



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 licensing agreement submitted by submitted by AVCO-Lycoming , with your letter dated March 10, 2011 (FAAL-1381) and March 28, 2001 (FAAL-1446) 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. 38, revision 2. Supplement No. 38, revision 2, dated April 15, 2011, updates Supplement No. 38, revision 1. The purpose of the revision is to include over-sized and under-sized parts, not previously listed on Supplement No. 38, revision 1. Supplement No. 38, revision 1 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. 38, revision 2. 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. 38, revision 2



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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. 38
REVISION 2
DATE April 15, 2011

| Part Name | Part Number | Approved Replacement For Part Number | Approval Basis and Approved Design Data | Make Eligibility | Model Eligibility |
|-------------------------|-------------|--------------------------------------|---|------------------|---|
| Bearing, Rod Connecting | SL61662 | 61662 | Identity per 14 CFR § 21.303, licensing agreement between Lycoming and Superior Air Parts, dated 01/29/1981. <u>DWG No:</u> SA61662, <u>Rev:</u> AE <u>Date:</u> 05/31/1984 or later FAA-approved revisions | Lycoming Engines | O-235-C1, -C1B, -C1C, -C2A, -C2B, -F1B, -F2A, -G2B, -H2C, -J2B, -K2A, -K2B, -K2C, -L2A, -L2C, -M3C, -N2A, -P1, -P3C O-290-11, -D2A, -D2B, -D2C O-320-A1A, -A2A, -A3A, -A1B, -A2B, -A2D, -A3B, -A3C, -B1A, -B2A, -B3A, -B1B, -B2B, -B2C, -C3C, -D1AD, -D1B, -D1C, -D2C, -D2F, -D2G, -D2H, -D2J, -E1A, -E1B, -E1C, -E2C, -E2E, -E3D, -E1F, -E2F, -E2G, -E2H, -H1AD AEIO-320-E2B AIO-320-B1B IO-320-A2A, -B2A, -B1E, -C1F, -D1A, -D1C, -E1A, -E1B, -E2A, -F1A LIO-320-B1A O-340-A1A, -A1B, -A2A, -B1A LHIO-360-F1AD O-435-A, -4, -25 GO-435-C2(11), -C2(11A), -C2(118), -C2A, -C2A2, -C2B, -C2B1, -C2B2, -C2B2-6 GO-480-B1A6, -B1B, -B1C, -D1B, -F6, -F1A6, -F3A6 |

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|-------------------------|-------------|--------------------------------------|--|------------------|---|
| Bearing, Rod Connecting | SL61662-P10 | 61662 P10 | Identicality per 14 CFR § 21.303, licensing agreement between Avco Lycoming and Superior Air Parts, dated 01/29/1981. <u>DWG No:</u> SA61662, <u>Rev:</u> AE <u>Date:</u> 05/31/1984 or later FAA-approved revisions | Lycoming Engines | O-235-C1, -C1B, -C1C, -C2A, -C2B, -F1B, -F2A, -G2B, -H2C, -J2B, -K2A, -K2B, -K2C, -L2A, -L2C, -M3C, -N2A, -P1, -P3C O-290-11, -D2A, -D2B, -D2C O-320-A1A, -A2A, -A3A, -A1B, -A2B, -A2D, -A3B, -A3C, -B1A, -B2A, -B3A, -B1B, -B2B, -B2C, -C3C, -D1AD, -D1B, -D1C, -D2C, -D2F, -D2G, -D2H, -D2J, -E1A, -E1B, -E1C, -E2C, -E2E, -E3D, -E1F, -E2F, -E2G, -E2H, -H1AD AE1O-320-E2B A1O-320-B1B 1O-320-A2A, -B2A, -B1E, -C1F, -D1A, -D1C, -E1A, -E1B, -E2A, -F1A L1O-320-B1A O-340-A1A, -A1B, -A2A, -B1A LH1O-360-F1AD O-435-A, -4, -25 GO-435-C2(11), -C2(11A), -C2(118), -C2A, -C2A2, -C2B, -C2B1, -C2B2, -C2B2-6 GO-480-B1A6, -B1B, -B1C, -D1B, -F6, -F1A6, -F3A6 |

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| Bearing, Rod Connecting | SL61662-M03 | 61662 M03 | Identicality per 14 CFR § 21.303, licensing agreement between Avco Lycoming and Superior Air Parts, dated 01/29/1981. <u>DWG No:</u> SA61662, <u>Rev:</u> AE <u>Date:</u> 05/31/1984 or later FAA-approved revisions | Lycoming Engines | O-235-C1, -C1B, -C1C, -C2A, -C2B, -F1B, -F2A, -G2B, -H2C, -J2B, -K2A, -K2B, -K2C, -L2A, -L2C, -M3C, -N2A, -P1, -P3C O-290-11, -D2A, -D2B, -D2C O-320-A1A, -A2A, -A3A, -A1B, -A2B, -A2D, -A3B, -A3C, -B1A, -B2A, -B3A, -B1B, -B2B, -B2C, -C3C, -D1AD, -D1B, -D1C, -D2C, -D2F, -D2G, -D2H, -D2J, -E1A, -E1B, -E1C, -E2C, -E2E, -E3D, -E1F, -E2F, -E2G, -E2H, -H1AD AEIO-320-E2B AIO-320-B1B IO-320-A2A, -B2A, -B1E, -C1F, -D1A, -D1C, -E1A, -E1B, -E2A, -F1A LIO-320-B1A O-340-A1A, -A1B, -A2A, -B1A LHIO-360-F1AD O-435-A, -4, -25 GO-435-C2(11), -C2(11A), -C2(118), -C2A, -C2A2, -C2B, -C2B1, -C2B2, -C2B2-6 GO-480-B1A6, -B1B, -B1C, -D1B, -F6, -F1A6, -F3A6 |

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| Bearing, Rod Connecting | SL61662-M03-P10 | 61662 M03-P10 | Identicality per 14 CFR § 21.303, licensing agreement between Avco Lycoming and Superior Air Parts, dated 01/29/1981. <u>DWG No:</u> SA61662, <u>Rev:</u> AE <u>Date:</u> 05/31/1984 or later FAA-approved revisions | Lycoming Engines | O-235-C1, -C1B, -C1C, -C2A, -C2B, -F1B, -F2A, -G2B, -H2C, -J2B, -K2A, -K2B, -K2C, -L2A, -L2C, -M3C, -N2A, -P1, -P3C O-290-11, -D2A, -D2B, -D2C O-320-A1A, -A2A, -A3A, -A1B, -A2B, -A2D, -A3B, -A3C, -B1A, -B2A, -B3A, -B1B, -B2B, -B2C, -C3C, -D1AD, -D1B, -D1C, -D2C, -D2F, -D2G, -D2H, -D2J, -E1A, -E1B, -E1C, -E2C, -E2E, -E3D, -E1F, -E2F, -E2G, -E2H, -H1AD AEIO-320-E2B AIO-320-B1B IO-320-A2A, -B2A, -B1E, -C1F, -D1A, -D1C, -E1A, -E1B, -E2A, -F1A LIO-320-B1A O-340-A1A, -A1B, -A2A, -B1A LHIO-360-F1AD O-435-A, -4, -25 GO-435-C2(11), -C2(11A), -C2(118), -C2A, -C2A2, -C2B, -C2B1, -C2B2, -C2B2-6 GO-480-B1A6, -B1B, -B1C, -D1B, -F6, -F1A6, -F3A6 |

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| Bearing, Rod Connecting | SL61662-M06 | 61662 M06 | Identicality per 14 CFR § 21.303, licensing agreement between Avco Lycoming and Superior Air Parts, dated 01/29/1981. <u>DWG No:</u> SA61662, <u>Rev:</u> AE <u>Date:</u> 05/31/1984 or later FAA-approved revisions | Lycoming Engines | O-235-C1, -C1B, -C1C, -C2A, -C2B, -F1B, -F2A, -G2B, -H2C, -J2B, -K2A, -K2B, -K2C, -L2A, -L2C, -M3C, -N2A, -P1, -P3C O-290-11, -D2A, -D2B, -D2C O-320-A1A, -A2A, -A3A, -A1B, -A2B, -A2D, -A3B, -A3C, -B1A, -B2A, -B3A, -B1B, -B2B, -B2C, -C3C, -D1AD, -D1B, -D1C, -D2C, -D2F, -D2G, -D2H, -D2J, -E1A, -E1B, -E1C, -E2C, -E2E, -E3D, -E1F, -E2F, -E2G, -E2H, -H1AD AEIO-320-E2B AIO-320-B1B IO-320-A2A, -B2A, -B1E, -C1F, -D1A, -D1C, -E1A, -E1B, -E2A, -F1A LIO-320-B1A O-340-A1A, -A1B, -A2A, -B1A LHIO-360-F1AD O-435-A, -4, -25 GO-435-C2(11), -C2(11A), -C2(118), -C2A, -C2A2, -C2B, -C2B1, -C2B2, -C2B2-6 GO-480-B1A6, -B1B, -B1C, -D1B, -F6, -F1A6, -F3A6 |

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| Bearing, Rod Connecting | SL61662-M06-P10 | 61662 M06 P10 | Identicality per 14 CFR § 21.303, licensing agreement between Avco Lycoming and Superior Air Parts, dated 01/29/1981. <u>DWG No:</u> SA61662. <u>Rev:</u> AE <u>Date:</u> 05/31/1984 or later FAA-approved revisions | Lycoming Engines | O-235-C1, -C1B, -C1C, -C2A, -C2B, -F1B, -F2A, -G2B, -H2C, -J2B, -K2A, -K2B, -K2C, -L2A, -L2C, -M3C, -N2A, -P1, -P3C O-290-11, -D2A, -D2B, -D2C O-320-A1A, -A2A, -A3A, -A1B, -A2B, -A2D, -A3B, -A3C, -B1A, -B2A, -B3A, -B1B, -B2B, -B2C, -C3C, -D1AD, -D1B, -D1C, -D2C, -D2F, -D2G, -D2H, -D2J, -E1A, -E1B, -E1C, -E2C, -E2E, -E3D, -E1F, -E2F, -E2G, -E2H, -H1AD AEIO-320-E2B AIO-320-B1B IO-320-A2A, -B2A, -B1E, -C1F, -D1A, -D1C, -E1A, -E1B, -E2A, -F1A LIO-320-B1A O-340-A1A, -A1B, -A2A, -B1A LHIO-360-F1AD O-435-A, -4, -25 GO-435-C2(11), -C2(11A), -C2(118), -C2A, -C2A2, -C2B, -C2B1, -C2B2, -C2B2-6 GO-480-B1A6, -B1B, -B1C, -D1B, -F6, -F1A6, -F3A6 |

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|-------------------------|-------------|--------------------------------------|--|------------------|---|
| Bearing, Rod Connecting | SL61662-M10 | 61662 M10 | Identicality per 14 CFR § 21.303, licensing agreement between Avco Lycoming and Superior Air Parts, dated 01/29/1981. <u>DWG No:</u> SA61662, <u>Rev:</u> AE <u>Date:</u> 05/31/1984 or later FAA-approved revisions | Lycoming Engines | O-235-C1, -C1B, -C1C, -C2A, -C2B, -F1B, -F2A, -G2B, -H2C, -J2B, -K2A, -K2B, -K2C, -L2A, -L2C, -M3C, -N2A, -P1, -P3C O-290-11, -D2A, -D2B, -D2C O-320-A1A, -A2A, -A3A, -A1B, -A2B, -A2D, -A3B, -A3C, -B1A, -B2A, -B3A, -B1B, -B2B, -B2C, -C3C, -D1AD, -D1B, -D1C, -D2C, -D2F, -D2G, -D2H, -D2J, -E1A, -E1B, -E1C, -E2C, -E2E, -E3D, -E1F, -E2F, -E2G, -E2H, -H1AD AEIO-320-E2B AIO-320-B1B IO-320-A2A, -B2A, -B1E, -C1F, -D1A, -D1C, -E1A, -E1B, -E2A, -F1A LIO-320-B1A O-340-A1A, -A1B, -A2A, -B1A LHIO-360-F1AD O-435-A, -4, -25 GO-435-C2(11), -C2(11A), -C2(118), -C2A, -C2A2, -C2B, -C2B1, -C2B2, -C2B2-6 GO-480-B1A6, -B1B, -B1C, -D1B, -F6, -F1A6, -F3A6 |

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|-------------------------|-----------------|--------------------------------------|--|------------------|---|
| Bearing, Rod Connecting | SL61662-M10-P10 | 61662 M10 P10 | Identicality per 14 CFR § 21.303, licensing agreement between Avco Lycoming and Superior Air Parts, dated 01/29/1981. <u>DWG No:</u> SA61662, <u>Rev:</u> AE <u>Date:</u> 05/31/1984 or later FAA-approved revisions | Lycoming Engines | O-235-C1, -C1B, -C1C, -C2A, -C2B, -F1B, -F2A, -G2B, -H2C, -J2B, -K2A, -K2B, -K2C, -L2A, -L2C, -M3C, -N2A, -P1, -P3C O-290-11, -D2A, -D2B, -D2C O-320-A1A, -A2A, -A3A, -A1B, -A2B, -A2D, -A3B, -A3C, -B1A, -B2A, -B3A, -B1B, -B2B, -B2C, -C3C, -D1AD, -D1B, -D1C, -D2C, -D2F, -D2G, -D2H, -D2J, -E1A, -E1B, -E1C, -E2C, -E2E, -E3D, -E1F, -E2F, -E2G, -E2H, -H1AD AEIO-320-E2B AIO-320-B1B IO-320-A2A, -B2A, -B1E, -C1F, -D1A, -D1C, -E1A, -E1B, -E2A, -F1A LIO-320-B1A O-340-A1A, -A1B, -A2A, -B1A LHIO-360-F1AD O-435-A, -4, -25 GO-435-C2(11), -C2(11A), -C2(118), -C2A, -C2A2, -C2B, -C2B1, -C2B2, -C2B2-6 GO-480-B1A6, -B1B, -B1C, -D1B, -F6, -F1A6, -F3A6 |

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| Piston | SL10207 | LW-10207-S | Identicality per 14 CFR § 21.303, licensing agreement between Avco Lycoming and Superior Air Parts, dated 01/29/1981. <u>DWG NO:</u> SL10207, <u>REV:</u> V <u>DATE:</u> 09/22/2009 or later FAA-approved revisions | Lycoming Engines | AEIO-360-A1A, -A1B, -A1B6, -A1C, -A2A, -A2B, -A2C, -A2D, -B1B AIO-360-A1A, -A1B, -A2A, -A2B, -B1B HIO-360-A1A, -C1A, -C1B, -F1AD IO-360-A1A, -A1B, -A1B6, -A1B6D, -A1C, -A1C6, -A1D, -A1D6, -A1D6D, -A2A, -A2B, -A2C, -A3B6D, -A3D6D, -B2F6, -C1A, -C1B, -C1C, -C1C6, -C1D6, -C1E, -C1E6, -C1E6D, -C1F, -D1A, -F1A, -J1AD, -J1A6D, -K2A LHIO-360-C1A LIO-360-C1E, -C1E6, -C1E6D HO-360-B1B O-360-G1A6 GO-480-B1E6, -C1B6, -C1D6, -C2C6, -C2D6, -C2E6, -F4B6, -G1A6, -G1AG, -G1B6, -G1D6, -G1E6, -G1F6, -G1G6, -G1H6, -G1J6, -G2D6, -G2F6 IGO-480-A1A6, -A1B6 AEIO-540-D4C5, -L1B5, -L1B5D HIO-540-A1A IO-540-A1A5, -B1A5, -B1B5, -B1C5, -D4C5, -E1A5, -E1B5, -E1C5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1C5, -K1D5, -K1E5, -K1E5D, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1H5, -K1J5, -K1J5D, -K1K5, -K2A5, -L1A5, -L1A5D, -L1B5D, -L1C5, -M1A5, -M1A5D, -M1B5, -M1B5D, -N1A5D, -P1A5, -R1A5, -S1A5, -T4C5D, -U1A5D, -U1B5D IGO-540-A1A, -A1B, -A1C, -B1A, -B1B, -B1C IVO-540-A1A O-540-L3C5D VO-540-B1H3, -C1A, -C1B, -C1C3, -C2A, -C2B, -C2C TIGO-541-G1AD IO-720-A1A, -A1B, -A1BD, -B1A, -B1B, -B1BD, -C1B, -C1BD, -D1B, -D1BD, -D1C, -D1CD |

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|-----------|-------------|--------------------------------------|---|------------------|---|
| Piston | SL10207-P10 | LW-10207-S P10 | Identity per 14 CFR § 21.303, licensing agreement between Avco Lycoming and Superior Air Parts, dated 01/29/1981. <u>DWG NO:</u> SL10207, <u>REV:</u> V <u>DATE:</u> 09/22/2009 or later FAA-approved revisions | Lycoming Engines | AEIO-360-A1A, -A1B, -A1B6, -A1C, -A2A, -A2B, -A2C, -A2D, -B1B AIO-360-A1A, -A1B, -A2A, -A2B, -B1B HIO-360-A1A, -C1A, -C1B, -F1AD IO-360-A1A, -A1B, -A1B6, -A1B6D, -A1C, -A1C6, -A1D, -A1D6, -A1D6D, -A2A, -A2B, -A2C, -A3B6D, -A3D6D, -B2F6, -C1A, -C1B, -C1C, -C1C6, -C1D6, -C1E, -C1E6, -C1E6D, -C1F, -D1A, -F1A, -J1AD, -J1A6D, -K2A LHIO-360-C1A LIO-360-C1E, -C1E6, -C1E6D HO-360-B1B O-360-G1A6 GO-480-B1E6, -C1B6, -C1D6, -C2C6, -C2D6, -C2E6, -F4B6, -G1A6, -G1AG, -G1B6, -G1D6, -G1E6, -G1F6, -G1G6, -G1H6, -G1J6, -G2D6, -G2F6 IGO-480-A1A6, -A1B6 AEIO-540-D4C5, -L1B5, -L1B5D HIO-540-A1A IO-540-A1A5, -B1A5, -B1B5, -B1C5, -D4C5, -E1A5, -E1B5, -E1C5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1C5, -K1D5, -K1E5, -K1E5D, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1H5, -K1J5, -K1J5D, -K1K5, -K2A5, -L1A5, -L1A5D, -L1B5D, -L1C5, -M1A5, -M1A5D, -M1B5, -M1B5D, -N1A5D, -P1A5, -R1A5, -S1A5, -T4C5D, -U1A5D, -U1B5D IGO-540-A1A, -A1B, -A1C, -B1A, -B1B, -B1C IVO-540-A1A O-540-L3C5D VO-540-B1H3, -C1A, -C1B, -C1C3, -C2A, -C2B, -C2C TIGO-541-G1AD |

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. 38
 REVISION 2
 DATE April 15, 2011

| Part Name | Part Number | Approved Replacement For Part Number | Approval Basis and Approved Design Data | Make Eligibility | Model Eligibility |
|-----------|-------------|--------------------------------------|---|------------------|---|
| Piston | SL10207-P10 | LW-10207 P10 | Identity per 14 CFR § 21.303, licensing agreement between Avco Lycoming and Superior Air Parts, dated 01/29/1981. <u>DWG NO:</u> SL10207, <u>REV:</u> V <u>DATE:</u> 09/22/2009 or later FAA-approved revisions -----End of Listing----- | Lycoming Engines | IO-720-A1A, -A1B, -A1BD, -B1A, -B1B, -B1BD, -C1B, -C1BD, -D1B, -D1BD, -D1C, -D1CD |

NOTE:

1) The procedures that have been accepted by the type certificate or TSO authorization holder and their cognizant FAA Aircraft Certification Office, for minor changes to original articles used on type-certificated products, are also acceptable for incorporating the same minor changes on identical PMA replacement articles. The PMA holder must be able to show traceability relating to the TC, STC, or TSO authorization holder on all minor changes incorporated by this procedure. When these procedures are no longer applicable because of completion of the production contract, or termination of the licensing agreement or business relationship, all subsequent minor design changes to the PMA articles must be submitted in a manner as determined by the ACO. Major design changes (reference 14 CFR §§ 21.93 and 21.97) to drawings and specifications are to be handled in the same manner as that for an original PMA.

2) Revision number 2 dated 4/15/2011 updates supplement number 38 dated 9/28/1993. The purpose of the revision is to include over-sized and under-sized parts not previously listed on supplement number 38, revision 1. Supplement 38, revision 1, dated 9/28/1993, remains in effect.



Carlton N. Cochran
 Manager, Fort Worth Manufacturing
 Inspection District Office