD, -D1B, -D1C, -F1A LIO-320-B1A, -C1A O-320-B1A, -B1B, -B2A, -B2B, -B2C, -B3A,-B3B, -B3C, -D1A, -D1AD, -D1B, -D1C, -D1D, -D1F, -D2A, -B2B, -D2C, -D2F, -D2G, -D2H, -D2J, -D3G O-340-A1A, -A2A, -B1A AEIO-360-B1B,-B1D,-B1F,-B1F6, -B1G6, -B2F, -B2F6, -B4A, -H1A HIO-360-B1A, -B1B IO-360-B1A, -B1B, -B1BD, -B1C, -B1D, -B1E, -B1F, -B1F6, -B2E, -B2F, -B2F6, -B4A, -E1A, -F1A HO-360-A1A, -B1A, -B1B LO-360-A1C6D, -A2D O-360-A1A, -A1AD, -A1B, -A1C, -A1D, -A1F, -A1F6, -A1F6D, -A1G, -A1G6, -A1G6D, -A1H, -A1H6, -A1LD, -A2A, -A2D, -A2E, -A2F, -A2G, -A2H, -A3A, -A3AD, -A3D, -A4A, -A4AD, -A4D, -A4G, -A4J, -A4JD, -A4K, -A4M, -A4N, -A5AD, -C1A, -C1C, -C1E, -C1F, -C1G, -C2A, -C2B, -C2C, -C2D, -C2E, -F1A6, -G1A6 IVO-360-A1A V0-360-A1A, -A1B, -B1A

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Piston	SL75089A P20	75089 P20	Test and Computations per 14CFR § 21.303, DWG No: SL75089A, Rev: C Date: 10/26/2004 or later FAA-approved revisions	Lycoming Engines	AEIO-540-D4A5, -D4B5, -D4C5 IO-540-C1B5, -C1C5, -C2C,-C4B5, -C4B5D, -C4C5, -C4D5D, -D4A5, -D4B5, -D4C5, -J4A5, -M1A5, -M1A5D,-R1A5,-T4A5D,-T4B5D, -T4C5D, -V4A5D O-540-A1A, -A1A5, -A1B5,-A1C5, -A1D,-A1D5,-A2B,-A3D5,-A4A5, -A4B5, -A4C5, -A4D5, -D1A5, -E4A5, -E4B5, -E4B5D,-E4C5, -F1A5, -F1B5, -G1A5, -G1A5D, -G2A5, -H1A5, -H1A5D, -H1B5D, -H2A5, -H2A5D,-H2B5D, -L3C5D TIO-540-G1A
Piston	SL75413A	75413	Test and Computations per 14CFR § 21.303, DWG No: SL75413A, Rev: C Date: 07/12/2002 or later FAA-approved revisions	Lycoming Engines	AEIO-320-E1A, -E1B, -E2A, -E2B IO-320-E1A, -E1B, -E2A, -E2B O-320-A1A, -A1B, -A2A, -A2B, -A2C, -A2D, -A3A, -A3B, -A3C, -E1A, -E1C, -E1F, -E1J , -E2A, -E2B, -E2C, -E2D, -E2E, -E2F, -E2G, -E2H, -E3D,-E3H O-360-B2A, -D2A, -D2B O-540-B1A5, -B1B5, -B2A5, -B2B5, -B2C5, -B2C5D, -B4B5, -B4B5D TIO-540-C1A, -C1AD, -E1A, -H1A
Piston	SL75413A P10	75413 P10	Test and Computations per 14CFR § 21.303, DWG No: SL75413A, Rev: C Date: 07/12/2002 or later FAA-approved revisions	Lycoming Engines	AEIO-320-E1A, -E1B, -E2A, -E2B IO-320-E1A, -E1B, -E2A, -E2B O-320-A1A, -A1B, -A2A, -A2B, -A2C, -A2D, -A3A, -A3B, -A3C, -E1A, -E1C, -E1F, -E1J , -E2A, -E2B, -E2C, -E2D, -E2E, -E2F, -E2G, -E2H, -E3D,-E3H O-360-B2A, -D2A, -D2B O-540-B1A5, -B1B5, -B2A5, -B2B5, -B2C5, -B2C5D, -B4B5, -B4B5D TIO-540-C1A, -C1AD, -E1A, -H1A

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Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Piston	SL75413A P20	75413 P20	Test and Computations per 14CFR § 21.303, DWG No: SL75413A, Rev: C Date: 07/12/2002 or later FAA-approved revisions	Lycoming Engines	AEIO-320-E1A, -E1B, -E2A, -E2B IO-320-E1A, -E1B, -E2A, -E2B O-320-A1A, -A1B, -A2A, -A2B, -A2C, -A2D, -A3A, -A3B, -A3C, -E1A, -E1C, -E1F, -E1J , -E2A, -E2B, -E2C, -E2D, -E2E, -E2F, -E2G, -E2H, -E3D,-E3H O-360-B2A, -D2A, -D2B O-540-B1A5, -B1B5, -B2A5, -B2B5, -B2C5, -B2C5D, -B4B5, -B4B5D TIO-540-C1A, -C1AD, -E1A, -H1A

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Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Bolt, Thru, Crankcase	SL76220	76220	Test and Computations per 14CFR § 21.303, DWG No: SL76220, Rev: C Date: 11/12/2007 or later FAA-approved revisions	Lycoming Engines	AIO-320-B1B, -C1B IO-320-B1A, -B1C, -C1A, -D1A, -D1B, -E1A, -E1B, -E2A, -E2B LIO320-B1A, -C1A O-320-A2B, -A2C, -A2D, -A3A, -A3B, -B2B, -B2C, -B3B, -D1A, -D1D, -D1F, -D2A, -D2B, -D2C, -D2G, -D2J. –D3G, -E1A, -E1F, -E2A, -E2B, -E2C, -E2D, -E2F, -E2G, -E2H, -E3G, -E3H AIO-360-A1A, -A1B, -A1E, -B1B, -B1G6, -H1A HIO-360-A1A, -B1A, -C1A, -C1B, -D1A, -E1AD, -E1BD, -F1AD IO-360-A1A, -A1B, -A1B6, -A1B6D, -A1C, -A1D, -A1D6, -A2A, -A2B, -A3B6D, -B1B, -B1D, -B1E, -B1F, -B2F, -B2F6, -B4A, -C1A, -C1B, -C1C, -C1C6, -C1D6, -C1E6, -C1F, -J1A6D LIO-360-C1E6 LO-360-A1G6D O-360-A1A, -A1AD, -A1DA1F6D, -A1G6, -A1G6D, -A1LD, -A2A, -A2D, -A2F, -A2G, -A3A, -A3AD, -A4A, -A4AD, -A4G, -A4J, -A4K, -A4M, -A4N, -A5AD, -B2A, -C1A, -C1C, -C1E, -C1F, -C1G, -C2A, -C2C, -C2E, -D2A, -F1A6 TIO-360-A1B, -C1A6D TO-360-C1A6D AEIO-540-D4B5, -L1B5D IO-540-C4B5, -C4D5D, -D4A5, -G1D5, -K1A5, -K1A5D, -K1B5, -K1D5, -K1E5, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1J5, -K1J5D, -K1K5, -L1C5, -S1A5, -T4A5D, -T4B5D,-T4C5D,-V4A5D,-W3A5D

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Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Bolt, Thru, Crankcase	SL76220	76220	Test and Computations per 14CFR § 21.303, DWG No: SL76220, Rev: C Date: 11/12/2007 or later FAA-approved revisions	Lycoming Engines	LTIO-540-F2BD, -J2B, -J2BD, -N2BD, -R2AD, -U2A, -V2AD TIO-540-A2C(WD), -AA1AD, -AB1AD, -AE2A, -C1A(WD), -F2BD, -J2B, -J2BD, -N2BD, -R2AD, -S1AD, -U2A, -V2AD O-540-B2B5, -B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -H1B5D, -H2B5D, -J1A5D, -J3A5D, -J3C5D, -L3C5D IO-720-A1B(WD), -B1B(WD), -D1B(WD), -D1BD, -D1C, -D1CD

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Bolt, Thru, Crankcase	SL76220-P01	76220 P01	Test and Computations per 14CFR § 21.303, DWG No: SL76220, Rev: C Date: 11/12/2007 or later FAA-approved revisions	Lycoming Engines	AIO-320-B1B, -C1B IO-320-B1A, -B1C, -C1A, -D1A, -D1B, -E1A, -E1B, -E2A, -E2B LIO320-B1A, -C1A O-320-A2B, -A2C, -A2D, -A3A, -A3B, -B2B, -B2C, -B3B, -D1A, -D1D, -D1F, -D2A, -D2B, -D2C, -D2G, -D2J. –D3G, -E1A, -E1F, -E2A, -E2B, -E2C, -E2D, -E2F, -E2G, -E2H, -E3G, -E3H AIO-360-A1A, -A1B, -A1E, -B1B, -B1G6, -H1A HIO-360-A1A, -B1A, -C1A, -C1B, -D1A, -E1AD, -E1BD, -F1AD IO-360-A1A, -A1B, -A1B6, -A1B6D, -A1C, -A1D, -A1D6, -A2A, -A2B, -A3B6D, -B1B, -B1D, -B1E, -B1F, -B2F, -B2F6, -B4A, -C1A, -C1B, -C1C, -C1C6, -C1D6, -C1E6, -C1F, -J1A6D LIO-360-C1E6 LO-360-A1G6D O-360-A1A, -A1AD, -A1DA1F6D, -A1G6, -A1G6D, -A1LD, -A2A, -A2D, -A2F, -A2G, -A3A, -A3AD, -A4A, -A4AD, -A4G, -A4J, -A4K, -A4M, -A4N, -A5AD, -B2A, -C1A, -C1C, -C1E, -C1F, -C1G, -C2A, -C2C, -C2E, -D2A, -F1A6 TIO-360-A1B, -C1A6D TO-360-C1A6D AEIO-540-D4B5, -L1B5D IO-540-C4B5, -C4D5D, -D4A5, -G1D5, -K1A5, -K1A5D, -K1B5, -K1D5, -K1E5, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1J5, -K1J5D, -K1K5, -L1C5, -S1A5, -T4A5D, -T4B5D,-T4C5D,-V4A5D,-W3A5D

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Bolt, Thru, Crankcase	SL76220-P01	76220 P01	Test and Computations per 14CFR § 21.303, DWG No: SL76220, Rev: C Date: 11/12/2007 or later FAA-approved revisions	Lycoming Engines	LTIO-540-F2BD, -J2B, -J2BD, -N2BD, -R2AD, -U2A, -V2AD TIO-540-A2C(WD), -AA1AD, -AB1AD, -AE2A, -C1A(WD), -F2BD, -J2B, -J2BD, -N2BD, -R2AD, -S1AD, -U2A, -V2AD O-540-B2B5, -B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -H1B5D, -H2B5D, -J1A5D, -J3A5D, -J3C5D, -L3C5D IO-720-A1B(WD), -B1B(WD), -D1B(WD), -D1BD, -D1C, -D1CD

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. 173
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
Bolt, Thru, Crankcase	SL76220-P02	76220 P02	Test and Computations per 14CFR § 21.303, DWG No: SL76220, Rev: C Date: 11/12/2007 or later FAA-approved revisions	Lycoming Engines	AIO-320-B1B, -C1B IO-320-B1A, -B1C, -C1A, -D1A, -D1B, -E1A, -E1B, -E2A, -E2B LIO320-B1A, -C1A O-320-A2B, -A2C, -A2D, -A3A, -A3B, -B2B, -B2C, -B3B, -D1A, -D1D, -D1F, -D2A, -D2B, -D2C, -D2G, -D2J. –D3G, -E1A, -E1F, -E2A, -E2B, -E2C, -E2D, -E2F, -E2G, -E2H, -E3G, -E3H AIO-360-A1A, -A1B, -A1E, -B1B, -B1G6, -H1A HIO-360-A1A, -B1A, -C1A, -C1B, -D1A, -E1AD, -E1BD, -F1AD IO-360-A1A, -A1B, -A1B6, -A1B6D, -A1C, -A1D, -A1D6, -A2A, -A2B, -A3B6D, -B1B, -B1D, -B1E, -B1F, -B2F, -B2F6, -B4A, -C1A, -C1B, -C1C, -C1C6, -C1D6, -C1E6, -C1F, -J1A6D LIO-360-C1E6 LO-360-A1G6D O-360-A1A, -A1AD, -A1DA1F6D, -A1G6, -A1G6D, -A1LD, -A2A, -A2D, -A2F, -A2G, -A3A, -A3AD, -A4A, -A4AD, -A4G, -A4J, -A4K, -A4M, -A4N, -A5AD, -B2A, -C1A, -C1C, -C1E, -C1F, -C1G, -C2A, -C2C, -C2E, -D2A, -F1A6 TIO-360-A1B, -C1A6D TO-360-C1A6D AEIO-540-D4B5, -L1B5D IO-540-C4B5, -C4D5D, -D4A5, -G1D5, -K1A5, -K1A5D, -K1B5, -K1D5, -K1E5, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1J5, -K1J5D, -K1K5, -L1C5, -S1A5, -T4A5D, -T4B5D,-T4C5D,-V4A5D,-W3A5D

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

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PMA NO. PQ0060SW
SUPPLEMENT NO. 173
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DATE April 15, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Bolt, Thru, Crankcase	SL76220-P02	76220 P02	Test and Computations per 14CFR § 21.303, DWG No: SL76220, Rev: C Date: 11/12/2007 or later FAA-approved revisions	Lycoming Engines	LTIO-540-F2BD, -J2B, -J2BD, -N2BD, -R2AD, -U2A, -V2AD TIO-540-A2C(WD), -AA1AD, -AB1AD, -AE2A, -C1A(WD), -F2BD, -J2B, -J2BD, -N2BD, -R2AD, -S1AD, -U2A, -V2AD O-540-B2B5, -B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -H1B5D, -H2B5D, -J1A5D, -J3A5D, -J3C5D, -L3C5D IO-720-A1B(WD), -B1B(WD), -D1B(WD), -D1BD, -D1C, -D1CD

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Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Bolt, Thru, Crankcase	SL76220-P05	76220 P05	Test and Computations per 14CFR § 21.303, DWG No: SL76220, Rev: C Date: 11/12/2007 or later FAA-approved revisions	Lycoming Engines	AIO-320-B1B, -C1B IO-320-B1A, -B1C, -C1A, -D1A, -D1B, -E1A, -E1B, -E2A, -E2B LIO320-B1A, -C1A O-320-A2B, -A2C, -A2D, -A3A, -A3B, -B2B, -B2C, -B3B, -D1A, -D1D, -D1F, -D2A, -D2B, -D2C, -D2G, -D2J. –D3G, -E1A, -E1F, -E2A, -E2B, -E2C, -E2D, -E2F, -E2G, -E2H, -E3G, -E3H AIO-360-A1A, -A1B, -A1E, -B1B, -B1G6, -H1A HIO-360-A1A, -B1A, -C1A, -C1B, -D1A, -E1AD, -E1BD, -F1AD IO-360-A1A, -A1B, -A1B6, -A1B6D, -A1C, -A1D, -A1D6, -A2A, -A2B, -A3B6D, -B1B, -B1D, -B1E, -B1F, -B2F, -B2F6, -B4A, -C1A, -C1B, -C1C, -C1C6, -C1D6, -C1E6, -C1F, -J1A6D LIO-360-C1E6 LO-360-A1G6D O-360-A1A, -A1AD, -A1DA1F6D, -A1G6, -A1G6D, -A1LD, -A2A, -A2D, -A2F, -A2G, -A3A, -A3AD, -A4A, -A4AD, -A4G, -A4J, -A4K, -A4M, -A4N, -A5AD, -B2A, -C1A, -C1C, -C1E, -C1F, -C1G, -C2A, -C2C, -C2E, -D2A, -F1A6 TIO-360-A1B, -C1A6D TO-360-C1A6D AEIO-540-D4B5, -L1B5D IO-540-C4B5, -C4D5D, -D4A5, -G1D5, -K1A5, -K1A5D, -K1B5, -K1D5, -K1E5, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1J5, -K1J5D, -K1K5, -L1C5, -S1A5, -T4A5D, -T4B5D,-T4C5D,-V4A5D,-W3A5D

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Coppell, TX 75019-3805

PMA NO. PQ0060SW
SUPPLEMENT NO. 173
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
Bolt, Thru, Crankcase	SL76220-P05	76220 P05	Test and Computations per 14CFR § 21.303, DWG No: SL76220, Rev: C Date: 11/12/2007 or later FAA-approved revisions	Lycoming Engines	LTIO-540-F2BD, -J2B, -J2BD, -N2BD, -R2AD, -U2A, -V2AD TIO-540-A2C(WD), -AA1AD, -AB1AD, -AE2A, -C1A(WD), -F2BD, -J2B, -J2BD, -N2BD, -R2AD, -S1AD, -U2A, -V2AD O-540-B2B5, -B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -H1B5D, -H2B5D, -J1A5D, -J3A5D, -J3C5D, -L3C5D IO-720-A1B(WD), -B1B(WD), -D1B(WD), -D1BD, -D1C, -D1CD

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Bolt, Thru, Crankcase	SL76220-P10	76220 P10	Test and Computations per 14CFR § 21.303, DWG No: SL76220, Rev: C Date: 11/12/2007 or later FAA-approved revisions	Lycoming Engines	AIO-320-B1B, -C1B IO-320-B1A, -B1C, -C1A, -D1A, -D1B, -E1A, -E1B, -E2A, -E2B LIO320-B1A, -C1A O-320-A2B, -A2C, -A2D, -A3A, -A3B, -B2B, -B2C, -B3B, -D1A, -D1D, -D1F, -D2A, -D2B, -D2C, -D2G, -D2J. –D3G, -E1A, -E1F, -E2A, -E2B, -E2C, -E2D, -E2F, -E2G, -E2H, -E3G, -E3H AIO-360-A1A, -A1B, -A1E, -B1B, -B1G6, -H1A HIO-360-A1A, -B1A, -C1A, -C1B, -D1A, -E1AD, -E1BD, -F1AD IO-360-A1A, -A1B, -A1B6, -A1B6D, -A1C, -A1D, -A1D6, -A2A, -A2B, -A3B6D, -B1B, -B1D, -B1E, -B1F, -B2F, -B2F6, -B4A, -C1A, -C1B, -C1C, -C1C6, -C1D6, -C1E6, -C1F, -J1A6D LIO-360-C1E6 LO-360-A1G6D O-360-A1A, -A1AD, -A1DA1F6D, -A1G6, -A1G6D, -A1LD, -A2A, -A2D, -A2F, -A2G, -A3A, -A3AD, -A4A, -A4AD, -A4G, -A4J, -A4K, -A4M, -A4N, -A5AD, -B2A, -C1A, -C1C, -C1E, -C1F, -C1G, -C2A, -C2C, -C2E, -D2A, -F1A6 TIO-360-A1B, -C1A6D TO-360-C1A6D AEIO-540-D4B5, -L1B5D IO-540-C4B5, -C4D5D, -D4A5, -G1D5, -K1A5, -K1A5D, -K1B5, -K1D5, -K1E5, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1J5, -K1J5D, -K1K5, -L1C5, -S1A5, -T4A5D, -T4B5D,-T4C5D,-V4A5D,-W3A5D

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Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Bolt, Thru, Crankcase	SL76220-P10	76220 P10	Test and Computations per 14CFR § 21.303, DWG No: SL76220, Rev: C Date: 11/12/2007 or later FAA-approved revisions	Lycoming Engines	LTIO-540-F2BD, -J2B, -J2BD, -N2BD, -R2AD, -U2A, -V2AD TIO-540-A2C(WD), -AA1AD, -AB1AD, -AE2A, -C1A(WD), -F2BD, -J2B, -J2BD, -N2BD, -R2AD, -S1AD, -U2A, -V2AD O-540-B2B5, -B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -H1B5D, -H2B5D, -J1A5D, -J3A5D, -J3C5D, -L3C5D IO-720-A1B(WD), -B1B(WD), -D1B(WD), -D1BD, -D1C, -D1CD

----------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 173, revision 1, dated April 15, 2011, updates Supplement 173, dated November 2, 1999. The purpose of the revision is to include over-sized parts, not previously listed on Supplement 173. Supplement 173 remains in effect.

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

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