



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 8, 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. 108, revision No. 4. Supplement 108, revision 4, dated March 17, 2011, updates Supplement No. 108, revision 3, dated February 25, 2010. The purpose of the revision is to include over-sized and under-sized parts, not previously listed on Supplement No. 108, revision 3. Supplement No. 108, revision 3, dated February 25, 2010, remains in effect.

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. 108, Revision No. 4. 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. 108, revision 4



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. 108
REVISION 4
DATE March 17, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Insert, Exhaust Valve Seat	SL 16699	LW16699	Test and Computations per 14CFR § 21.303, <u>DWG No:</u> SL 16699, <u>Rev:</u> B <u>Date:</u> 08/21/1998 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C1C, -C2A, -C2C, -F2A, -F2B, -H2C, -J2A, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -N2A, -N2C, -P2A
Insert, Exhaust Valve Seat	SL 16699 P05	LW16699 P05	Test and Computations per 14CFR § 21.303, <u>DWG No:</u> SL 16699, <u>Rev:</u> B <u>Date:</u> 08/21/1998 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C1C, -C2A, -C2C, -F2A, -F2B, -H2C, -J2A, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -N2A, -N2C, -P2A
Insert, Exhaust Valve Seat	SL 16699 P10	LW16699 P10	Test and Computations per 14CFR § 21.303, <u>DWG No:</u> SL 16699, <u>Rev:</u> B <u>Date:</u> 08/21/1998 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C1C, -C2A, -C2C, -F2A, -F2B, -H2C, -J2A, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -N2A, -N2C, -P2A
Insert, Exhaust Valve Seat	SL 16699 P20	LW16699 P20	Test and Computations per 14CFR § 21.303, <u>DWG No:</u> SL 16699, <u>Rev:</u> B <u>Date:</u> 08/21/1998 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C1C, -C2A, -C2C, -F2A, -F2B, -H2C, -J2A, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -N2A, -N2C, -P2A

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Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Insert, Exhaust Valve Seat	SL 16699 P30	LW16699 P30	Test and Computations per 14CFR § 21.303, <u>DWG No:</u> SL 16699, <u>Rev:</u> B <u>Date:</u> 08/21/1998 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C1C, -C2A, -C2C, -F2A, -F2B, -H2C, -J2A, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -N2A, -N2C, -P2A

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Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Guide, Intake Valve	SL 61681A	60028, 68681, 76943	Test and Computations per 14CFR § 21.303, <u>DWG No:</u> SL 61681A, <u>Rev:</u> H <u>Date:</u> 05/16/2010 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1A, -C1B, -C1C, -C2A, -C2B, -C2C, -E1, -E1B, E2A, -E2B, -F1, -F1B, -F2A, -F2B, -G1, -G1B, -G2A, -G2B, -H2C, -J2A, -J2B, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -MC2, -M3C, -N2A, -N2C, -P1, -P2A, -P2C, -P3C O-290-D, -D2, -D2A, -D2B, -D2C AEIO-320-D1B, -D2B, -E1A, -E1B, -E2A, -E2B AIO-320-A1A, -A1B, -A2A, -A2B, -B1B, -C1B IO-320-A1A, -A2A, -B1A, -B1B, -B1C, -B1D, -B1E, -B2A, -C1A, -C1B, -D1A, -D1B, -D1C, -E1A, -E1B, -E2A, -E2B, -F1A LIO-320-B1A, -C1A, -M1A O-320-A1A, -A1B, -A2A, -A2B, -A2C, -A2D, -A3A, -A3B, -A3C, -B1A, -B1B, -B2A, -B2B, -B2C, -B2D, -B2E, -B3A, -B3B, -B3C, -C1A, -C1B, -C2A, -C2B, -C3A, -C3B, -C3C, -D1A, -D1B, -D1C, -D1D, -D1F, -D2A, -D2B, -D2C, -D2F, -D2G, -D2H, -D2J, -D3G, -E1A, -E1B, -E1C, -E1F, -E1J, -E2A, -E2B, -E2C, -E2D, -E2F, -E2G, -E2H, -E3D, -E3H, -H1AD, -H1BD, -H2AD, -H2BD, -H3AD, -H3BD O-340-A1A, -A2A, -B1A AEIO-360-B1B, -B1D, -B1F, -B1F6, -B1G6, -B1H, -B2F, -B2F6, -B4A, -H1A, -H1B HIO-360-B1A HO-360-A1A, -B1A, -B1B, -C1A IO-360-B1A, -B1B, -B1C, -B1D, -B1E, -B1F, -B1F6, -B1G6, -B2E, -B2F, -B2F6, B4A, -E1A, -F1A, -L2A, -M1A, -M1B IVO-360-A1A LO-360- A1G6D, -A1H6, -E1AD, -E1A6D, -E1BD, -E2AD, -E2BD

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Guide, Intake Valve	SL 61681A	60028, 68681, 76943	Test and Computations per 14CFR § 21.303, <u>DWG No:</u> SL 61681A, <u>Rev:</u> H <u>Date:</u> 05/16/2010 or later FAA-approved revisions	Lycoming Engines	O-360-A1A, -A1AD, -A1C, -A1D, -A1F, -A1F6, -A1F6D, -A1G, -A1G6, -A1G6D, -A1H, -A1H6, -A1LD, -A1P, -A2A, -A2D, -A2E, -A2F, -A2G, -A2H, -A3A, -A3AD, -A3D, -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 VO-360-A1A, -A1B, -B1A LTO-360-E1A6D TO-360-C1A6D, -E1A6D O-435-A, -A2 AEIO-540-D4A5, -D4B5, -D4D5 IO-540-AB1A5, C1B5, -C1C5, -C2C, -C4B5, -C4B5D, -C4C5, -C4D5, -C4D5D, -D4A5, -D4B5, -D4C5, -J4A5, -N1A5, -R1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -V4A5, -V4A5D, -W1A5, -W1A5D, -W3A5D LTIO-540-K1AD O-540-A1A, -A1A5, -A1B5, -A1C5, -A1D, -A1D5, -A2B, -A3D5, -A4A5, -A4B5, -A4C5, -A4D5, -B1A5, -B1B5, -B1D5, -B2A5, -B2B5, -B2C5, -B4A5, -B4B5, -D1A5, -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 TIO-540-AA1AD, AB1AD, -AB1BD, -AF1A, -AF1B, -AG1A, -AK1A, -C1A, -E1A, -G1A, -H1A, -K1AD

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Guide, Intake Valve	SL 61681A - P05	60028 P05, 68681 P05, 76943 P05	Test and Computations per 14CFR § 21.303, DWG No: SL 61681A, Rev: H Date: 05/16/2010 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1A, -C1B, -C1C, -C2A, -C2B, -C2C, -E1, -E1B, E2A, -E2B, -F1, -F1B, -F2A, -F2B, -G1, -G1B, -G2A, -G2B, -H2C, -J2A, -J2B, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -MC2, -M3C, -N2A, -N2C, -P1, -P2A, -P2C, -P3C O-290-D, -D2, -D2A, -D2B, -D2C AEIO-320-D1B, -D2B, -E1A, -E1B, -E2A, -E2B AIO-320-A1A, -A1B, -A2A, -A2B, -B1B, -C1B IO-320-A1A, -A2A, -B1A, -B1B, -B1C, -B1D, -B1E, -B2A, -C1A, -C1B, -D1A, -D1B, -D1C, -E1A, -E1B, -E2A, -E2B, -F1A LIO-320-B1A, -C1A, -M1A O-320-A1A, -A1B, -A2A, -A2B, -A2C, -A2D, -A3A, -A3B, -A3C, -B1A, -B1B, -B2A, -B2B, -B2C, -B2D, -B2E, -B3A, -B3B, -B3C, -C1A, -C1B, -C2A, -C2B, -C3A, -C3B, -C3C, -D1A, -D1B, -D1C, -D1D, -D1F, -D2A, -D2B, -D2C, -D2F, -D2G, -D2H, -D2J, -D3G, -E1A, -E1B, -E1C, -E1F, -E1J, -E2A, -E2B, -E2C, -E2D, -E2F, -E2G, -E2H, -E3D, -E3H, -H1AD, -H1BD, -H2AD, -H2BD, -H3AD, -H3BD O-340-A1A, -A2A, -B1A AEIO-360-B1B, -B1D, -B1F, -B1F6, -B1G6, -B1H, -B2F, -B2F6, -B4A, -H1A, -H1B HIO-360-B1A HO-360-A1A, -B1A, -B1B, -C1A IO-360-B1A, -B1B, -B1C, -B1D, -B1E, -B1F, -B1F6, -B1G6, -B2E, -B2F, -B2F6, B4A, -E1A, -F1A, -L2A, -M1A, -M1B IVO-360-A1A LO-360- A1G6D, -A1H6, -E1AD, -E1A6D, -E1BD, -E2AD, -E2BD

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Guide, Intake Valve	SL 61681A - P05	60028 P05, 68681 P05, 76943 P05	Test and Computations per 14CFR § 21.303, <u>DWG No:</u> SL 61681A, <u>Rev:</u> H <u>Date:</u> 05/16/2010 or later FAA-approved revisions	Lycoming Engines	O-360-A1A, -A1AD, -A1C, -A1D, -A1F, -A1F6, -A1F6D, -A1G, -A1G6, -A1G6D, -A1H, -A1H6, -A1LD, -A1P, -A2A, -A2D, -A2E, -A2F, -A2G, -A2H, -A3A, -A3AD, -A3D, -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 VO-360-A1A, -A1B, -B1A LTO-360-E1A6D TO-360-C1A6D, -E1A6D O-435-A, -A2 AEIO-540-D4A5, -D4B5, -D4D5 IO-540-AB1A5, C1B5, -C1C5, -C2C, -C4B5, -C4B5D, -C4C5, -C4D5, -C4D5D, -D4A5, -D4B5, -D4C5, -J4A5, -N1A5, -R1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -V4A5, -V4A5D, -W1A5, -W1A5D, -W3A5D LTIO-540-K1AD O-540-A1A, -A1A5, -A1B5, -A1C5, -A1D, -A1D5, -A2B, -A3D5, -A4A5, -A4B5, -A4C5, -A4D5, -B1A5, -B1B5, -B1D5, -B2A5, -B2B5, -B2C5, -B4A5, -B4B5, -D1A5, -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 TIO-540-AA1AD, AB1AD, -AB1BD, -AF1A, -AF1B, -AG1A, -AK1A, -C1A, -E1A, -G1A, -H1A, -K1AD

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Guide, Intake Valve	SL 61681A-P10	60028 P10, 68681 P10, 76943 P10	Test and Computations per 14CFR § 21.303, <u>DWG No:</u> SL 61681A, <u>Rev:</u> H <u>Date:</u> 05/16/2010 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1A, -C1B, -C1C, -C2A, -C2B, -C2C, -E1, -E1B, E2A, -E2B, -F1, -F1B, -F2A, -F2B, -G1, -G1B, -G2A, -G2B, -H2C, -J2A, -J2B, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -MC2, -M3C, -N2A, -N2C, -P1, -P2A, -P2C, -P3C O-290-D, -D2, -D2A, -D2B, -D2C AEIO-320-D1B, -D2B, -E1A, -E1B, -E2A, -E2B AIO-320-A1A, -A1B, -A2A, -A2B, -B1B, -C1B IO-320-A1A, -A2A, -B1A, -B1B, -B1C, -B1D, -B1E, -B2A, -C1A, -C1B, -D1A, -D1B, -D1C, -E1A, -E1B, -E2A, -E2B, -F1A LIO-320-B1A, -C1A, -M1A O-320-A1A, -A1B, -A2A, -A2B, -A2C, -A2D, -A3A, -A3B, -A3C, -B1A, -B1B, -B2A, -B2B, -B2C, -B2D, -B2E, -B3A, -B3B, -B3C, -C1A, -C1B, -C2A, -C2B, -C3A, -C3B, -C3C, -D1A, -D1B, -D1C, -D1D, -D1F, -D2A, -D2B, -D2C, -D2F, -D2G, -D2H, -D2J, -D3G, -E1A, -E1B, -E1C, -E1F, -E1J, -E2A, -E2B, -E2C, -E2D, -E2F, -E2G, -E2H, -E3D, -E3H, -H1AD, -H1BD, -H2AD, -H2BD, -H3AD, -H3BD O-340-A1A, -A2A, -B1A AEIO-360-B1B, -B1D, -B1F, -B1F6, -B1G6, -B1H, -B2F, -B2F6, -B4A, -H1A, -H1B HIO-360-B1A HO-360-A1A, -B1A, -B1B, -C1A IO-360-B1A, -B1B, -B1C, -B1D, -B1E, -B1F, -B1F6, -B1G6, -B2E, -B2F, -B2F6, B4A, -E1A, -F1A, -L2A, -M1A, -M1B IVO-360-A1A LO-360- A1G6D, -A1H6, -E1AD, -E1A6D, -E1BD, -E2AD, -E2BD

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Guide, Intake Valve	SL 61681A-P10	60028 P10, 68681 P10, 76943 P10	Test and Computations per 14CFR § 21.303, <u>DWG No:</u> SL 61681A, <u>Rev:</u> H <u>Date:</u> 05/16/2010 or later FAA-approved revisions	Lycoming Engines	O-360-A1A, -A1AD, -A1C, -A1D, -A1F, -A1F6, -A1F6D, -A1G, -A1G6, -A1G6D, -A1H, -A1H6, -A1LD, -A1P, -A2A, -A2D, -A2E, -A2F, -A2G, -A2H, -A3A, -A3AD, -A3D, -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 VO-360-A1A, -A1B, -B1A LTO-360-E1A6D TO-360-C1A6D, -E1A6D O-435-A, -A2 AEIO-540-D4A5, -D4B5, -D4D5 IO-540-AB1A5, C1B5, -C1C5, -C2C, -C4B5, -C4B5D, -C4C5, -C4D5, -C4D5D, -D4A5, -D4B5, -D4C5, -J4A5, -N1A5, -R1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -V4A5, -V4A5D, -W1A5, -W1A5D, -W3A5D LTIO-540-K1AD O-540-A1A, -A1A5, -A1B5, -A1C5, -A1D, -A1D5, -A2B, -A3D5, -A4A5, -A4B5, -A4C5, -A4D5, -B1A5, -B1B5, -B1D5, -B2A5, -B2B5, -B2C5, -B4A5, -B4B5, -D1A5, -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 TIO-540-AA1AD, AB1AD, -AB1BD, -AF1A, -AF1B, -AG1A, -AK1A, -C1A, -E1A, -G1A, -H1A, -K1AD

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. 108
REVISION 4
DATE March 17, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Guide, Intake Valve	SL 61681A-P20	60028 P20, 68681 P20, 76943 P20	Test and Computations per 14CFR § 21.303, <u>DWG No:</u> SL 61681A, <u>Rev:</u> H <u>Date:</u> 05/16/2010 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1A, -C1B, -C1C, -C2A, -C2B, -C2C, -E1, -E1B, E2A, -E2B, -F1, -F1B, -F2A, -F2B, -G1, -G1B, -G2A, -G2B, -H2C, -J2A, -J2B, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -MC2, -M3C, -N2A, -N2C, -P1, -P2A, -P2C, -P3C O-290-D, -D2, -D2A, -D2B, -D2C AEIO-320-D1B, -D2B, -E1A, -E1B, -E2A, -E2B AIO-320-A1A, -A1B, -A2A, -A2B, -B1B, -C1B IO-320-A1A, -A2A, -B1A, -B1B, -B1C, -B1D, -B1E, -B2A, -C1A, -C1B, -D1A, -D1B, -D1C, -E1A, -E1B, -E2A, -E2B, -F1A LIO-320-B1A, -C1A, -M1A O-320-A1A, -A1B, -A2A, -A2B, -A2C, -A2D, -A3A, -A3B, -A3C, -B1A, -B1B, -B2A, -B2B, -B2C, -B2D, -B2E, -B3A, -B3B, -B3C, -C1A, -C1B, -C2A, -C2B, -C3A, -C3B, -C3C, -D1A, -D1B, -D1C, -D1D, -D1F, -D2A, -D2B, -D2C, -D2F, -D2G, -D2H, -D2J, -D3G, -E1A, -E1B, -E1C, -E1F, -E1J, -E2A, -E2B, -E2C, -E2D, -E2F, -E2G, -E2H, -E3D, -E3H, -H1AD, -H1BD, -H2AD, -H2BD, -H3AD, -H3BD O-340-A1A, -A2A, -B1A AEIO-360-B1B, -B1D, -B1F, -B1F6, -B1G6, -B1H, -B2F, -B2F6, -B4A, -H1A, -H1B HIO-360-B1A HO-360-A1A, -B1A, -B1B, -C1A IO-360-B1A, -B1B, -B1C, -B1D, -B1E, -B1F, -B1F6, -B1G6, -B2E, -B2F, -B2F6, B4A, -E1A, -F1A, -L2A, -M1A, -M1B IVO-360-A1A LO-360- A1G6D, -A1H6, -E1AD, -E1A6D, -E1BD, -E2AD, -E2BD

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Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Guide, Intake Valve	SL 61681A-P30	60028 P30, 68681 P30, 76943 P30	Test and Computations per 14CFR § 21.303, <u>DWG No:</u> SL 61681A, <u>Rev:</u> H <u>Date:</u> 05/16/2010 or later FAA-approved revisions	Lycoming Engines	O-360-A1A, -A1AD, -A1C, -A1D, -A1F, -A1F6, -A1F6D, -A1G, -A1G6, -A1G6D, -A1H, -A1H6, -A1LD, -A1P, -A2A, -A2D, -A2E, -A2F, -A2G, -A2H, -A3A, -A3AD, -A3D, -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 VO-360-A1A, -A1B, -B1A LTO-360-E1A6D TO-360-C1A6D, -E1A6D O-435-A, -A2 AEIO-540-D4A5, -D4B5, -D4D5 IO-540-AB1A5, C1B5, -C1C5, -C2C, -C4B5, -C4B5D, -C4C5, -C4D5, -C4D5D, -D4A5, -D4B5, -D4C5, -J4A5, -N1A5, -R1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -V4A5, -V4A5D, -W1A5, -W1A5D, -W3A5D LTIO-540-K1AD O-540-A1A, -A1A5, -A1B5, -A1C5, -A1D, -A1D5, -A2B, -A3D5, -A4A5, -A4B5, -A4C5, -A4D5, -B1A5, -B1B5, -B1D5, -B2A5, -B2B5, -B2C5, -B4A5, -B4B5, -D1A5, -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 TIO-540-AA1AD, AB1AD, -AB1BD, -AF1A, -AF1B, -AG1A, -AK1A, -C1A, -E1A, -G1A, -H1A, -K1AD

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Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Guide, Intake Valve	SL 61681A-P40	60028 P40, 68681 P40, 76943 P40	Test and Computations per 14CFR § 21.303, <u>DWG No:</u> SL 61681A, <u>Rev:</u> H <u>Date:</u> 05/16/2010 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1A, -C1B, -C1C, -C2A, -C2B, -C2C, -E1, -E1B, E2A, -E2B, -F1, -F1B, -F2A, -F2B, -G1, -G1B, -G2A, -G2B, -H2C, -J2A, -J2B, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -MC2, -M3C, -N2A, -N2C, -P1, -P2A, -P2C, -P3C O-290-D, -D2, -D2A, -D2B, -D2C AEIO-320-D1B, -D2B, -E1A, -E1B, -E2A, -E2B AIO-320-A1A, -A1B, -A2A, -A2B, -B1B, -C1B IO-320-A1A, -A2A, -B1A, -B1B, -B1C, -B1D, -B1E, -B2A, -C1A, -C1B, -D1A, -D1B, -D1C, -E1A, -E1B, -E2A, -E2B, -F1A LIO-320-B1A, -C1A, -M1A O-320-A1A, -A1B, -A2A, -A2B, -A2C, -A2D, -A3A, -A3B, -A3C, -B1A, -B1B, -B2A, -B2B, -B2C, -B2D, -B2E, -B3A, -B3B, -B3C, -C1A, -C1B, -C2A, -C2B, -C3A, -C3B, -C3C, -D1A, -D1B, -D1C, -D1D, -D1F, -D2A, -D2B, -D2C, -D2F, -D2G, -D2H, -D2J, -D3G, -E1A, -E1B, -E1C, -E1F, -E1J, -E2A, -E2B, -E2C, -E2D, -E2F, -E2G, -E2H, -E3D, -E3H, -H1AD, -H1BD, -H2AD, -H2BD, -H3AD, -H3BD O-340-A1A, -A2A, -B1A AEIO-360-B1B, -B1D, -B1F, -B1F6, -B1G6, -B1H, -B2F, -B2F6, -B4A, -H1A, -H1B HIO-360-B1A HO-360-A1A, -B1A, -B1B, -C1A IO-360-B1A, -B1B, -B1C, -B1D, -B1E, -B1F, -B1F6, -B1G6, -B2E, -B2F, -B2F6, B4A, -E1A, -F1A, -L2A, -M1A, -M1B IVO-360-A1A LO-360- A1G6D, -A1H6, -E1AD, -E1A6D, -E1BD, -E2AD, -E2BD

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Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Guide, Intake Valve	SL 61681A-P40	60028 P40, 68681 P40, 76943 P40	Test and Computations per 14CFR § 21.303, <u>DWG No:</u> SL 61681A, <u>Rev:</u> H <u>Date:</u> 05/16/2010 or later FAA-approved revisions	Lycoming Engines	O-360-A1A, -A1AD, -A1C, -A1D, -A1F, -A1F6, -A1F6D, -A1G, -A1G6, -A1G6D, -A1H, -A1H6, -A1LD, -A1P, -A2A, -A2D, -A2E, -A2F, -A2G, -A2H, -A3A, -A3AD, -A3D, -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 VO-360-A1A, -A1B, -B1A LTO-360-E1A6D TO-360-C1A6D, -E1A6D O-435-A, -A2 AEIO-540-D4A5, -D4B5, -D4D5 IO-540-AB1A5, C1B5, -C1C5, -C2C, -C4B5, -C4B5D, -C4C5, -C4D5, -C4D5D, -D4A5, -D4B5, -D4C5, -J4A5, -N1A5, -R1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -V4A5, -V4A5D, -W1A5, -W1A5D, -W3A5D LTIO-540-K1AD O-540-A1A, -A1A5, -A1B5, -A1C5, -A1D, -A1D5, -A2B, -A3D5, -A4A5, -A4B5, -A4C5, -A4D5, -B1A5, -B1B5, -B1D5, -B2A5, -B2B5, -B2C5, -B4A5, -B4B5, -D1A5, -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 TIO-540-AA1AD, AB1AD, -AB1BD, -AF1A, -AF1B, -AG1A, -AK1A, -C1A, -E1A, -G1A, -H1A, -K1AD

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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	SL68763A	60810, 60933, 68763, 69501, LW-14451	Test and Computations per 14CFR § 21.303, <u>DWG No:</u> SL 68763A, <u>Rev:</u> L <u>Date:</u> 04/22/2010 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1A, -C1B, -C1C, -C2A, -C2B, -C2C, -F2A, -F2B, -H2C, -J2A, -J2B, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -N2A, -N2C, -P1, -P2A, -P2C O-290-D, -D2, -D2A, -D2B, -D2C AEIO-320-E2B IO-320-E2B O-320-A1A, -A1B, -A2A, -A2B, -A2C, -A3A, -A3B, -A3C, -E1A, -E1B, -E1C, -E2A, -E2G, -E3D
Bearing, Crankshaft	SL68763A M03	60810 M03, 60933 M03, 68763 M03, 69501 M03, LW-14451 M03	Test and Computations per 14CFR § 21.303, <u>DWG No:</u> SL 68763A, <u>Rev:</u> L <u>Date:</u> 04/22/2010 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1A, -C1B, -C1C, -C2A, -C2B, -C2C, -F2A, -F2B, -H2C, -J2A, -J2B, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -N2A, -N2C, -P1, -P2A, -P2C O-290-D, -D2, -D2A, -D2B, -D2C AEIO-320-E2B IO-320-E2B O-320-A1A, -A1B, -A2A, -A2B, -A2C, -A3A, -A3B, -A3C, -E1A, -E1B, -E1C, -E2A, -E2G, -E3D
Bearing, Crankshaft	SL68763A M06	60810 M06, 60933 M06, 68763 M06, 69501 M06, LW-14451 M06	Test and Computations per 14CFR § 21.303, <u>DWG No:</u> SL 68763A, <u>Rev:</u> L <u>Date:</u> 04/22/2010 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1A, -C1B, -C1C, -C2A, -C2B, -C2C, -F2A, -F2B, -H2C, -J2A, -J2B, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -N2A, -N2C, -P1, -P2A, -P2C O-290-D, -D2, -D2A, -D2B, -D2C AEIO-320-E2B IO-320-E2B O-320-A1A, -A1B, -A2A, -A2B, -A2C, -A3A, -A3B, -A3C, -E1A, -E1B, -E1C, -E2A, -E2G, -E3D

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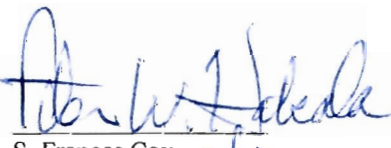
PMA NO. PQ0060SW
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Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Bearing, Crankshaft	SL68763A M10	60810 M10, 60933 M10, 68763 M10, 69501 M10, LW-14451 M10	Test and Computations per 14CFR § 21.303, <u>DWG No: SL 68763A</u> , <u>Rev: L</u> <u>Date: 04/22/2010 or later</u> FAA-approved revisions	Lycoming Engines	O-235-C1, -C1A, -C1B, -C1C, -C2A, -C2B, -C2C, -F2A, -F2B, -H2C, -J2A, -J2B, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -N2A, -N2C, -P1, -P2A, -P2C O-290-D, -D2, -D2A, -D2B, -D2C AEIO-320-E2B IO-320-E2B O-320-A1A, -A1B, -A2A, -A2B, -A2C, -A3A, -A3B, -A3C, -E1A, -E1B, -E1C, -E2A, -E2G, -E3D

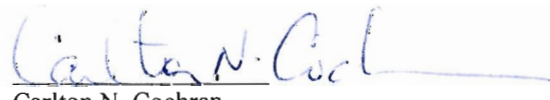
-----End of Listing-----

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 108, revision 4, dated March 17, 2011, updates Supplement 108, revision 3 dated February 25, 2010. The purpose of the revision is to include over-sized and under-sized parts, not previously listed on Supplement 108, revision 3. Supplement 108, revision 3 dated February 25, 2010, remains in effect.


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

3/21/11


Carlton N. Cochran
Manager, Fort Worth Manufacturing Inspection District Office
SW M1DO-42