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 12, 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 Computations submitted by Superior Air Parts, Inc., with your letter dated March 18, 2011 (FAAL-1405) 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. 180, revision 2. Supplement No. 180, revision 2, dated April 12, 2011, updates Supplement No. 180 dated April 5, 2001. The purpose of the revision is to include over-sized and under-sized parts, not previously listed on Supplement No. 180. Supplement No. 180 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. 180, revision 2. 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. 180, revision 2

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. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Stud ½ Dia. Fine Thread	SL50-14	50-14	Test and Computations per 14CFR § 21.303, DWG No: SL50, Rev: C Date: 11/12/2007 or later FAA-approved revisions	Lycoming Engines	AIO-320-B1B, -C1B IO-320-B1A, -B1C, -C1A, -D1A, -E1A, -E1B, -E2A, -E2B LIO-320-B1A, -C1A O-320-A2A, -A2B, -A2C, -A2D, -A3A, -A3B, -A3C, -B2A, -B2B, -B2C, -B3A, -B3B, -B3C, -D1A, -D1D, -D1F, -D2A, -D2B, -D2C, -D2G, -D2J, -D3G, -E1A O-340-A1A, -A2A, -B1A AEIO-360-A1E, -B1B, -B1G6, -H1A AIO-360-A1A, -A1B, -B1B HIO-360-A1A, -B1A, -C1A, -C1B, -D1A, -E1AD, -E1BD, -F1AD IO-360-A1A, -A1B, -A1B6, -A1B6D, -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 LIO-360-C1E6 HO-360-B1A, -B1B, -C1A LO-360-A1G6D, -A1H6 TIO-360-A1B, -C1A6D LTO-360-E1A6D TO-360-C1A6D, -E1A6D AEIO-540-D4A5, -D4B5, -L1B5 IO-540-AB1A5, -AC1A5, -A1A5. -B1A5, -B1C5, -C1B5, -C4B5, -C4C5, -C4D5D, -D4A5, -E1A5, -E1B5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1C5, -K1D5, -K1E5, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1J5, -K1J5D, -K1K5, -L1C5, -M1A5, -N1A5, -P1A5, -R1A5, -S1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -V4A5D, -W1A5, -W1A5D, -W3A5D

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Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Stud ½ Dia. Fine Thread	SL50-14	50-14	Test and Computations per 14CFR § 21.303, DWG No: SL50, Rev: C Date: 11/12/2007 or later FAA-approved revisions	Lycoming Engines	LTIO-540-J2B, -J2BD, -N2BD, -R2AD, -F2BD, -U2A, -V2AD TIO-540-AA1AD, -AB1AD, -AE2A, -AF1A, -AG1A, -AH1A, -AJ1A, -A1A, -A1B, -A2A, -A2B, -A2C, -C1A, -E1A, -F2BD, -G1A, -H1A, -J2B, -J2BD, -N2BD, -R2AD, -S1AD, -W2A O-540-A1A, -A1A5, -A1B5,-A1C5, -A1D, -A1D5, -A2B, -A3D5, -B1A5, -B1B5, -B2B5,-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -G2A5, -H1B5D, -J1A5D, -J3A5, -J3A5D, -J3C5D, -L3C5D, -H2B5D

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Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Stud ½ Dia. Fine Thread	SL50-14-P03	50-14 P03	Test and Computations per 14CFR § 21.303, DWG No: SL50, Rev: C Date: 11/12/2007 or later FAA-approved revisions	Lycoming Engines	AIO-320-B1B, -C1B IO-320-B1A, -B1C, -C1A, -D1A, -E1A, -E1B, -E2A, -E2B LIO-320-B1A, -C1A O-320-A2A, -A2B, -A2C, -A2D, -A3A, -A3B, -A3C, -B2A, -B2B, -B2C, -B3A, -B3B, -B3C, -D1A, -D1D, -D1F, -D2A, -D2B, -D2C, -D2G, -D2J, -D3G, -E1A O-340-A1A, -A2A, -B1A AEIO-360-A1E, -B1B, -B1G6, -H1A AIO-360-A1A, -A1B, -B1B HIO-360-A1A, -B1A, -C1A, -C1B, -D1A, -E1AD, -E1BD, -F1AD IO-360-A1A, -A1B, -A1B6, -A1B6D, -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 LIO-360-C1E6 HO-360-B1A, -B1B, -C1A LO-360-A1G6D, -A1H6 TIO-360-A1B, -C1A6D LTO-360-E1A6D TO-360-C1A6D, -E1A6D AEIO-540-D4A5, -D4B5, -L1B5 IO-540-AB1A5, -AC1A5, -A1A5. -B1A5, -B1C5, -C1B5, -C4B5, -C4C5, -C4D5D, -D4A5, -E1A5, -E1B5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1C5, -K1D5, -K1E5, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1J5, -K1J5D, -K1K5, -L1C5, -M1A5, -N1A5, -P1A5, -R1A5, -S1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -V4A5D, -W1A5, -W1A5D, -W3A5D

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Stud ½ Dia. Fine Thread	SL50-14-P03	50-14 P03	Test and Computations per 14CFR § 21.303, DWG No: SL50, Rev: C Date: 11/12/2007 or later FAA-approved revisions	Lycoming Engines	LTIO-540-J2B, -J2BD, -N2BD, -R2AD, -F2BD, -U2A, -V2AD TIO-540-AA1AD, -AB1AD, -AE2A, -AF1A, -AG1A, -AH1A, -AJ1A, -A1A, -A1B, -A2A, -A2B, -A2C, -C1A, -E1A, -F2BD, -G1A, -H1A, -J2B, -J2BD, -N2BD, -R2AD, -S1AD, -W2A O-540-A1A, -A1A5, -A1B5,-A1C5, -A1D, -A1D5, -A2B, -A3D5, -B1A5, -B1B5, -B2B5,-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -G2A5, -H1B5D, -J1A5D, -J3A5, -J3A5D, -J3C5D, -L3C5D, -H2B5D

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REVISION 2
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Stud ½ Dia. Fine Thread	SL50-14-P07	50-14 P07	Test and Computations per 14CFR § 21.303, DWG No: SL50, Rev: C Date: 11/12/2007 or later FAA-approved revisions	Lycoming Engines	AIO-320-B1B, -C1B IO-320-B1A, -B1C, -C1A, -D1A, -E1A, -E1B, -E2A, -E2B LIO-320-B1A, -C1A O-320-A2A, -A2B, -A2C, -A2D, -A3A, -A3B, -A3C, -B2A, -B2B, -B2C, -B3A, -B3B, -B3C, -D1A, -D1D, -D1F, -D2A, -D2B, -D2C, -D2G, -D2J, -D3G, -E1A O-340-A1A, -A2A, -B1A AEIO-360-A1E, -B1B, -B1G6, -H1A AIO-360-A1A, -A1B, -B1B HIO-360-A1A, -B1A, -C1A, -C1B, -D1A, -E1AD, -E1BD, -F1AD IO-360-A1A, -A1B, -A1B6, -A1B6D, -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 LIO-360-C1E6 HO-360-B1A, -B1B, -C1A LO-360-A1G6D, -A1H6 TIO-360-A1B, -C1A6D LTO-360-E1A6D TO-360-C1A6D, -E1A6D AEIO-540-D4A5, -D4B5, -L1B5 IO-540-AB1A5, -AC1A5, -A1A5. -B1A5, -B1C5, -C1B5, -C4B5, -C4C5, -C4D5D, -D4A5, -E1A5, -E1B5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1C5, -K1D5, -K1E5, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1J5, -K1J5D, -K1K5, -L1C5, -M1A5, -N1A5, -P1A5, -R1A5, -S1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -V4A5D, -W1A5, -W1A5D, -W3A5D

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Stud ½ Dia. Fine Thread	SL50-14-P07	50-14 P07	Test and Computations per 14CFR § 21.303, DWG No: SL50, Rev: C Date: 11/12/2007 or later FAA-approved revisions	Lycoming Engines	LTIO-540-J2B, -J2BD, -N2BD, -R2AD, -F2BD, -U2A, -V2AD TIO-540-AA1AD, -AB1AD, -AE2A, -AF1A, -AG1A, -AH1A, -AJ1A, -A1A, -A1B, -A2A, -A2B, -A2C, -C1A, -E1A, -F2BD, -G1A, -H1A, -J2B, -J2BD, -N2BD, -R2AD, -S1AD, -W2A O-540-A1A, -A1A5, -A1B5,-A1C5, -A1D, -A1D5, -A2B, -A3D5, -B1A5, -B1B5, -B2B5,-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -G2A5, -H1B5D, -J1A5D, -J3A5, -J3A5D, -J3C5D, -L3C5D, -H2B5D

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Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Stud ½ Dia. Fine Thread	SL50-14-P12	50-14 P12	Test and Computations per 14CFR § 21.303, DWG No: SL50, Rev: C Date: 11/12/2007 or later FAA-approved revisions	Lycoming Engines	AIO-320-B1B, -C1B IO-320-B1A, -B1C, -C1A, -D1A, -E1A, -E1B, -E2A, -E2B LIO-320-B1A, -C1A O-320-A2A, -A2B, -A2C, -A2D, -A3A, -A3B, -A3C, -B2A, -B2B, -B2C, -B3A, -B3B, -B3C, -D1A, -D1D, -D1F, -D2A, -D2B, -D2C, -D2G, -D2J, -D3G, -E1A O-340-A1A, -A2A, -B1A AEIO-360-A1E, -B1B, -B1G6, -H1A AIO-360-A1A, -A1B, -B1B HIO-360-A1A, -B1A, -C1A, -C1B, -D1A, -E1AD, -E1BD, -F1AD IO-360-A1A, -A1B, -A1B6, -A1B6D, -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 LIO-360-C1E6 HO-360-B1A, -B1B, -C1A LO-360-A1G6D, -A1H6 TIO-360-A1B, -C1A6D LTO-360-E1A6D TO-360-C1A6D, -E1A6D AEIO-540-D4A5, -D4B5, -L1B5 IO-540-AB1A5, -AC1A5, -A1A5. -B1A5, -B1C5, -C1B5, -C4B5, -C4C5, -C4D5D, -D4A5, -E1A5, -E1B5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1C5, -K1D5, -K1E5, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1J5, -K1J5D, -K1K5, -L1C5, -M1A5, -N1A5, -P1A5, -R1A5, -S1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -V4A5D, -W1A5, -W1A5D, -W3A5D

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Stud ½ Dia. Fine Thread	SL50-14-P12	50-14 P12	Test and Computations per 14CFR § 21.303, DWG No: SL50, Rev: C Date: 11/12/2007 or later FAA-approved revisions	Lycoming Engines	LTIO-540-J2B, -J2BD, -N2BD, -R2AD, -F2BD, -U2A, -V2AD TIO-540-AA1AD, -AB1AD, -AE2A, -AF1A, -AG1A, -AH1A, -AJ1A, -A1A, -A1B, -A2A, -A2B, -A2C, -C1A, -E1A, -F2BD, -G1A, -H1A, -J2B, -J2BD, -N2BD, -R2AD, -S1AD, -W2A O-540-A1A, -A1A5, -A1B5,-A1C5, -A1D, -A1D5, -A2B, -A3D5, -B1A5, -B1B5, -B2B5,-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -G2A5, -H1B5D, -J1A5D, -J3A5, -J3A5D, -J3C5D, -L3C5D, -H2B5D

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Stud ½ Dia. Fine Thread	SL50-15	50-15	Test and Computations per 14CFR § 21.303, DWG No: SL50, Rev: C Date: 11/12/2007 or later FAA-approved revisions	Lycoming Engines	AIO-320-B1B, -C1B IO-320-B1A, -B1C, -C1A, -D1A, -E1A, -E1B, -E2A, -E2B LIO-320-B1A, -C1A O-320-A2A, -A2B, -A2C, -A2D, -A3A, -A3B, -A3C, -B2A, -B2B, -B2C, -B3A, -B3B, -B3C, -D1A, -D1D, -D1F, -D2A, -D2B, -D2C, -D2G, -D2J, -D3G, -E1A O-340-A1A, -A2A, -B1A AEIO-360-A1E, -B1B, -B1G6, -H1A AIO-360-A1A, -A1B, -B1B HIO-360-A1A, -B1A, -C1A, -C1B, -D1A, -E1AD, -E1BD, -F1AD IO-360-A1A, -A1B, -A1B6, -A1B6D, -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 LIO-360-C1E6 HO-360-B1A, -B1B, -C1A LO-360-A1G6D, -A1H6 TIO-360-A1B, -C1A6D LTO-360-E1A6D TO-360-C1A6D, -E1A6D AEIO-540-D4A5, -D4B5, -L1B5 IO-540-AB1A5, -AC1A5, -A1A5. -B1A5, -B1C5, -C1B5, -C4B5, -C4C5, -C4D5D, -D4A5, -E1A5, -E1B5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1C5, -K1D5, -K1E5, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1J5, -K1J5D, -K1K5, -L1C5, -M1A5, -N1A5, -P1A5, -R1A5, -S1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -V4A5D, -W1A5, -W1A5D, -W3A5D

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Stud ½ Dia. Fine Thread	SL50-15	50-15	Test and Computations per 14CFR § 21.303, DWG No: SL50, Rev: C Date: 11/12/2007 or later FAA-approved revisions	Lycoming Engines	LTIO-540-J2B, -J2BD, -N2BD, -R2AD, -F2BD, -U2A, -V2AD TIO-540-AA1AD, -AB1AD, -AE2A, -AF1A, -AG1A, -AH1A, -AJ1A, -A1A, -A1B, -A2A, -A2B, -A2C, -C1A, -E1A, -F2BD, -G1A, -H1A, -J2B, -J2BD, -N2BD, -R2AD, -S1AD, -W2A O-540-A1A, -A1A5, -A1B5,-A1C5, -A1D, -A1D5, -A2B, -A3D5, -B1A5, -B1B5, -B2B5,-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -G2A5, -H1B5D, -J1A5D, -J3A5, -J3A5D, -J3C5D, -L3C5D, -H2B5D

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Stud ½ Dia. Fine Thread	SL50-15-P03	50-15 P03	Test and Computations per 14CFR § 21.303, DWG No: SL50, Rev: C Date: 11/12/2007 or later FAA-approved revisions	Lycoming Engines	AIO-320-B1B, -C1B IO-320-B1A, -B1C, -C1A, -D1A, -E1A, -E1B, -E2A, -E2B LIO-320-B1A, -C1A O-320-A2A, -A2B, -A2C, -A2D, -A3A, -A3B, -A3C, -B2A, -B2B, -B2C, -B3A, -B3B, -B3C, -D1A, -D1D, -D1F, -D2A, -D2B, -D2C, -D2G, -D2J, -D3G, -E1A O-340-A1A, -A2A, -B1A AEIO-360-A1E, -B1B, -B1G6, -H1A AIO-360-A1A, -A1B, -B1B HIO-360-A1A, -B1A, -C1A, -C1B, -D1A, -E1AD, -E1BD, -F1AD IO-360-A1A, -A1B, -A1B6, -A1B6D, -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 LIO-360-C1E6 HO-360-B1A, -B1B, -C1A LO-360-A1G6D, -A1H6 TIO-360-A1B, -C1A6D LTO-360-E1A6D TO-360-C1A6D, -E1A6D AEIO-540-D4A5, -D4B5, -L1B5 IO-540-AB1A5, -AC1A5, -A1A5. -B1A5, -B1C5, -C1B5, -C4B5, -C4C5, -C4D5D, -D4A5, -E1A5, -E1B5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1C5, -K1D5, -K1E5, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1J5, -K1J5D, -K1K5, -L1C5, -M1A5, -N1A5, -P1A5, -R1A5, -S1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -V4A5D, -W1A5, -W1A5D, -W3A5D

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. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Stud ½ Dia. Fine Thread	SL50-15-P03	50-15 P03	Test and Computations per 14CFR § 21.303, DWG No: SL50, Rev: C Date: 11/12/2007 or later FAA-approved revisions	Lycoming Engines	LTIO-540-J2B, -J2BD, -N2BD, -R2AD, -F2BD, -U2A, -V2AD TIO-540-AA1AD, -AB1AD, -AE2A, -AF1A, -AG1A, -AH1A, -AJ1A, -A1A, -A1B, -A2A, -A2B, -A2C, -C1A, -E1A, -F2BD, -G1A, -H1A, -J2B, -J2BD, -N2BD, -R2AD, -S1AD, -W2A O-540-A1A, -A1A5, -A1B5,-A1C5, -A1D, -A1D5, -A2B, -A3D5, -B1A5, -B1B5, -B2B5,-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -G2A5, -H1B5D, -J1A5D, -J3A5, -J3A5D, -J3C5D, -L3C5D, -H2B5D

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

PMA NO. PQ0060SW
SUPPLEMENT NO. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Stud ½ Dia. Fine Thread	SL50-15-P07	50-15 P07	Test and Computations per 14CFR § 21.303, DWG No: SL50, Rev: C Date: 11/12/2007 or later FAA-approved revisions	Lycoming Engines	AIO-320-B1B, -C1B IO-320-B1A, -B1C, -C1A, -D1A, -E1A, -E1B, -E2A, -E2B LIO-320-B1A, -C1A O-320-A2A, -A2B, -A2C, -A2D, -A3A, -A3B, -A3C, -B2A, -B2B, -B2C, -B3A, -B3B, -B3C, -D1A, -D1D, -D1F, -D2A, -D2B, -D2C, -D2G, -D2J, -D3G, -E1A O-340-A1A, -A2A, -B1A AEIO-360-A1E, -B1B, -B1G6, -H1A AIO-360-A1A, -A1B, -B1B HIO-360-A1A, -B1A, -C1A, -C1B, -D1A, -E1AD, -E1BD, -F1AD IO-360-A1A, -A1B, -A1B6, -A1B6D, -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 LIO-360-C1E6 HO-360-B1A, -B1B, -C1A LO-360-A1G6D, -A1H6 TIO-360-A1B, -C1A6D LTO-360-E1A6D TO-360-C1A6D, -E1A6D AEIO-540-D4A5, -D4B5, -L1B5 IO-540-AB1A5, -AC1A5, -A1A5. -B1A5, -B1C5, -C1B5, -C4B5, -C4C5, -C4D5D, -D4A5, -E1A5, -E1B5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1C5, -K1D5, -K1E5, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1J5, -K1J5D, -K1K5, -L1C5, -M1A5, -N1A5, -P1A5, -R1A5, -S1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -V4A5D, -W1A5, -W1A5D, -W3A5D

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

PMA NO. PQ0060SW
SUPPLEMENT NO. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Stud ½ Dia. Fine Thread	SL50-15-P07	50-15 P07	Test and Computations per 14CFR § 21.303, DWG No: SL50, Rev: C Date: 11/12/2007 or later FAA-approved revisions	Lycoming Engines	LTIO-540-J2B, -J2BD, -N2BD, -R2AD, -F2BD, -U2A, -V2AD TIO-540-AA1AD, -AB1AD, -AE2A, -AF1A, -AG1A, -AH1A, -AJ1A, -A1A, -A1B, -A2A, -A2B, -A2C, -C1A, -E1A, -F2BD, -G1A, -H1A, -J2B, -J2BD, -N2BD, -R2AD, -S1AD, -W2A O-540-A1A, -A1A5, -A1B5,-A1C5, -A1D, -A1D5, -A2B, -A3D5, -B1A5, -B1B5, -B2B5,-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -G2A5, -H1B5D, -J1A5D, -J3A5, -J3A5D, -J3C5D, -L3C5D, -H2B5D

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

PMA NO. PQ0060SW
SUPPLEMENT NO. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Stud ½ Dia. Fine Thread	SL50-15-P12	50-15 P12	Test and Computations per 14CFR § 21.303, DWG No: SL50, Rev: C Date: 11/12/2007 or later FAA-approved revisions	Lycoming Engines	AIO-320-B1B, -C1B IO-320-B1A, -B1C, -C1A, -D1A, -E1A, -E1B, -E2A, -E2B LIO-320-B1A, -C1A O-320-A2A, -A2B, -A2C, -A2D, -A3A, -A3B, -A3C, -B2A, -B2B, -B2C, -B3A, -B3B, -B3C, -D1A, -D1D, -D1F, -D2A, -D2B, -D2C, -D2G, -D2J, -D3G, -E1A O-340-A1A, -A2A, -B1A AEIO-360-A1E, -B1B, -B1G6, -H1A AIO-360-A1A, -A1B, -B1B HIO-360-A1A, -B1A, -C1A, -C1B, -D1A, -E1AD, -E1BD, -F1AD IO-360-A1A, -A1B, -A1B6, -A1B6D, -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 LIO-360-C1E6 HO-360-B1A, -B1B, -C1A LO-360-A1G6D, -A1H6 TIO-360-A1B, -C1A6D LTO-360-E1A6D TO-360-C1A6D, -E1A6D AEIO-540-D4A5, -D4B5, -L1B5 IO-540-AB1A5, -AC1A5, -A1A5. -B1A5, -B1C5, -C1B5, -C4B5, -C4C5, -C4D5D, -D4A5, -E1A5, -E1B5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1C5, -K1D5, -K1E5, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1J5, -K1J5D, -K1K5, -L1C5, -M1A5, -N1A5, -P1A5, -R1A5, -S1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -V4A5D, -W1A5, -W1A5D, -W3A5D

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

PMA NO. PQ0060SW
SUPPLEMENT NO. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Stud ½ Dia. Fine Thread	SL50-15-P12	50-15 P12	Test and Computations per 14CFR § 21.303, DWG No: SL50, Rev: C Date: 11/12/2007 or later FAA-approved revisions	Lycoming Engines	LTIO-540-J2B, -J2BD, -N2BD, -R2AD, -F2BD, -U2A, -V2AD TIO-540-AA1AD, -AB1AD, -AE2A, -AF1A, -AG1A, -AH1A, -AJ1A, -A1A, -A1B, -A2A, -A2B, -A2C, -C1A, -E1A, -F2BD, -G1A, -H1A, -J2B, -J2BD, -N2BD, -R2AD, -S1AD, -W2A O-540-A1A, -A1A5, -A1B5,-A1C5, -A1D, -A1D5, -A2B, -A3D5, -B1A5, -B1B5, -B2B5,-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -G2A5, -H1B5D, -J1A5D, -J3A5, -J3A5D, -J3C5D, -L3C5D, -H2B5D

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

PMA NO. PQ0060SW
SUPPLEMENT NO. 180
REVISION 2
DATE April 12, 2011

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Stud ½ Dia. Fine Thread	SL50-16	50-16	Test and Computations per 14CFR § 21.303, DWG No: SL50, Rev: C Date: 11/12/2007 or later FAA-approved revisions	Lycoming Engines	AIO-320-B1B, -C1B IO-320-B1A, -B1C, -C1A, -D1A, -E1A, -E1B, -E2A, -E2B LIO-320-B1A, -C1A O-320-A2A, -A2B, -A2C, -A2D, -A3A, -A3B, -A3C, -B2A, -B2B, -B2C, -B3A, -B3B, -B3C, -D1A, -D1D, -D1F, -D2A, -D2B, -D2C, -D2G, -D2J, -D3G, -E1A O-340-A1A, -A2A, -B1A AEIO-360-A1E, -B1B, -B1G6, -H1A AIO-360-A1A, -A1B, -B1B HIO-360-A1A, -B1A, -C1A, -C1B, -D1A, -E1AD, -E1BD, -F1AD IO-360-A1A, -A1B, -A1B6, -A1B6D, -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 LIO-360-C1E6 HO-360-B1A, -B1B, -C1A LO-360-A1G6D, -A1H6 TIO-360-A1B, -C1A6D LTO-360-E1A6D TO-360-C1A6D, -E1A6D AEIO-540-D4A5, -D4B5, -L1B5 IO-540-AB1A5, -AC1A5, -A1A5. -B1A5, -B1C5, -C1B5, -C4B5, -C4C5, -C4D5D, -D4A5, -E1A5, -E1B5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1C5, -K1D5, -K1E5, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1J5, -K1J5D, -K1K5, -L1C5, -M1A5, -N1A5, -P1A5, -R1A5, -S1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -V4A5D, -W1A5, -W1A5D, -W3A5D

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. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Stud ½ Dia. Fine Thread	SL50-16	50-16	Test and Computations per 14CFR § 21.303, DWG No: SL50, Rev: C Date: 11/12/2007 or later FAA-approved revisions	Lycoming Engines	LTIO-540-J2B, -J2BD, -N2BD, -R2AD, -F2BD, -U2A, -V2AD TIO-540-AA1AD, -AB1AD, -AE2A, -AF1A, -AG1A, -AH1A, -AJ1A, -A1A, -A1B, -A2A, -A2B, -A2C, -C1A, -E1A, -F2BD, -G1A, -H1A, -J2B, -J2BD, -N2BD, -R2AD, -S1AD, -W2A O-540-A1A, -A1A5, -A1B5,-A1C5, -A1D, -A1D5, -A2B, -A3D5, -B1A5, -B1B5, -B2B5,-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -G2A5, -H1B5D, -J1A5D, -J3A5, -J3A5D, -J3C5D, -L3C5D, -H2B5D

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

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SUPPLEMENT NO. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Stud ½ Dia. Fine Thread	SL50-16-P03	50-16 P03	Test and Computations per 14CFR § 21.303, DWG No: SL50, Rev: C Date: 11/12/2007 or later FAA-approved revisions	Lycoming Engines	AIO-320-B1B, -C1B IO-320-B1A, -B1C, -C1A, -D1A, -E1A, -E1B, -E2A, -E2B LIO-320-B1A, -C1A O-320-A2A, -A2B, -A2C, -A2D, -A3A, -A3B, -A3C, -B2A, -B2B, -B2C, -B3A, -B3B, -B3C, -D1A, -D1D, -D1F, -D2A, -D2B, -D2C, -D2G, -D2J, -D3G, -E1A O-340-A1A, -A2A, -B1A AEIO-360-A1E, -B1B, -B1G6, -H1A AIO-360-A1A, -A1B, -B1B HIO-360-A1A, -B1A, -C1A, -C1B, -D1A, -E1AD, -E1BD, -F1AD IO-360-A1A, -A1B, -A1B6, -A1B6D, -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 LIO-360-C1E6 HO-360-B1A, -B1B, -C1A LO-360-A1G6D, -A1H6 TIO-360-A1B, -C1A6D LTO-360-E1A6D TO-360-C1A6D, -E1A6D AEIO-540-D4A5, -D4B5, -L1B5 IO-540-AB1A5, -AC1A5, -A1A5. -B1A5, -B1C5, -C1B5, -C4B5, -C4C5, -C4D5D, -D4A5, -E1A5, -E1B5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1C5, -K1D5, -K1E5, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1J5, -K1J5D, -K1K5, -L1C5, -M1A5, -N1A5, -P1A5, -R1A5, -S1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -V4A5D, -W1A5, -W1A5D, -W3A5D

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

PMA NO. PQ0060SW
SUPPLEMENT NO. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Stud ½ Dia. Fine Thread	SL50-16-P03	50-16 P03	Test and Computations per 14CFR § 21.303, DWG No: SL50, Rev: C Date: 11/12/2007 or later FAA-approved revisions	Lycoming Engines	LTIO-540-J2B, -J2BD, -N2BD, -R2AD, -F2BD, -U2A, -V2AD TIO-540-AA1AD, -AB1AD, -AE2A, -AF1A, -AG1A, -AH1A, -AJ1A, -A1A, -A1B, -A2A, -A2B, -A2C, -C1A, -E1A, -F2BD, -G1A, -H1A, -J2B, -J2BD, -N2BD, -R2AD, -S1AD, -W2A O-540-A1A, -A1A5, -A1B5,-A1C5, -A1D, -A1D5, -A2B, -A3D5, -B1A5, -B1B5, -B2B5,-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -G2A5, -H1B5D, -J1A5D, -J3A5, -J3A5D, -J3C5D, -L3C5D, -H2B5D

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

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SUPPLEMENT NO. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Stud ½ Dia. Fine Thread	SL50-16-P07	50-16 P07	Test and Computations per 14CFR § 21.303, DWG No: SL50, Rev: C Date: 11/12/2007 or later FAA-approved revisions	Lycoming Engines	AIO-320-B1B, -C1B IO-320-B1A, -B1C, -C1A, -D1A, -E1A, -E1B, -E2A, -E2B LIO-320-B1A, -C1A O-320-A2A, -A2B, -A2C, -A2D, -A3A, -A3B, -A3C, -B2A, -B2B, -B2C, -B3A, -B3B, -B3C, -D1A, -D1D, -D1F, -D2A, -D2B, -D2C, -D2G, -D2J, -D3G, -E1A O-340-A1A, -A2A, -B1A AEIO-360-A1E, -B1B, -B1G6, -H1A AIO-360-A1A, -A1B, -B1B HIO-360-A1A, -B1A, -C1A, -C1B, -D1A, -E1AD, -E1BD, -F1AD IO-360-A1A, -A1B, -A1B6, -A1B6D, -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 LIO-360-C1E6 HO-360-B1A, -B1B, -C1A LO-360-A1G6D, -A1H6 TIO-360-A1B, -C1A6D LTO-360-E1A6D TO-360-C1A6D, -E1A6D AEIO-540-D4A5, -D4B5, -L1B5 IO-540-AB1A5, -AC1A5, -A1A5. -B1A5, -B1C5, -C1B5, -C4B5, -C4C5, -C4D5D, -D4A5, -E1A5, -E1B5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1C5, -K1D5, -K1E5, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1J5, -K1J5D, -K1K5, -L1C5, -M1A5, -N1A5, -P1A5, -R1A5, -S1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -V4A5D, -W1A5, -W1A5D, -W3A5D

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

PMA NO. PQ0060SW
SUPPLEMENT NO. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Stud ½ Dia. Fine Thread	SL50-16-P07	50-16 P07	Test and Computations per 14CFR § 21.303, DWG No: SL50, Rev: C Date: 11/12/2007 or later FAA-approved revisions	Lycoming Engines	LTIO-540-J2B, -J2BD, -N2BD, -R2AD, -F2BD, -U2A, -V2AD TIO-540-AA1AD, -AB1AD, -AE2A, -AF1A, -AG1A, -AH1A, -AJ1A, -A1A, -A1B, -A2A, -A2B, -A2C, -C1A, -E1A, -F2BD, -G1A, -H1A, -J2B, -J2BD, -N2BD, -R2AD, -S1AD, -W2A O-540-A1A, -A1A5, -A1B5,-A1C5, -A1D, -A1D5, -A2B, -A3D5, -B1A5, -B1B5, -B2B5,-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -G2A5, -H1B5D, -J1A5D, -J3A5, -J3A5D, -J3C5D, -L3C5D, -H2B5D

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

PMA NO. PQ0060SW
SUPPLEMENT NO. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Stud ½ Dia. Fine Thread	SL50-16-P12	50-16 P12	Test and Computations per 14CFR § 21.303, DWG No: SL50, Rev: C Date: 11/12/2007 or later FAA-approved revisions	Lycoming Engines	AIO-320-B1B, -C1B IO-320-B1A, -B1C, -C1A, -D1A, -E1A, -E1B, -E2A, -E2B LIO-320-B1A, -C1A O-320-A2A, -A2B, -A2C, -A2D, -A3A, -A3B, -A3C, -B2A, -B2B, -B2C, -B3A, -B3B, -B3C, -D1A, -D1D, -D1F, -D2A, -D2B, -D2C, -D2G, -D2J, -D3G, -E1A O-340-A1A, -A2A, -B1A AEIO-360-A1E, -B1B, -B1G6, -H1A AIO-360-A1A, -A1B, -B1B HIO-360-A1A, -B1A, -C1A, -C1B, -D1A, -E1AD, -E1BD, -F1AD IO-360-A1A, -A1B, -A1B6, -A1B6D, -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 LIO-360-C1E6 HO-360-B1A, -B1B, -C1A LO-360-A1G6D, -A1H6 TIO-360-A1B, -C1A6D LTO-360-E1A6D TO-360-C1A6D, -E1A6D AEIO-540-D4A5, -D4B5, -L1B5 IO-540-AB1A5, -AC1A5, -A1A5. -B1A5, -B1C5, -C1B5, -C4B5, -C4C5, -C4D5D, -D4A5, -E1A5, -E1B5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1C5, -K1D5, -K1E5, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1J5, -K1J5D, -K1K5, -L1C5, -M1A5, -N1A5, -P1A5, -R1A5, -S1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -V4A5D, -W1A5, -W1A5D, -W3A5D

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

PMA NO. PQ0060SW
SUPPLEMENT NO. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Stud ½ Dia. Fine Thread	SL50-16-P12	50-16 P12	Test and Computations per 14CFR § 21.303, DWG No: SL50, Rev: C Date: 11/12/2007 or later FAA-approved revisions	Lycoming Engines	LTIO-540-J2B, -J2BD, -N2BD, -R2AD, -F2BD, -U2A, -V2AD TIO-540-AA1AD, -AB1AD, -AE2A, -AF1A, -AG1A, -AH1A, -AJ1A, -A1A, -A1B, -A2A, -A2B, -A2C, -C1A, -E1A, -F2BD, -G1A, -H1A, -J2B, -J2BD, -N2BD, -R2AD, -S1AD, -W2A O-540-A1A, -A1A5, -A1B5,-A1C5, -A1D, -A1D5, -A2B, -A3D5, -B1A5, -B1B5, -B2B5,-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -G2A5, -H1B5D, -J1A5D, -J3A5, -J3A5D, -J3C5D, -L3C5D, -H2B5D

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

PMA NO. PQ0060SW
SUPPLEMENT NO. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Stud ½ Dia. Fine Thread	SL50-29	50-29	Test and Computations per 14CFR § 21.303, DWG No: SL50, Rev: C Date: 11/12/2007 or later FAA-approved revisions	Lycoming Engines	AIO-320-B1B, -C1B IO-320-B1A, -B1C, -C1A, -D1A, -E1A, -E1B, -E2A, -E2B LIO-320-B1A, -C1A O-320-A2A, -A2B, -A2C, -A2D, -A3A, -A3B, -A3C, -B2A, -B2B, -B2C, -B3A, -B3B, -B3C, -D1A, -D1D, -D1F, -D2A, -D2B, -D2C, -D2G, -D2J, -D3G, -E1A O-340-A1A, -A2A, -B1A AEIO-360-A1E, -B1B, -B1G6, -H1A AIO-360-A1A, -A1B, -B1B HIO-360-A1A, -B1A, -C1A, -C1B, -D1A, -E1AD, -E1BD, -F1AD IO-360-A1A, -A1B, -A1B6, -A1B6D, -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 LIO-360-C1E6 HO-360-B1A, -B1B, -C1A LO-360-A1G6D, -A1H6 TIO-360-A1B, -C1A6D LTO-360-E1A6D TO-360-C1A6D, -E1A6D AEIO-540-D4A5, -D4B5, -L1B5 IO-540-AB1A5, -AC1A5, -A1A5. -B1A5, -B1C5, -C1B5, -C4B5, -C4C5, -C4D5D, -D4A5, -E1A5, -E1B5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1C5, -K1D5, -K1E5, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1J5, -K1J5D, -K1K5, -L1C5, -M1A5, -N1A5, -P1A5, -R1A5, -S1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -V4A5D, -W1A5, -W1A5D, -W3A5D

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

PMA NO. PQ0060SW
SUPPLEMENT NO. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Stud ½ Dia. Fine Thread	SL50-29	50-29	Test and Computations per 14CFR § 21.303, DWG No: SL50, Rev: C Date: 11/12/2007 or later FAA-approved revisions	Lycoming Engines	LTIO-540-J2B, -J2BD, -N2BD, -R2AD, -F2BD, -U2A, -V2AD TIO-540-AA1AD, -AB1AD, -AE2A, -AF1A, -AG1A, -AH1A, -AJ1A, -A1A, -A1B, -A2A, -A2B, -A2C, -C1A, -E1A, -F2BD, -G1A, -H1A, -J2B, -J2BD, -N2BD, -R2AD, -S1AD, -W2A O-540-A1A, -A1A5, -A1B5,-A1C5, -A1D, -A1D5, -A2B, -A3D5, -B1A5, -B1B5, -B2B5,-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -G2A5, -H1B5D, -J1A5D, -J3A5, -J3A5D, -J3C5D, -L3C5D, -H2B5D

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

PMA NO. PQ0060SW
SUPPLEMENT NO. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Stud ½ Dia. Fine Thread	SL50-29-P03	50-29 P03	Test and Computations per 14CFR § 21.303, DWG No: SL50, Rev: C Date: 11/12/2007 or later FAA-approved revisions	Lycoming Engines	AIO-320-B1B, -C1B IO-320-B1A, -B1C, -C1A, -D1A, -E1A, -E1B, -E2A, -E2B LIO-320-B1A, -C1A O-320-A2A, -A2B, -A2C, -A2D, -A3A, -A3B, -A3C, -B2A, -B2B, -B2C, -B3A, -B3B, -B3C, -D1A, -D1D, -D1F, -D2A, -D2B, -D2C, -D2G, -D2J, -D3G, -E1A O-340-A1A, -A2A, -B1A AEIO-360-A1E, -B1B, -B1G6, -H1A AIO-360-A1A, -A1B, -B1B HIO-360-A1A, -B1A, -C1A, -C1B, -D1A, -E1AD, -E1BD, -F1AD IO-360-A1A, -A1B, -A1B6, -A1B6D, -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 LIO-360-C1E6 HO-360-B1A, -B1B, -C1A LO-360-A1G6D, -A1H6 TIO-360-A1B, -C1A6D LTO-360-E1A6D TO-360-C1A6D, -E1A6D AEIO-540-D4A5, -D4B5, -L1B5 IO-540-AB1A5, -AC1A5, -A1A5. -B1A5, -B1C5, -C1B5, -C4B5, -C4C5, -C4D5D, -D4A5, -E1A5, -E1B5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1C5, -K1D5, -K1E5, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1J5, -K1J5D, -K1K5, -L1C5, -M1A5, -N1A5, -P1A5, -R1A5, -S1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -V4A5D, -W1A5, -W1A5D, -W3A5D

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

PMA NO. PQ0060SW
SUPPLEMENT NO. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Stud ½ Dia. Fine Thread	SL50-29-P03	50-29 P03	Test and Computations per 14CFR § 21.303, DWG No: SL50, Rev: C Date: 11/12/2007 or later FAA-approved revisions	Lycoming Engines	LTIO-540-J2B, -J2BD, -N2BD, -R2AD, -F2BD, -U2A, -V2AD TIO-540-AA1AD, -AB1AD, -AE2A, -AF1A, -AG1A, -AH1A, -AJ1A, -A1A, -A1B, -A2A, -A2B, -A2C, -C1A, -E1A, -F2BD, -G1A, -H1A, -J2B, -J2BD, -N2BD, -R2AD, -S1AD, -W2A O-540-A1A, -A1A5, -A1B5,-A1C5, -A1D, -A1D5, -A2B, -A3D5, -B1A5, -B1B5, -B2B5,-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -G2A5, -H1B5D, -J1A5D, -J3A5, -J3A5D, -J3C5D, -L3C5D, -H2B5D

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

PMA NO. PQ0060SW
SUPPLEMENT NO. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Stud ½ Dia. Fine Thread	SL50-29-P07	50-29 P07	Test and Computations per 14CFR § 21.303, DWG No: SL50, Rev: C Date: 11/12/2007 or later FAA-approved revisions	Lycoming Engines	AIO-320-B1B, -C1B IO-320-B1A, -B1C, -C1A, -D1A, -E1A, -E1B, -E2A, -E2B LIO-320-B1A, -C1A O-320-A2A, -A2B, -A2C, -A2D, -A3A, -A3B, -A3C, -B2A, -B2B, -B2C, -B3A, -B3B, -B3C, -D1A, -D1D, -D1F, -D2A, -D2B, -D2C, -D2G, -D2J, -D3G, -E1A O-340-A1A, -A2A, -B1A AEIO-360-A1E, -B1B, -B1G6, -H1A AIO-360-A1A, -A1B, -B1B HIO-360-A1A, -B1A, -C1A, -C1B, -D1A, -E1AD, -E1BD, -F1AD IO-360-A1A, -A1B, -A1B6, -A1B6D, -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 LIO-360-C1E6 HO-360-B1A, -B1B, -C1A LO-360-A1G6D, -A1H6 TIO-360-A1B, -C1A6D LTO-360-E1A6D TO-360-C1A6D, -E1A6D AEIO-540-D4A5, -D4B5, -L1B5 IO-540-AB1A5, -AC1A5, -A1A5. -B1A5, -B1C5, -C1B5, -C4B5, -C4C5, -C4D5D, -D4A5, -E1A5, -E1B5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1C5, -K1D5, -K1E5, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1J5, -K1J5D, -K1K5, -L1C5, -M1A5, -N1A5, -P1A5, -R1A5, -S1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -V4A5D, -W1A5, -W1A5D, -W3A5D

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

PMA NO. PQ0060SW
SUPPLEMENT NO. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Stud ½ Dia. Fine Thread	SL50-29-P07	50-29 P07	Test and Computations per 14CFR § 21.303, DWG No: SL50, Rev: C Date: 11/12/2007 or later FAA-approved revisions	Lycoming Engines	LTIO-540-J2B, -J2BD, -N2BD, -R2AD, -F2BD, -U2A, -V2AD TIO-540-AA1AD, -AB1AD, -AE2A, -AF1A, -AG1A, -AH1A, -AJ1A, -A1A, -A1B, -A2A, -A2B, -A2C, -C1A, -E1A, -F2BD, -G1A, -H1A, -J2B, -J2BD, -N2BD, -R2AD, -S1AD, -W2A O-540-A1A, -A1A5, -A1B5,-A1C5, -A1D, -A1D5, -A2B, -A3D5, -B1A5, -B1B5, -B2B5,-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -G2A5, -H1B5D, -J1A5D, -J3A5, -J3A5D, -J3C5D, -L3C5D, -H2B5D

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

PMA NO. PQ0060SW
SUPPLEMENT NO. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Stud ½ Dia. Fine Thread	SL50-29-P12	50-29 P12	Test and Computations per 14CFR § 21.303, DWG No: SL50, Rev: C Date: 11/12/2007 or later FAA-approved revisions	Lycoming Engines	AIO-320-B1B, -C1B IO-320-B1A, -B1C, -C1A, -D1A, -E1A, -E1B, -E2A, -E2B LIO-320-B1A, -C1A O-320-A2A, -A2B, -A2C, -A2D, -A3A, -A3B, -A3C, -B2A, -B2B, -B2C, -B3A, -B3B, -B3C, -D1A, -D1D, -D1F, -D2A, -D2B, -D2C, -D2G, -D2J, -D3G, -E1A O-340-A1A, -A2A, -B1A AEIO-360-A1E, -B1B, -B1G6, -H1A AIO-360-A1A, -A1B, -B1B HIO-360-A1A, -B1A, -C1A, -C1B, -D1A, -E1AD, -E1BD, -F1AD IO-360-A1A, -A1B, -A1B6, -A1B6D, -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 LIO-360-C1E6 HO-360-B1A, -B1B, -C1A LO-360-A1G6D, -A1H6 TIO-360-A1B, -C1A6D LTO-360-E1A6D TO-360-C1A6D, -E1A6D AEIO-540-D4A5, -D4B5, -L1B5 IO-540-AB1A5, -AC1A5, -A1A5. -B1A5, -B1C5, -C1B5, -C4B5, -C4C5, -C4D5D, -D4A5, -E1A5, -E1B5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1C5, -K1D5, -K1E5, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1J5, -K1J5D, -K1K5, -L1C5, -M1A5, -N1A5, -P1A5, -R1A5, -S1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -V4A5D, -W1A5, -W1A5D, -W3A5D

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

PMA NO. PQ0060SW
SUPPLEMENT NO. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Stud ½ Dia. Fine Thread	SL50-29-P12	50-29 P12	Test and Computations per 14CFR § 21.303, DWG No: SL50, Rev: C Date: 11/12/2007 or later FAA-approved revisions	Lycoming Engines	LTIO-540-J2B, -J2BD, -N2BD, -R2AD, -F2BD, -U2A, -V2AD TIO-540-AA1AD, -AB1AD, -AE2A, -AF1A, -AG1A, -AH1A, -AJ1A, -A1A, -A1B, -A2A, -A2B, -A2C, -C1A, -E1A, -F2BD, -G1A, -H1A, -J2B, -J2BD, -N2BD, -R2AD, -S1AD, -W2A O-540-A1A, -A1A5, -A1B5,-A1C5, -A1D, -A1D5, -A2B, -A3D5, -B1A5, -B1B5, -B2B5,-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -G2A5, -H1B5D, -J1A5D, -J3A5, -J3A5D, -J3C5D, -L3C5D, -H2B5D

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

PMA NO. PQ0060SW
SUPPLEMENT NO. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Stud ½ Dia. Fine Thread	SL50-52	50-52	Test and Computations per 14CFR § 21.303, DWG No: SL50, Rev: C Date: 11/12/2007 or later FAA-approved revisions	Lycoming Engines	AIO-320-B1B, -C1B IO-320-B1A, -B1C, -C1A, -D1A, -E1A, -E1B, -E2A, -E2B LIO-320-B1A, -C1A O-320-A2A, -A2B, -A2C, -A2D, -A3A, -A3B, -A3C, -B2A, -B2B, -B2C, -B3A, -B3B, -B3C, -D1A, -D1D, -D1F, -D2A, -D2B, -D2C, -D2G, -D2J, -D3G, -E1A O-340-A1A, -A2A, -B1A AEIO-360-A1E, -B1B, -B1G6, -H1A AIO-360-A1A, -A1B, -B1B HIO-360-A1A, -B1A, -C1A, -C1B, -D1A, -E1AD, -E1BD, -F1AD IO-360-A1A, -A1B, -A1B6, -A1B6D, -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 LIO-360-C1E6 HO-360-B1A, -B1B, -C1A LO-360-A1G6D, -A1H6 TIO-360-A1B, -C1A6D LTO-360-E1A6D TO-360-C1A6D, -E1A6D AEIO-540-D4A5, -D4B5, -L1B5 IO-540-AB1A5, -AC1A5, -A1A5. -B1A5, -B1C5, -C1B5, -C4B5, -C4C5, -C4D5D, -D4A5, -E1A5, -E1B5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1C5, -K1D5, -K1E5, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1J5, -K1J5D, -K1K5, -L1C5, -M1A5, -N1A5, -P1A5, -R1A5, -S1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -V4A5D, -W1A5, -W1A5D, -W3A5D

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

PMA NO. PQ0060SW
SUPPLEMENT NO. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Stud ½ Dia. Fine Thread	SL50-52	50-52	Test and Computations per 14CFR § 21.303, DWG No: SL50, Rev: C Date: 11/12/2007 or later FAA-approved revisions	Lycoming Engines	LTIO-540-J2B, -J2BD, -N2BD, -R2AD, -F2BD, -U2A, -V2AD TIO-540-AA1AD, -AB1AD, -AE2A, -AF1A, -AG1A, -AH1A, -AJ1A, -A1A, -A1B, -A2A, -A2B, -A2C, -C1A, -E1A, -F2BD, -G1A, -H1A, -J2B, -J2BD, -N2BD, -R2AD, -S1AD, -W2A O-540-A1A, -A1A5, -A1B5,-A1C5, -A1D, -A1D5, -A2B, -A3D5, -B1A5, -B1B5, -B2B5,-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -G2A5, -H1B5D, -J1A5D, -J3A5, -J3A5D, -J3C5D, -L3C5D, -H2B5D

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

PMA NO. PQ0060SW
SUPPLEMENT NO. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Stud ½ Dia. Fine Thread	SL50-52-P03	50-52 P03	Test and Computations per 14CFR § 21.303, DWG No: SL50, Rev: C Date: 11/12/2007 or later FAA-approved revisions	Lycoming Engines	AIO-320-B1B, -C1B IO-320-B1A, -B1C, -C1A, -D1A, -E1A, -E1B, -E2A, -E2B LIO-320-B1A, -C1A O-320-A2A, -A2B, -A2C, -A2D, -A3A, -A3B, -A3C, -B2A, -B2B, -B2C, -B3A, -B3B, -B3C, -D1A, -D1D, -D1F, -D2A, -D2B, -D2C, -D2G, -D2J, -D3G, -E1A O-340-A1A, -A2A, -B1A AEIO-360-A1E, -B1B, -B1G6, -H1A AIO-360-A1A, -A1B, -B1B HIO-360-A1A, -B1A, -C1A, -C1B, -D1A, -E1AD, -E1BD, -F1AD IO-360-A1A, -A1B, -A1B6, -A1B6D, -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 LIO-360-C1E6 HO-360-B1A, -B1B, -C1A LO-360-A1G6D, -A1H6 TIO-360-A1B, -C1A6D LTO-360-E1A6D TO-360-C1A6D, -E1A6D AEIO-540-D4A5, -D4B5, -L1B5 IO-540-AB1A5, -AC1A5, -A1A5. -B1A5, -B1C5, -C1B5, -C4B5, -C4C5, -C4D5D, -D4A5, -E1A5, -E1B5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1C5, -K1D5, -K1E5, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1J5, -K1J5D, -K1K5, -L1C5, -M1A5, -N1A5, -P1A5, -R1A5, -S1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -V4A5D, -W1A5, -W1A5D, -W3A5D

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

PMA NO. PQ0060SW
SUPPLEMENT NO. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Stud ½ Dia. Fine Thread	SL50-52-P03	50-52 P03	Test and Computations per 14CFR § 21.303, DWG No: SL50, Rev: C Date: 11/12/2007 or later FAA-approved revisions	Lycoming Engines	LTIO-540-J2B, -J2BD, -N2BD, -R2AD, -F2BD, -U2A, -V2AD TIO-540-AA1AD, -AB1AD, -AE2A, -AF1A, -AG1A, -AH1A, -AJ1A, -A1A, -A1B, -A2A, -A2B, -A2C, -C1A, -E1A, -F2BD, -G1A, -H1A, -J2B, -J2BD, -N2BD, -R2AD, -S1AD, -W2A O-540-A1A, -A1A5, -A1B5,-A1C5, -A1D, -A1D5, -A2B, -A3D5, -B1A5, -B1B5, -B2B5,-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -G2A5, -H1B5D, -J1A5D, -J3A5, -J3A5D, -J3C5D, -L3C5D, -H2B5D

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

PMA NO. PQ0060SW
SUPPLEMENT NO. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Stud ½ Dia. Fine Thread	SL50-52-P07	50-52 P07	Test and Computations per 14CFR § 21.303, DWG No: SL50, Rev: C Date: 11/12/2007 or later FAA-approved revisions	Lycoming Engines	AIO-320-B1B, -C1B IO-320-B1A, -B1C, -C1A, -D1A, -E1A, -E1B, -E2A, -E2B LIO-320-B1A, -C1A O-320-A2A, -A2B, -A2C, -A2D, -A3A, -A3B, -A3C, -B2A, -B2B, -B2C, -B3A, -B3B, -B3C, -D1A, -D1D, -D1F, -D2A, -D2B, -D2C, -D2G, -D2J, -D3G, -E1A O-340-A1A, -A2A, -B1A AEIO-360-A1E, -B1B, -B1G6, -H1A AIO-360-A1A, -A1B, -B1B HIO-360-A1A, -B1A, -C1A, -C1B, -D1A, -E1AD, -E1BD, -F1AD IO-360-A1A, -A1B, -A1B6, -A1B6D, -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 LIO-360-C1E6 HO-360-B1A, -B1B, -C1A LO-360-A1G6D, -A1H6 TIO-360-A1B, -C1A6D LTO-360-E1A6D TO-360-C1A6D, -E1A6D AEIO-540-D4A5, -D4B5, -L1B5 IO-540-AB1A5, -AC1A5, -A1A5. -B1A5, -B1C5, -C1B5, -C4B5, -C4C5, -C4D5D, -D4A5, -E1A5, -E1B5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1C5, -K1D5, -K1E5, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1J5, -K1J5D, -K1K5, -L1C5, -M1A5, -N1A5, -P1A5, -R1A5, -S1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -V4A5D, -W1A5, -W1A5D, -W3A5D

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

PMA NO. PQ0060SW
SUPPLEMENT NO. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Stud ½ Dia. Fine Thread	SL50-52-P07	50-52 P07	Test and Computations per 14CFR § 21.303, DWG No: SL50, Rev: C Date: 11/12/2007 or later FAA-approved revisions	Lycoming Engines	LTIO-540-J2B, -J2BD, -N2BD, -R2AD, -F2BD, -U2A, -V2AD TIO-540-AA1AD, -AB1AD, -AE2A, -AF1A, -AG1A, -AH1A, -AJ1A, -A1A, -A1B, -A2A, -A2B, -A2C, -C1A, -E1A, -F2BD, -G1A, -H1A, -J2B, -J2BD, -N2BD, -R2AD, -S1AD, -W2A O-540-A1A, -A1A5, -A1B5,-A1C5, -A1D, -A1D5, -A2B, -A3D5, -B1A5, -B1B5, -B2B5,-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -G2A5, -H1B5D, -J1A5D, -J3A5, -J3A5D, -J3C5D, -L3C5D, -H2B5D

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

PMA NO. PQ0060SW
SUPPLEMENT NO. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Stud ½ Dia. Fine Thread	SL50-52-P12	50-52 P12	Test and Computations per 14CFR § 21.303, DWG No: SL50, Rev: C Date: 11/12/2007 or later FAA-approved revisions	Lycoming Engines	AIO-320-B1B, -C1B IO-320-B1A, -B1C, -C1A, -D1A, -E1A, -E1B, -E2A, -E2B LIO-320-B1A, -C1A O-320-A2A, -A2B, -A2C, -A2D, -A3A, -A3B, -A3C, -B2A, -B2B, -B2C, -B3A, -B3B, -B3C, -D1A, -D1D, -D1F, -D2A, -D2B, -D2C, -D2G, -D2J, -D3G, -E1A O-340-A1A, -A2A, -B1A AEIO-360-A1E, -B1B, -B1G6, -H1A AIO-360-A1A, -A1B, -B1B HIO-360-A1A, -B1A, -C1A, -C1B, -D1A, -E1AD, -E1BD, -F1AD IO-360-A1A, -A1B, -A1B6, -A1B6D, -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 LIO-360-C1E6 HO-360-B1A, -B1B, -C1A LO-360-A1G6D, -A1H6 TIO-360-A1B, -C1A6D LTO-360-E1A6D TO-360-C1A6D, -E1A6D AEIO-540-D4A5, -D4B5, -L1B5 IO-540-AB1A5, -AC1A5, -A1A5. -B1A5, -B1C5, -C1B5, -C4B5, -C4C5, -C4D5D, -D4A5, -E1A5, -E1B5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1C5, -K1D5, -K1E5, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1J5, -K1J5D, -K1K5, -L1C5, -M1A5, -N1A5, -P1A5, -R1A5, -S1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -V4A5D, -W1A5, -W1A5D, -W3A5D

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

PMA NO. PQ0060SW
SUPPLEMENT NO. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Stud ½ Dia. Fine Thread	SL50-52-P12	50-52 P12	Test and Computations per 14CFR § 21.303, DWG No: SL50, Rev: C Date: 11/12/2007 or later FAA-approved revisions	Lycoming Engines	LTIO-540-J2B, -J2BD, -N2BD, -R2AD, -F2BD, -U2A, -V2AD TIO-540-AA1AD, -AB1AD, -AE2A, -AF1A, -AG1A, -AH1A, -AJ1A, -A1A, -A1B, -A2A, -A2B, -A2C, -C1A, -E1A, -F2BD, -G1A, -H1A, -J2B, -J2BD, -N2BD, -R2AD, -S1AD, -W2A O-540-A1A, -A1A5, -A1B5,-A1C5, -A1D, -A1D5, -A2B, -A3D5, -B1A5, -B1B5, -B2B5,-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -G2A5, -H1B5D, -J1A5D, -J3A5, -J3A5D, -J3C5D, -L3C5D, -H2B5D

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

PMA NO. PQ0060SW
SUPPLEMENT NO. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Tubing	SL12098-0-50	LW-12098-0-050, as indicated in Lycoming Service Instruction SI1301	Test and Computations per 14CFR § 21.303, DWG No: SL12098, Rev: B Date: 03/24/2003 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C2A, -C2C,-F2A, -F2B, -K2B, -L2A, -L2C,-P2A O-290-D2, -D2B, -D2C AIO-320-B1B, -C1B IO-320-B1A, -B1C, -C1A, -D1A, -D1B, -E1A, -E1B, -E2A, -E2B LIO-320-B1A, -C1A O-320-A2B, -A2C, -A3B, -B1A, -B2B, -B2C, -B3B, -D1D, -D2A, -D2B, -D2G, -E1A, -E2A, -E2B, -E2C, -E2D, -E2G, -E3D, -E3H AEIO-360-A1E, -B1G6, -H1A AIO-360-A1A, -A1B, -B1B 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, -B1G6, -B2F, -B2F6, -B4A, -C1A, -C1B, -C1C, -C1C6, -C1D6, -J1A6D, -L2A, -M1A LIO-360-C1E6 HO-360-C1A LO-360-A1G6D, -A1H6 O-360-A1A, -A1D, -A1F6D,-A1G6, -A1G6D, -A1H6, -A1P,-A2A,-A2D, -A2E, -A2F, -A2G,-A3A, -A4A, -A4G, -A4J, -ARK, -A5AD, -B2A, -B2C, -C1C, -C1G, -C2C, -D2A TIO-360-A1B TO-360-C1A6D

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

PMA NO. PQ0060SW
SUPPLEMENT NO. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Tubing	SL12098-0-50	LW-12098-0-050, as indicated in Lycoming Service Instruction SI1301	Test and Computations per 14CFR § 21.303, DWG No: SL12098, Rev: B Date: 03/24/2003 or later FAA-approved revisions	Lycoming Engines	AEIO-540-D4A5, -D4B5, -L1B5, -L1B5D IO-540-A1A5, -AB1A5, -AC1A5, -C1B5,-C4B5, -C4C5, -C4D5D, -D4A5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1C5, -K1D5, -K1E5, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1J5, -K1J5D, -K1K5, -L1C5, -N1A5, -P1A5, -R1A5, -S1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -V4A5D,-W1A5, -W1A5D, -W3A5D LTIO-540-F2BD, -J2B, -J2BD, -N2BD, -R2AD TIO-540-A2CAA1AD, -AB1AD, -AE2A, -AF1A, -AG1A, -AJ1A, -C1A, -E1A, -F2BD, -G1A, -H1A, -J2B, -J2BD, -N2BD, -R2AD, -S1AD, -W2A O-540-A1A5, -A1B5, -A1C5,-A1D, -A1D5, -A2B, -B1A5, -B2B5, -B2C5, -E4A5, -E4C5, -G1A5, -H2B5D, -J3A5

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DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Tubing	SL12098-0-90	LW-12098-0-090, as indicated in Lycoming Service Instruction SI1301	Test and Computations per 14CFR § 21.303, DWG No: SL12098, Rev: B Date: 03/24/2003 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C2A, -C2C,-F2A, -F2B, -K2B, -L2A, -L2C,-P2A O-290-D2, -D2B, -D2C AIO-320-B1B, -C1B IO-320-B1A, -B1C, -C1A, -D1A, -D1B, -E1A, -E1B, -E2A, -E2B LIO-320-B1A, -C1A O-320-A2B, -A2C, -A3B, -B1A, -B2B, -B2C, -B3B, -D1D, -D2A, -D2B, -D2G, -E1A, -E2A, -E2B, -E2C, -E2D, -E2G, -E3D, -E3H AEIO-360-A1E, -B1G6, -H1A AIO-360-A1A, -A1B, -B1B 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, -B1G6, -B2F, -B2F6, -B4A, -C1A, -C1B, -C1C, -C1C6, -C1D6, -J1A6D, -L2A, -M1A LIO-360-C1E6 HO-360-C1A LO-360-A1G6D, -A1H6 O-360-A1A, -A1D, -A1F6D,-A1G6, -A1G6D, -A1H6, -A1P,-A2A,-A2D, -A2E, -A2F, -A2G,-A3A, -A4A, -A4G, -A4J, -ARK, -A5AD, -B2A, -B2C, -C1C, -C1G, -C2C, -D2A 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
Tubing	SL12098-0-90	LW-12098-0- as indicated in Lycoming Service Instruction SI1301	Test and Computations per 14CFR § 21.303, DWG No: SL12098, Rev: B Date: 03/24/2003 or later FAA-approved revisions	Lycoming Engines	AEIO-540-D4A5, -D4B5, -L1B5, -L1B5D IO-540-A1A5, -AB1A5, -AC1A5, -C1B5,-C4B5, -C4C5, -C4D5D, -D4A5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1C5, -K1D5, -K1E5, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1J5, -K1J5D, -K1K5, -L1C5, -N1A5, -P1A5, -R1A5, -S1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -V4A5D,-W1A5, -W1A5D, -W3A5D LTIO-540-F2BD, -J2B, -J2BD, -N2BD, -R2AD TIO-540-A2CAA1AD, -AB1AD, -AE2A, -AF1A, -AG1A, -AJ1A, -C1A, -E1A, -F2BD, -G1A, -H1A, -J2B, -J2BD, -N2BD, -R2AD, -S1AD, -W2A O-540-A1A5, -A1B5, -A1C5,-A1D, -A1D5, -A2B, -B1A5, -B2B5, -B2C5, -E4A5, -E4C5, -G1A5, -H2B5D, -J3A5

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621 S. Royal Lane, Suite # 100
Coppell, TX 75019-3805

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DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Tubing	SL12098-0-100	LW-12098-0-100, as indicated in Lycoming Service Instruction SI1301	Test and Computations per 14CFR § 21.303, DWG No: SL12098, Rev: B Date: 03/24/2003 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C2A, -C2C,-F2A, -F2B, -K2B, -L2A, -L2C,-P2A O-290-D2, -D2B, -D2C AIO-320-B1B, -C1B IO-320-B1A, -B1C, -C1A, -D1A, -D1B, -E1A, -E1B, -E2A, -E2B LIO-320-B1A, -C1A O-320-A2B, -A2C, -A3B, -B1A, -B2B, -B2C, -B3B, -D1D, -D2A, -D2B, -D2G, -E1A, -E2A, -E2B, -E2C, -E2D, -E2G, -E3D, -E3H AEIO-360-A1E, -B1G6, -H1A AIO-360-A1A, -A1B, -B1B 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, -B1G6, -B2F, -B2F6, -B4A, -C1A, -C1B, -C1C, -C1C6, -C1D6, -J1A6D, -L2A, -M1A LIO-360-C1E6 HO-360-C1A LO-360-A1G6D, -A1H6 O-360-A1A, -A1D, -A1F6D,-A1G6, -A1G6D, -A1H6, -A1P,-A2A,-A2D, -A2E, -A2F, -A2G,-A3A, -A4A, -A4G, -A4J, -ARK, -A5AD, -B2A, -B2C, -C1C, -C1G, -C2C, -D2A TIO-360-A1B TO-360-C1A6D

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

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Tubing	SL12098-0-100	LW-12098-0-100, as indicated in Lycoming Service Instruction SI1301	Test and Computations per 14CFR § 21.303, DWG No: SL12098, Rev: B Date: 03/24/2003 or later FAA-approved revisions	Lycoming Engines	AEIO-540-D4A5, -D4B5, -L1B5, -L1B5D IO-540-A1A5, -AB1A5, -AC1A5, -C1B5,-C4B5, -C4C5, -C4D5D, -D4A5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1C5, -K1D5, -K1E5, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1J5, -K1J5D, -K1K5, -L1C5, -N1A5, -P1A5, -R1A5, -S1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -V4A5D,-W1A5, -W1A5D, -W3A5D LTIO-540-F2BD, -J2B, -J2BD, -N2BD, -R2AD TIO-540-A2CAA1AD, -AB1AD, -AE2A, -AF1A, -AG1A, -AJ1A, -C1A, -E1A, -F2BD, -G1A, -H1A, -J2B, -J2BD, -N2BD, -R2AD, -S1AD, -W2A O-540-A1A5, -A1B5, -A1C5,-A1D, -A1D5, -A2B, -B1A5, -B2B5, -B2C5, -E4A5, -E4C5, -G1A5, -H2B5D, -J3A5

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Tubing	SL12098-0-120	LW-12098-0-120, as indicated in Lycoming Service Instruction SI1301	Test and Computations per 14CFR § 21.303, DWG No: SL12098, Rev: B Date: 03/24/2003 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C2A, -C2C,-F2A, -F2B, -K2B, -L2A, -L2C,-P2A O-290-D2, -D2B, -D2C AIO-320-B1B, -C1B IO-320-B1A, -B1C, -C1A, -D1A, -D1B, -E1A, -E1B, -E2A, -E2B LIO-320-B1A, -C1A O-320-A2B, -A2C, -A3B, -B1A, -B2B, -B2C, -B3B, -D1D, -D2A, -D2B, -D2G, -E1A, -E2A, -E2B, -E2C, -E2D, -E2G, -E3D, -E3H AEIO-360-A1E, -B1G6, -H1A AIO-360-A1A, -A1B, -B1B 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, -B1G6, -B2F, -B2F6, -B4A, -C1A, -C1B, -C1C, -C1C6, -C1D6, -J1A6D, -L2A, -M1A LIO-360-C1E6 HO-360-C1A LO-360-A1G6D, -A1H6 O-360-A1A, -A1D, -A1F6D,-A1G6, -A1G6D, -A1H6, -A1P,-A2A,-A2D, -A2E, -A2F, -A2G,-A3A, -A4A, -A4G, -A4J, -ARK, -A5AD, -B2A, -B2C, -C1C, -C1G, -C2C, -D2A TIO-360-A1B TO-360-C1A6D

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Tubing	SL12098-0-120	LW-12098-0-120, as indicated in Lycoming Service Instruction SI1301	Test and Computations per 14CFR § 21.303, DWG No: SL12098, Rev: B Date: 03/24/2003 or later FAA-approved revisions	Lycoming Engines	AEIO-540-D4A5, -D4B5, -L1B5, -L1B5D IO-540-A1A5, -AB1A5, -AC1A5, -C1B5,-C4B5, -C4C5, -C4D5D, -D4A5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1C5, -K1D5, -K1E5, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1J5, -K1J5D, -K1K5, -L1C5, -N1A5, -P1A5, -R1A5, -S1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -V4A5D,-W1A5, -W1A5D, -W3A5D LTIO-540-F2BD, -J2B, -J2BD, -N2BD, -R2AD TIO-540-A2CAA1AD, -AB1AD, -AE2A, -AF1A, -AG1A, -AJ1A, -C1A, -E1A, -F2BD, -G1A, -H1A, -J2B, -J2BD, -N2BD, -R2AD, -S1AD, -W2A O-540-A1A5, -A1B5, -A1C5,-A1D, -A1D5, -A2B, -B1A5, -B2B5, -B2C5, -E4A5, -E4C5, -G1A5, -H2B5D, -J3A5

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

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Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Tubing	SL12098-0-130	LW-12098-0-130, as indicated in Lycoming Service Instruction SI1301	Test and Computations per 14CFR § 21.303, DWG No: SL12098, Rev: B Date: 03/24/2003 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C2A, -C2C,-F2A, -F2B, -K2B, -L2A, -L2C,-P2A O-290-D2, -D2B, -D2C AIO-320-B1B, -C1B IO-320-B1A, -B1C, -C1A, -D1A, -D1B, -E1A, -E1B, -E2A, -E2B LIO-320-B1A, -C1A O-320-A2B, -A2C, -A3B, -B1A, -B2B, -B2C, -B3B, -D1D, -D2A, -D2B, -D2G, -E1A, -E2A, -E2B, -E2C, -E2D, -E2G, -E3D, -E3H AEIO-360-A1E, -B1G6, -H1A AIO-360-A1A, -A1B, -B1B 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, -B1G6, -B2F, -B2F6, -B4A, -C1A, -C1B, -C1C, -C1C6, -C1D6, -J1A6D, -L2A, -M1A LIO-360-C1E6 HO-360-C1A LO-360-A1G6D, -A1H6 O-360-A1A, -A1D, -A1F6D,-A1G6, -A1G6D, -A1H6, -A1P,-A2A,-A2D, -A2E, -A2F, -A2G,-A3A, -A4A, -A4G, -A4J, -ARK, -A5AD, -B2A, -B2C, -C1C, -C1G, -C2C, -D2A 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
Tubing	SL12098-0-130	LW-12098-0-130, as indicated in Lycoming Service Instruction SI1301	Test and Computations per 14CFR § 21.303, DWG No: SL12098, Rev: B Date: 03/24/2003 or later FAA-approved revisions	Lycoming Engines	AEIO-540-D4A5, -D4B5, -L1B5, -L1B5D IO-540-A1A5, -AB1A5, -AC1A5, -C1B5,-C4B5, -C4C5, -C4D5D, -D4A5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1C5, -K1D5, -K1E5, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1J5, -K1J5D, -K1K5, -L1C5, -N1A5, -P1A5, -R1A5, -S1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -V4A5D,-W1A5, -W1A5D, -W3A5D LTIO-540-F2BD, -J2B, -J2BD, -N2BD, -R2AD TIO-540-A2CAA1AD, -AB1AD, -AE2A, -AF1A, -AG1A, -AJ1A, -C1A, -E1A, -F2BD, -G1A, -H1A, -J2B, -J2BD, -N2BD, -R2AD, -S1AD, -W2A O-540-A1A5, -A1B5, -A1C5,-A1D, -A1D5, -A2B, -B1A5, -B2B5, -B2C5, -E4A5, -E4C5, -G1A5, -H2B5D, -J3A5

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Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Tubing	SL12098-0-140	LW-12098-0-140, as indicated in Lycoming Service Instruction SI1301	Test and Computations per 14CFR § 21.303, DWG No: SL12098, Rev: B Date: 03/24/2003 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C2A, -C2C,-F2A, -F2B, -K2B, -L2A, -L2C,-P2A O-290-D2, -D2B, -D2C AIO-320-B1B, -C1B IO-320-B1A, -B1C, -C1A, -D1A, -D1B, -E1A, -E1B, -E2A, -E2B LIO-320-B1A, -C1A O-320-A2B, -A2C, -A3B, -B1A, -B2B, -B2C, -B3B, -D1D, -D2A, -D2B, -D2G, -E1A, -E2A, -E2B, -E2C, -E2D, -E2G, -E3D, -E3H AEIO-360-A1E, -B1G6, -H1A AIO-360-A1A, -A1B, -B1B 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, -B1G6, -B2F, -B2F6, -B4A, -C1A, -C1B, -C1C, -C1C6, -C1D6, -J1A6D, -L2A, -M1A LIO-360-C1E6 HO-360-C1A LO-360-A1G6D, -A1H6 O-360-A1A, -A1D, -A1F6D,-A1G6, -A1G6D, -A1H6, -A1P,-A2A,-A2D, -A2E, -A2F, -A2G,-A3A, -A4A, -A4G, -A4J, -ARK, -A5AD, -B2A, -B2C, -C1C, -C1G, -C2C, -D2A TIO-360-A1B TO-360-C1A6D

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Tubing	SL12098-0-140	LW-12098-0-140, as indicated in Lycoming Service Instruction SI1301	Test and Computations per 14CFR § 21.303, DWG No: SL12098, Rev: B Date: 03/24/2003 or later FAA-approved revisions	Lycoming Engines	AEIO-540-D4A5, -D4B5, -L1B5, -L1B5D IO-540-A1A5, -AB1A5, -AC1A5, -C1B5,-C4B5, -C4C5, -C4D5D, -D4A5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1C5, -K1D5, -K1E5, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1J5, -K1J5D, -K1K5, -L1C5, -N1A5, -P1A5, -R1A5, -S1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -V4A5D,-W1A5, -W1A5D, -W3A5D LTIO-540-F2BD, -J2B, -J2BD, -N2BD, -R2AD TIO-540-A2CAA1AD, -AB1AD, -AE2A, -AF1A, -AG1A, -AJ1A, -C1A, -E1A, -F2BD, -G1A, -H1A, -J2B, -J2BD, -N2BD, -R2AD, -S1AD, -W2A O-540-A1A5, -A1B5, -A1C5,-A1D, -A1D5, -A2B, -B1A5, -B2B5, -B2C5, -E4A5, -E4C5, -G1A5, -H2B5D, -J3A5

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DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Tubing	SL12098-0-150	LW-12098-0-150, as indicated in Lycoming Service Instruction SI1301	Test and Computations per 14CFR § 21.303, DWG No: SL12098, Rev: B Date: 03/24/2003 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C2A, -C2C,-F2A, -F2B, -K2B, -L2A, -L2C,-P2A O-290-D2, -D2B, -D2C AIO-320-B1B, -C1B IO-320-B1A, -B1C, -C1A, -D1A, -D1B, -E1A, -E1B, -E2A, -E2B LIO-320-B1A, -C1A O-320-A2B, -A2C, -A3B, -B1A, -B2B, -B2C, -B3B, -D1D, -D2A, -D2B, -D2G, -E1A, -E2A, -E2B, -E2C, -E2D, -E2G, -E3D, -E3H AEIO-360-A1E, -B1G6, -H1A AIO-360-A1A, -A1B, -B1B 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, -B1G6, -B2F, -B2F6, -B4A, -C1A, -C1B, -C1C, -C1C6, -C1D6, -J1A6D, -L2A, -M1A LIO-360-C1E6 HO-360-C1A LO-360-A1G6D, -A1H6 O-360-A1A, -A1D, -A1F6D,-A1G6, -A1G6D, -A1H6, -A1P,-A2A,-A2D, -A2E, -A2F, -A2G,-A3A, -A4A, -A4G, -A4J, -ARK, -A5AD, -B2A, -B2C, -C1C, -C1G, -C2C, -D2A TIO-360-A1B TO-360-C1A6D

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

PMA NO. PQ0060SW
SUPPLEMENT NO. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Tubing	SL12098-0-150	LW-12098-0-150, as indicated in Lycoming Service Instruction SI1301	Test and Computations per 14CFR § 21.303, DWG No: SL12098, Rev: B Date: 03/24/2003 or later FAA-approved revisions	Lycoming Engines	AEIO-540-D4A5, -D4B5, -L1B5, -L1B5D IO-540-A1A5, -AB1A5, -AC1A5, -C1B5,-C4B5, -C4C5, -C4D5D, -D4A5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1C5, -K1D5, -K1E5, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1J5, -K1J5D, -K1K5, -L1C5, -N1A5, -P1A5, -R1A5, -S1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -V4A5D,-W1A5, -W1A5D, -W3A5D LTIO-540-F2BD, -J2B, -J2BD, -N2BD, -R2AD TIO-540-A2CAA1AD, -AB1AD, -AE2A, -AF1A, -AG1A, -AJ1A, -C1A, -E1A, -F2BD, -G1A, -H1A, -J2B, -J2BD, -N2BD, -R2AD, -S1AD, -W2A O-540-A1A5, -A1B5, -A1C5,-A1D, -A1D5, -A2B, -B1A5, -B2B5, -B2C5, -E4A5, -E4C5, -G1A5, -H2B5D, -J3A5

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

PMA NO. PQ0060SW
SUPPLEMENT NO. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Tubing	SL12098-0-160	LW-12098-0-160, as indicated in Lycoming Service Instruction SI1301	Test and Computations per 14CFR § 21.303, DWG No: SL12098, Rev: B Date: 03/24/2003 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C2A, -C2C,-F2A, -F2B, -K2B, -L2A, -L2C,-P2A O-290-D2, -D2B, -D2C AIO-320-B1B, -C1B IO-320-B1A, -B1C, -C1A, -D1A, -D1B, -E1A, -E1B, -E2A, -E2B LIO-320-B1A, -C1A O-320-A2B, -A2C, -A3B, -B1A, -B2B, -B2C, -B3B, -D1D, -D2A, -D2B, -D2G, -E1A, -E2A, -E2B, -E2C, -E2D, -E2G, -E3D, -E3H AEIO-360-A1E, -B1G6, -H1A AIO-360-A1A, -A1B, -B1B 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, -B1G6, -B2F, -B2F6, -B4A, -C1A, -C1B, -C1C, -C1C6, -C1D6, -J1A6D, -L2A, -M1A LIO-360-C1E6 HO-360-C1A LO-360-A1G6D, -A1H6 O-360-A1A, -A1D, -A1F6D,-A1G6, -A1G6D, -A1H6, -A1P,-A2A,-A2D, -A2E, -A2F, -A2G,-A3A, -A4A, -A4G, -A4J, -ARK, -A5AD, -B2A, -B2C, -C1C, -C1G, -C2C, -D2A TIO-360-A1B TO-360-C1A6D

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

PMA NO. PQ0060SW
SUPPLEMENT NO. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Tubing	SL12098-0-160	LW-12098-0-160, as indicated in Lycoming Service Instruction SI1301	Test and Computations per 14CFR § 21.303, DWG No: SL12098, Rev: B Date: 03/24/2003 or later FAA-approved revisions	Lycoming Engines	AEIO-540-D4A5, -D4B5, -L1B5, -L1B5D IO-540-A1A5, -AB1A5, -AC1A5, -C1B5,-C4B5, -C4C5, -C4D5D, -D4A5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1C5, -K1D5, -K1E5, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1J5, -K1J5D, -K1K5, -L1C5, -N1A5, -P1A5, -R1A5, -S1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -V4A5D,-W1A5, -W1A5D, -W3A5D LTIO-540-F2BD, -J2B, -J2BD, -N2BD, -R2AD TIO-540-A2CAA1AD, -AB1AD, -AE2A, -AF1A, -AG1A, -AJ1A, -C1A, -E1A, -F2BD, -G1A, -H1A, -J2B, -J2BD, -N2BD, -R2AD, -S1AD, -W2A O-540-A1A5, -A1B5, -A1C5,-A1D, -A1D5, -A2B, -B1A5, -B2B5, -B2C5, -E4A5, -E4C5, -G1A5, -H2B5D, -J3A5

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

PMA NO. PQ0060SW
SUPPLEMENT NO. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Tubing	SL12098-0-170	LW-12098-0-170, as indicated in Lycoming Service Instruction SI1301	Test and Computations per 14CFR § 21.303, DWG No: SL12098, Rev: B Date: 03/24/2003 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C2A, -C2C,-F2A, -F2B, -K2B, -L2A, -L2C,-P2A O-290-D2, -D2B, -D2C AIO-320-B1B, -C1B IO-320-B1A, -B1C, -C1A, -D1A, -D1B, -E1A, -E1B, -E2A, -E2B LIO-320-B1A, -C1A O-320-A2B, -A2C, -A3B, -B1A, -B2B, -B2C, -B3B, -D1D, -D2A, -D2B, -D2G, -E1A, -E2A, -E2B, -E2C, -E2D, -E2G, -E3D, -E3H AEIO-360-A1E, -B1G6, -H1A AIO-360-A1A, -A1B, -B1B 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, -B1G6, -B2F, -B2F6, -B4A, -C1A, -C1B, -C1C, -C1C6, -C1D6, -J1A6D, -L2A, -M1A LIO-360-C1E6 HO-360-C1A LO-360-A1G6D, -A1H6 O-360-A1A, -A1D, -A1F6D,-A1G6, -A1G6D, -A1H6, -A1P,-A2A,-A2D, -A2E, -A2F, -A2G,-A3A, -A4A, -A4G, -A4J, -ARK, -A5AD, -B2A, -B2C, -C1C, -C1G, -C2C, -D2A TIO-360-A1B TO-360-C1A6D

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

PMA NO. PQ0060SW
SUPPLEMENT NO. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Tubing	SL12098-0-170	LW-12098-0-170, as indicated in Lycoming Service Instruction SI1301	Test and Computations per 14CFR § 21.303, DWG No: SL12098, Rev: B Date: 03/24/2003 or later FAA-approved revisions	Lycoming Engines	AEIO-540-D4A5, -D4B5, -L1B5, -L1B5D IO-540-A1A5, -AB1A5, -AC1A5, -C1B5,-C4B5, -C4C5, -C4D5D, -D4A5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1C5, -K1D5, -K1E5, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1J5, -K1J5D, -K1K5, -L1C5, -N1A5, -P1A5, -R1A5, -S1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -V4A5D,-W1A5, -W1A5D, -W3A5D LTIO-540-F2BD, -J2B, -J2BD, -N2BD, -R2AD TIO-540-A2CAA1AD, -AB1AD, -AE2A, -AF1A, -AG1A, -AJ1A, -C1A, -E1A, -F2BD, -G1A, -H1A, -J2B, -J2BD, -N2BD, -R2AD, -S1AD, -W2A O-540-A1A5, -A1B5, -A1C5,-A1D, -A1D5, -A2B, -B1A5, -B2B5, -B2C5, -E4A5, -E4C5, -G1A5, -H2B5D, -J3A5

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

PMA NO. PQ0060SW
SUPPLEMENT NO. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Tubing	SL12098-0-180	LW-12098-0-180, as indicated in Lycoming Service Instruction SI1301	Test and Computations per 14CFR § 21.303, DWG No: SL12098, Rev: B Date: 03/24/2003 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C2A, -C2C,-F2A, -F2B, -K2B, -L2A, -L2C,-P2A O-290-D2, -D2B, -D2C AIO-320-B1B, -C1B IO-320-B1A, -B1C, -C1A, -D1A, -D1B, -E1A, -E1B, -E2A, -E2B LIO-320-B1A, -C1A O-320-A2B, -A2C, -A3B, -B1A, -B2B, -B2C, -B3B, -D1D, -D2A, -D2B, -D2G, -E1A, -E2A, -E2B, -E2C, -E2D, -E2G, -E3D, -E3H AEIO-360-A1E, -B1G6, -H1A AIO-360-A1A, -A1B, -B1B 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, -B1G6, -B2F, -B2F6, -B4A, -C1A, -C1B, -C1C, -C1C6, -C1D6, -J1A6D, -L2A, -M1A LIO-360-C1E6 HO-360-C1A LO-360-A1G6D, -A1H6 O-360-A1A, -A1D, -A1F6D,-A1G6, -A1G6D, -A1H6, -A1P,-A2A,-A2D, -A2E, -A2F, -A2G,-A3A, -A4A, -A4G, -A4J, -ARK, -A5AD, -B2A, -B2C, -C1C, -C1G, -C2C, -D2A TIO-360-A1B TO-360-C1A6D

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. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Tubing	SL12098-0-180	LW-12098-0-180, as indicated in Lycoming Service Instruction SI1301	Test and Computations per 14CFR § 21.303, DWG No: SL12098, Rev: B Date: 03/24/2003 or later FAA-approved revisions	Lycoming Engines	AEIO-540-D4A5, -D4B5, -L1B5, -L1B5D IO-540-A1A5, -AB1A5, -AC1A5, -C1B5,-C4B5, -C4C5, -C4D5D, -D4A5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1C5, -K1D5, -K1E5, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1J5, -K1J5D, -K1K5, -L1C5, -N1A5, -P1A5, -R1A5, -S1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -V4A5D,-W1A5, -W1A5D, -W3A5D LTIO-540-F2BD, -J2B, -J2BD, -N2BD, -R2AD TIO-540-A2CAA1AD, -AB1AD, -AE2A, -AF1A, -AG1A, -AJ1A, -C1A, -E1A, -F2BD, -G1A, -H1A, -J2B, -J2BD, -N2BD, -R2AD, -S1AD, -W2A O-540-A1A5, -A1B5, -A1C5,-A1D, -A1D5, -A2B, -B1A5, -B2B5, -B2C5, -E4A5, -E4C5, -G1A5, -H2B5D, -J3A5

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

PMA NO. PQ0060SW
SUPPLEMENT NO. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Tubing	SL12098-0-190	LW-12098-0-190, as indicated in Lycoming Service Instruction SI1301	Test and Computations per 14CFR § 21.303, DWG No: SL12098, Rev: B Date: 03/24/2003 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C2A, -C2C,-F2A, -F2B, -K2B, -L2A, -L2C,-P2A O-290-D2, -D2B, -D2C AIO-320-B1B, -C1B IO-320-B1A, -B1C, -C1A, -D1A, -D1B, -E1A, -E1B, -E2A, -E2B LIO-320-B1A, -C1A O-320-A2B, -A2C, -A3B, -B1A, -B2B, -B2C, -B3B, -D1D, -D2A, -D2B, -D2G, -E1A, -E2A, -E2B, -E2C, -E2D, -E2G, -E3D, -E3H AEIO-360-A1E, -B1G6, -H1A AIO-360-A1A, -A1B, -B1B 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, -B1G6, -B2F, -B2F6, -B4A, -C1A, -C1B, -C1C, -C1C6, -C1D6, -J1A6D, -L2A, -M1A LIO-360-C1E6 HO-360-C1A LO-360-A1G6D, -A1H6 O-360-A1A, -A1D, -A1F6D,-A1G6, -A1G6D, -A1H6, -A1P,-A2A,-A2D, -A2E, -A2F, -A2G,-A3A, -A4A, -A4G, -A4J, -ARK, -A5AD, -B2A, -B2C, -C1C, -C1G, -C2C, -D2A TIO-360-A1B TO-360-C1A6D

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

PMA NO. PQ0060SW
SUPPLEMENT NO. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Tubing	SL12098-0-190	LW-12098-0-190, as indicated in Lycoming Service Instruction SI1301	Test and Computations per 14CFR § 21.303, DWG No: SL12098, Rev: B Date: 03/24/2003 or later FAA-approved revisions	Lycoming Engines	AEIO-540-D4A5, -D4B5, -L1B5, -L1B5D IO-540-A1A5, -AB1A5, -AC1A5, -C1B5,-C4B5, -C4C5, -C4D5D, -D4A5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1C5, -K1D5, -K1E5, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1J5, -K1J5D, -K1K5, -L1C5, -N1A5, -P1A5, -R1A5, -S1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -V4A5D,-W1A5, -W1A5D, -W3A5D LTIO-540-F2BD, -J2B, -J2BD, -N2BD, -R2AD TIO-540-A2CAA1AD, -AB1AD, -AE2A, -AF1A, -AG1A, -AJ1A, -C1A, -E1A, -F2BD, -G1A, -H1A, -J2B, -J2BD, -N2BD, -R2AD, -S1AD, -W2A O-540-A1A5, -A1B5, -A1C5,-A1D, -A1D5, -A2B, -B1A5, -B2B5, -B2C5, -E4A5, -E4C5, -G1A5, -H2B5D, -J3A5

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. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Tubing	SL12098-0-210	LW-12098-0-210, as indicated in Lycoming Service Instruction SI1301	Test and Computations per 14CFR § 21.303, DWG No: SL12098, Rev: B Date: 03/24/2003 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C2A, -C2C,-F2A, -F2B, -K2B, -L2A, -L2C,-P2A O-290-D2, -D2B, -D2C AIO-320-B1B, -C1B IO-320-B1A, -B1C, -C1A, -D1A, -D1B, -E1A, -E1B, -E2A, -E2B LIO-320-B1A, -C1A O-320-A2B, -A2C, -A3B, -B1A, -B2B, -B2C, -B3B, -D1D, -D2A, -D2B, -D2G, -E1A, -E2A, -E2B, -E2C, -E2D, -E2G, -E3D, -E3H AEIO-360-A1E, -B1G6, -H1A AIO-360-A1A, -A1B, -B1B 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, -B1G6, -B2F, -B2F6, -B4A, -C1A, -C1B, -C1C, -C1C6, -C1D6, -J1A6D, -L2A, -M1A LIO-360-C1E6 HO-360-C1A LO-360-A1G6D, -A1H6 O-360-A1A, -A1D, -A1F6D,-A1G6, -A1G6D, -A1H6, -A1P,-A2A,-A2D, -A2E, -A2F, -A2G,-A3A, -A4A, -A4G, -A4J, -ARK, -A5AD, -B2A, -B2C, -C1C, -C1G, -C2C, -D2A TIO-360-A1B TO-360-C1A6D

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

PMA NO. PQ0060SW
SUPPLEMENT NO. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Tubing	SL12098-0-210	LW-12098-0-210, as indicated in Lycoming Service Instruction SI1301	Test and Computations per 14CFR § 21.303, DWG No: SL12098, Rev: B Date: 03/24/2003 or later FAA-approved revisions	Lycoming Engines	AEIO-540-D4A5, -D4B5, -L1B5, -L1B5D IO-540-A1A5, -AB1A5, -AC1A5, -C1B5,-C4B5, -C4C5, -C4D5D, -D4A5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1C5, -K1D5, -K1E5, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1J5, -K1J5D, -K1K5, -L1C5, -N1A5, -P1A5, -R1A5, -S1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -V4A5D,-W1A5, -W1A5D, -W3A5D LTIO-540-F2BD, -J2B, -J2BD, -N2BD, -R2AD TIO-540-A2CAA1AD, -AB1AD, -AE2A, -AF1A, -AG1A, -AJ1A, -C1A, -E1A, -F2BD, -G1A, -H1A, -J2B, -J2BD, -N2BD, -R2AD, -S1AD, -W2A O-540-A1A5, -A1B5, -A1C5,-A1D, -A1D5, -A2B, -B1A5, -B2B5, -B2C5, -E4A5, -E4C5, -G1A5, -H2B5D, -J3A5

SUPERIOR AIR PARTS, INC.
621 S. Royal Lane, Suite # 100
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PMA NO. PQ0060SW
SUPPLEMENT NO. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Tubing	SL12098-0-220	LW-12098-0-220, as indicated in Lycoming Service Instruction SI1301	Test and Computations per 14CFR § 21.303, DWG No: SL12098, Rev: B Date: 03/24/2003 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C2A, -C2C,-F2A, -F2B, -K2B, -L2A, -L2C,-P2A O-290-D2, -D2B, -D2C AIO-320-B1B, -C1B IO-320-B1A, -B1C, -C1A, -D1A, -D1B, -E1A, -E1B, -E2A, -E2B LIO-320-B1A, -C1A O-320-A2B, -A2C, -A3B, -B1A, -B2B, -B2C, -B3B, -D1D, -D2A, -D2B, -D2G, -E1A, -E2A, -E2B, -E2C, -E2D, -E2G, -E3D, -E3H AEIO-360-A1E, -B1G6, -H1A AIO-360-A1A, -A1B, -B1B 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, -B1G6, -B2F, -B2F6, -B4A, -C1A, -C1B, -C1C, -C1C6, -C1D6, -J1A6D, -L2A, -M1A LIO-360-C1E6 HO-360-C1A LO-360-A1G6D, -A1H6 O-360-A1A, -A1D, -A1F6D,-A1G6, -A1G6D, -A1H6, -A1P,-A2A,-A2D, -A2E, -A2F, -A2G,-A3A, -A4A, -A4G, -A4J, -ARK, -A5AD, -B2A, -B2C, -C1C, -C1G, -C2C, -D2A TIO-360-A1B TO-360-C1A6D

SUPERIOR AIR PARTS, INC.
621 S. Royal Lane, Suite # 100
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REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Tubing	SL12098-0-220	LW-12098-0-220, as indicated in Lycoming Service Instruction SI1301	Test and Computations per 14CFR § 21.303, DWG No: SL12098, Rev: B Date: 03/24/2003 or later FAA-approved revisions	Lycoming Engines	AEIO-540-D4A5, -D4B5, -L1B5, -L1B5D IO-540-A1A5, -AB1A5, -AC1A5, -C1B5,-C4B5, -C4C5, -C4D5D, -D4A5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1C5, -K1D5, -K1E5, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1J5, -K1J5D, -K1K5, -L1C5, -N1A5, -P1A5, -R1A5, -S1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -V4A5D,-W1A5, -W1A5D, -W3A5D LTIO-540-F2BD, -J2B, -J2BD, -N2BD, -R2AD TIO-540-A2CAA1AD, -AB1AD, -AE2A, -AF1A, -AG1A, -AJ1A, -C1A, -E1A, -F2BD, -G1A, -H1A, -J2B, -J2BD, -N2BD, -R2AD, -S1AD, -W2A O-540-A1A5, -A1B5, -A1C5,-A1D, -A1D5, -A2B, -B1A5, -B2B5, -B2C5, -E4A5, -E4C5, -G1A5, -H2B5D, -J3A5

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. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Tubing	SL12098-0-240	LW-12098-0-240, as indicated in Lycoming Service Instruction SI1301	Test and Computations per 14CFR § 21.303, DWG No: SL12098, Rev: B Date: 03/24/2003 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C2A, -C2C,-F2A, -F2B, -K2B, -L2A, -L2C,-P2A O-290-D2, -D2B, -D2C AIO-320-B1B, -C1B IO-320-B1A, -B1C, -C1A, -D1A, -D1B, -E1A, -E1B, -E2A, -E2B LIO-320-B1A, -C1A O-320-A2B, -A2C, -A3B, -B1A, -B2B, -B2C, -B3B, -D1D, -D2A, -D2B, -D2G, -E1A, -E2A, -E2B, -E2C, -E2D, -E2G, -E3D, -E3H AEIO-360-A1E, -B1G6, -H1A AIO-360-A1A, -A1B, -B1B 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, -B1G6, -B2F, -B2F6, -B4A, -C1A, -C1B, -C1C, -C1C6, -C1D6, -J1A6D, -L2A, -M1A LIO-360-C1E6 HO-360-C1A LO-360-A1G6D, -A1H6 O-360-A1A, -A1D, -A1F6D,-A1G6, -A1G6D, -A1H6, -A1P,-A2A,-A2D, -A2E, -A2F, -A2G,-A3A, -A4A, -A4G, -A4J, -ARK, -A5AD, -B2A, -B2C, -C1C, -C1G, -C2C, -D2A TIO-360-A1B TO-360-C1A6D

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

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SUPPLEMENT NO. 180
REVISION 2
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Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Tubing	SL12098-0-240	LW-12098-0-240, as indicated in Lycoming Service Instruction SI1301	Test and Computations per 14CFR § 21.303, DWG No: SL12098, Rev: B Date: 03/24/2003 or later FAA-approved revisions	Lycoming Engines	AEIO-540-D4A5, -D4B5, -L1B5, -L1B5D IO-540-A1A5, -AB1A5, -AC1A5, -C1B5,-C4B5, -C4C5, -C4D5D, -D4A5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1C5, -K1D5, -K1E5, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1J5, -K1J5D, -K1K5, -L1C5, -N1A5, -P1A5, -R1A5, -S1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -V4A5D,-W1A5, -W1A5D, -W3A5D LTIO-540-F2BD, -J2B, -J2BD, -N2BD, -R2AD TIO-540-A2CAA1AD, -AB1AD, -AE2A, -AF1A, -AG1A, -AJ1A, -C1A, -E1A, -F2BD, -G1A, -H1A, -J2B, -J2BD, -N2BD, -R2AD, -S1AD, -W2A O-540-A1A5, -A1B5, -A1C5,-A1D, -A1D5, -A2B, -B1A5, -B2B5, -B2C5, -E4A5, -E4C5, -G1A5, -H2B5D, -J3A5

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

PMA NO. PQ0060SW
SUPPLEMENT NO. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Tubing	SL12098-0-260	LW-12098-0-260, as indicated in Lycoming Service Instruction SI1301	Test and Computations per 14CFR § 21.303, DWG No: SL12098, Rev: B Date: 03/24/2003 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C2A, -C2C,-F2A, -F2B, -K2B, -L2A, -L2C,-P2A O-290-D2, -D2B, -D2C AIO-320-B1B, -C1B IO-320-B1A, -B1C, -C1A, -D1A, -D1B, -E1A, -E1B, -E2A, -E2B LIO-320-B1A, -C1A O-320-A2B, -A2C, -A3B, -B1A, -B2B, -B2C, -B3B, -D1D, -D2A, -D2B, -D2G, -E1A, -E2A, -E2B, -E2C, -E2D, -E2G, -E3D, -E3H AEIO-360-A1E, -B1G6, -H1A AIO-360-A1A, -A1B, -B1B 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, -B1G6, -B2F, -B2F6, -B4A, -C1A, -C1B, -C1C, -C1C6, -C1D6, -J1A6D, -L2A, -M1A LIO-360-C1E6 HO-360-C1A LO-360-A1G6D, -A1H6 O-360-A1A, -A1D, -A1F6D,-A1G6, -A1G6D, -A1H6, -A1P,-A2A,-A2D, -A2E, -A2F, -A2G,-A3A, -A4A, -A4G, -A4J, -ARK, -A5AD, -B2A, -B2C, -C1C, -C1G, -C2C, -D2A TIO-360-A1B TO-360-C1A6D

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

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Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Tubing	SL12098-0-260	LW-12098-0-260, as indicated in Lycoming Service Instruction SI1301	Test and Computations per 14CFR § 21.303, DWG No: SL12098, Rev: B Date: 03/24/2003 or later FAA-approved revisions	Lycoming Engines	AEIO-540-D4A5, -D4B5, -L1B5, -L1B5D IO-540-A1A5, -AB1A5, -AC1A5, -C1B5,-C4B5, -C4C5, -C4D5D, -D4A5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1C5, -K1D5, -K1E5, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1J5, -K1J5D, -K1K5, -L1C5, -N1A5, -P1A5, -R1A5, -S1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -V4A5D,-W1A5, -W1A5D, -W3A5D LTIO-540-F2BD, -J2B, -J2BD, -N2BD, -R2AD TIO-540-A2CAA1AD, -AB1AD, -AE2A, -AF1A, -AG1A, -AJ1A, -C1A, -E1A, -F2BD, -G1A, -H1A, -J2B, -J2BD, -N2BD, -R2AD, -S1AD, -W2A O-540-A1A5, -A1B5, -A1C5,-A1D, -A1D5, -A2B, -B1A5, -B2B5, -B2C5, -E4A5, -E4C5, -G1A5, -H2B5D, -J3A5

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Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Tubing	SL12098-0-280	LW-12098-0-280, as indicated in Lycoming Service Instruction SI1301	Test and Computations per 14CFR § 21.303, DWG No: SL12098, Rev: B Date: 03/24/2003 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C2A, -C2C,-F2A, -F2B, -K2B, -L2A, -L2C,-P2A O-290-D2, -D2B, -D2C AIO-320-B1B, -C1B IO-320-B1A, -B1C, -C1A, -D1A, -D1B, -E1A, -E1B, -E2A, -E2B LIO-320-B1A, -C1A O-320-A2B, -A2C, -A3B, -B1A, -B2B, -B2C, -B3B, -D1D, -D2A, -D2B, -D2G, -E1A, -E2A, -E2B, -E2C, -E2D, -E2G, -E3D, -E3H AEIO-360-A1E, -B1G6, -H1A AIO-360-A1A, -A1B, -B1B 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, -B1G6, -B2F, -B2F6, -B4A, -C1A, -C1B, -C1C, -C1C6, -C1D6, -J1A6D, -L2A, -M1A LIO-360-C1E6 HO-360-C1A LO-360-A1G6D, -A1H6 O-360-A1A, -A1D, -A1F6D,-A1G6, -A1G6D, -A1H6, -A1P,-A2A,-A2D, -A2E, -A2F, -A2G,-A3A, -A4A, -A4G, -A4J, -ARK, -A5AD, -B2A, -B2C, -C1C, -C1G, -C2C, -D2A TIO-360-A1B TO-360-C1A6D

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

SUPERIOR AIR PARTS, INC.
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Coppell, TX 75019-3805

PMA NO. PQ0060SW
SUPPLEMENT NO. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Tubing	SL12098-0-280	LW-12098-0-280, as indicated in Lycoming Service Instruction SI1301	Test and Computations per 14CFR § 21.303, DWG No: SL12098, Rev: B Date: 03/24/2003 or later FAA-approved revisions	Lycoming Engines	AEIO-540-D4A5, -D4B5, -L1B5, -L1B5D IO-540-A1A5, -AB1A5, -AC1A5, -C1B5,-C4B5, -C4C5, -C4D5D, -D4A5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1C5, -K1D5, -K1E5, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1J5, -K1J5D, -K1K5, -L1C5, -N1A5, -P1A5, -R1A5, -S1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -V4A5D,-W1A5, -W1A5D, -W3A5D LTIO-540-F2BD, -J2B, -J2BD, -N2BD, -R2AD TIO-540-A2CAA1AD, -AB1AD, -AE2A, -AF1A, -AG1A, -AJ1A, -C1A, -E1A, -F2BD, -G1A, -H1A, -J2B, -J2BD, -N2BD, -R2AD, -S1AD, -W2A O-540-A1A5, -A1B5, -A1C5,-A1D, -A1D5, -A2B, -B1A5, -B2B5, -B2C5, -E4A5, -E4C5, -G1A5, -H2B5D, -J3A5

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

PMA NO. PQ0060SW
SUPPLEMENT NO. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Tubing	SL12098-0-296	LW-12098-0-296, as indicated in Lycoming Service Instruction SI1301	Test and Computations per 14CFR § 21.303, DWG No: SL12098, Rev: B Date: 03/24/2003 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C2A, -C2C,-F2A, -F2B, -K2B, -L2A, -L2C,-P2A O-290-D2, -D2B, -D2C AIO-320-B1B, -C1B IO-320-B1A, -B1C, -C1A, -D1A, -D1B, -E1A, -E1B, -E2A, -E2B LIO-320-B1A, -C1A O-320-A2B, -A2C, -A3B, -B1A, -B2B, -B2C, -B3B, -D1D, -D2A, -D2B, -D2G, -E1A, -E2A, -E2B, -E2C, -E2D, -E2G, -E3D, -E3H AEIO-360-A1E, -B1G6, -H1A AIO-360-A1A, -A1B, -B1B 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, -B1G6, -B2F, -B2F6, -B4A, -C1A, -C1B, -C1C, -C1C6, -C1D6, -J1A6D, -L2A, -M1A LIO-360-C1E6 HO-360-C1A LO-360-A1G6D, -A1H6 O-360-A1A, -A1D, -A1F6D,-A1G6, -A1G6D, -A1H6, -A1P,-A2A,-A2D, -A2E, -A2F, -A2G,-A3A, -A4A, -A4G, -A4J, -ARK, -A5AD, -B2A, -B2C, -C1C, -C1G, -C2C, -D2A TIO-360-A1B TO-360-C1A6D

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

PMA NO. PQ0060SW
SUPPLEMENT NO. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Tubing	SL12098-0-296	LW-12098-0-296, as indicated in Lycoming Service Instruction SI1301	Test and Computations per 14CFR § 21.303, DWG No: SL12098, Rev: B Date: 03/24/2003 or later FAA-approved revisions	Lycoming Engines	AEIO-540-D4A5, -D4B5, -L1B5, -L1B5D IO-540-A1A5, -AB1A5, -AC1A5, -C1B5,-C4B5, -C4C5, -C4D5D, -D4A5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1C5, -K1D5, -K1E5, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1J5, -K1J5D, -K1K5, -L1C5, -N1A5, -P1A5, -R1A5, -S1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -V4A5D,-W1A5, -W1A5D, -W3A5D LTIO-540-F2BD, -J2B, -J2BD, -N2BD, -R2AD TIO-540-A2CAA1AD, -AB1AD, -AE2A, -AF1A, -AG1A, -AJ1A, -C1A, -E1A, -F2BD, -G1A, -H1A, -J2B, -J2BD, -N2BD, -R2AD, -S1AD, -W2A O-540-A1A5, -A1B5, -A1C5,-A1D, -A1D5, -A2B, -B1A5, -B2B5, -B2C5, -E4A5, -E4C5, -G1A5, -H2B5D, -J3A5

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. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Tubing	SL12098-0-300	LW-12098-0-300, as indicated in Lycoming Service Instruction SI1301	Test and Computations per 14CFR § 21.303, DWG No: SL12098, Rev: B Date: 03/24/2003 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C2A, -C2C,-F2A, -F2B, -K2B, -L2A, -L2C,-P2A O-290-D2, -D2B, -D2C AIO-320-B1B, -C1B IO-320-B1A, -B1C, -C1A, -D1A, -D1B, -E1A, -E1B, -E2A, -E2B LIO-320-B1A, -C1A O-320-A2B, -A2C, -A3B, -B1A, -B2B, -B2C, -B3B, -D1D, -D2A, -D2B, -D2G, -E1A, -E2A, -E2B, -E2C, -E2D, -E2G, -E3D, -E3H AEIO-360-A1E, -B1G6, -H1A AIO-360-A1A, -A1B, -B1B 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, -B1G6, -B2F, -B2F6, -B4A, -C1A, -C1B, -C1C, -C1C6, -C1D6, -J1A6D, -L2A, -M1A LIO-360-C1E6 HO-360-C1A LO-360-A1G6D, -A1H6 O-360-A1A, -A1D, -A1F6D,-A1G6, -A1G6D, -A1H6, -A1P,-A2A,-A2D, -A2E, -A2F, -A2G,-A3A, -A4A, -A4G, -A4J, -ARK, -A5AD, -B2A, -B2C, -C1C, -C1G, -C2C, -D2A TIO-360-A1B TO-360-C1A6D

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

PMA NO. PQ0060SW
SUPPLEMENT NO. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Tubing	SL12098-0-300	LW-12098-0-300, as indicated in Lycoming Service Instruction SI1301	Test and Computations per 14CFR § 21.303, DWG No: SL12098, Rev: B Date: 03/24/2003 or later FAA-approved revisions	Lycoming Engines	AEIO-540-D4A5, -D4B5, -L1B5, -L1B5D IO-540-A1A5, -AB1A5, -AC1A5, -C1B5,-C4B5, -C4C5, -C4D5D, -D4A5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1C5, -K1D5, -K1E5, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1J5, -K1J5D, -K1K5, -L1C5, -N1A5, -P1A5, -R1A5, -S1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -V4A5D,-W1A5, -W1A5D, -W3A5D LTIO-540-F2BD, -J2B, -J2BD, -N2BD, -R2AD TIO-540-A2CAA1AD, -AB1AD, -AE2A, -AF1A, -AG1A, -AJ1A, -C1A, -E1A, -F2BD, -G1A, -H1A, -J2B, -J2BD, -N2BD, -R2AD, -S1AD, -W2A O-540-A1A5, -A1B5, -A1C5,-A1D, -A1D5, -A2B, -B1A5, -B2B5, -B2C5, -E4A5, -E4C5, -G1A5, -H2B5D, -J3A5

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. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Tubing	SL12098-0-310	LW-12098-0-310, as indicated in Lycoming Service Instruction SI1301	Test and Computations per 14CFR § 21.303, DWG No: SL12098, Rev: B Date: 03/24/2003 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C2A, -C2C,-F2A, -F2B, -K2B, -L2A, -L2C,-P2A O-290-D2, -D2B, -D2C AIO-320-B1B, -C1B IO-320-B1A, -B1C, -C1A, -D1A, -D1B, -E1A, -E1B, -E2A, -E2B LIO-320-B1A, -C1A O-320-A2B, -A2C, -A3B, -B1A, -B2B, -B2C, -B3B, -D1D, -D2A, -D2B, -D2G, -E1A, -E2A, -E2B, -E2C, -E2D, -E2G, -E3D, -E3H AEIO-360-A1E, -B1G6, -H1A AIO-360-A1A, -A1B, -B1B 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, -B1G6, -B2F, -B2F6, -B4A, -C1A, -C1B, -C1C, -C1C6, -C1D6, -J1A6D, -L2A, -M1A LIO-360-C1E6 HO-360-C1A LO-360-A1G6D, -A1H6 O-360-A1A, -A1D, -A1F6D,-A1G6, -A1G6D, -A1H6, -A1P,-A2A,-A2D, -A2E, -A2F, -A2G,-A3A, -A4A, -A4G, -A4J, -ARK, -A5AD, -B2A, -B2C, -C1C, -C1G, -C2C, -D2A TIO-360-A1B TO-360-C1A6D

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. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Tubing	SL12098-0-310	LW-12098-0-310, as indicated in Lycoming Service Instruction SI1301	Test and Computations per 14CFR § 21.303, DWG No: SL12098, Rev: B Date: 03/24/2003 or later FAA-approved revisions	Lycoming Engines	AEIO-540-D4A5, -D4B5, -L1B5, -L1B5D IO-540-A1A5, -AB1A5, -AC1A5, -C1B5,-C4B5, -C4C5, -C4D5D, -D4A5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1C5, -K1D5, -K1E5, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1J5, -K1J5D, -K1K5, -L1C5, -N1A5, -P1A5, -R1A5, -S1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -V4A5D,-W1A5, -W1A5D, -W3A5D LTIO-540-F2BD, -J2B, -J2BD, -N2BD, -R2AD TIO-540-A2CAA1AD, -AB1AD, -AE2A, -AF1A, -AG1A, -AJ1A, -C1A, -E1A, -F2BD, -G1A, -H1A, -J2B, -J2BD, -N2BD, -R2AD, -S1AD, -W2A O-540-A1A5, -A1B5, -A1C5,-A1D, -A1D5, -A2B, -B1A5, -B2B5, -B2C5, -E4A5, -E4C5, -G1A5, -H2B5D, -J3A5

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

PMA NO. PQ0060SW
SUPPLEMENT NO. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Tubing	SL12098-0-320	LW-12098-0-320, as indicated in Lycoming Service Instruction SI1301	Test and Computations per 14CFR § 21.303, DWG No: SL12098, Rev: B Date: 03/24/2003 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C2A, -C2C,-F2A, -F2B, -K2B, -L2A, -L2C,-P2A O-290-D2, -D2B, -D2C AIO-320-B1B, -C1B IO-320-B1A, -B1C, -C1A, -D1A, -D1B, -E1A, -E1B, -E2A, -E2B LIO-320-B1A, -C1A O-320-A2B, -A2C, -A3B, -B1A, -B2B, -B2C, -B3B, -D1D, -D2A, -D2B, -D2G, -E1A, -E2A, -E2B, -E2C, -E2D, -E2G, -E3D, -E3H AEIO-360-A1E, -B1G6, -H1A AIO-360-A1A, -A1B, -B1B 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, -B1G6, -B2F, -B2F6, -B4A, -C1A, -C1B, -C1C, -C1C6, -C1D6, -J1A6D, -L2A, -M1A LIO-360-C1E6 HO-360-C1A LO-360-A1G6D, -A1H6 O-360-A1A, -A1D, -A1F6D,-A1G6, -A1G6D, -A1H6, -A1P,-A2A,-A2D, -A2E, -A2F, -A2G,-A3A, -A4A, -A4G, -A4J, -ARK, -A5AD, -B2A, -B2C, -C1C, -C1G, -C2C, -D2A TIO-360-A1B TO-360-C1A6D

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

PMA NO. PQ0060SW
SUPPLEMENT NO. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Tubing	SL12098-0-320	LW-12098-0-320, as indicated in Lycoming Service Instruction SI1301	Test and Computations per 14CFR § 21.303, DWG No: SL12098, Rev: B Date: 03/24/2003 or later FAA-approved revisions	Lycoming Engines	AEIO-540-D4A5, -D4B5, -L1B5, -L1B5D IO-540-A1A5, -AB1A5, -AC1A5, -C1B5,-C4B5, -C4C5, -C4D5D, -D4A5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1C5, -K1D5, -K1E5, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1J5, -K1J5D, -K1K5, -L1C5, -N1A5, -P1A5, -R1A5, -S1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -V4A5D,-W1A5, -W1A5D, -W3A5D LTIO-540-F2BD, -J2B, -J2BD, -N2BD, -R2AD TIO-540-A2CAA1AD, -AB1AD, -AE2A, -AF1A, -AG1A, -AJ1A, -C1A, -E1A, -F2BD, -G1A, -H1A, -J2B, -J2BD, -N2BD, -R2AD, -S1AD, -W2A O-540-A1A5, -A1B5, -A1C5,-A1D, -A1D5, -A2B, -B1A5, -B2B5, -B2C5, -E4A5, -E4C5, -G1A5, -H2B5D, -J3A5

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

PMA NO. PQ0060SW
SUPPLEMENT NO. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Tubing	SL12098-0-340	LW-12098-0-340, as indicated in Lycoming Service Instruction SI1301	Test and Computations per 14CFR § 21.303, DWG No: SL12098, Rev: B Date: 03/24/2003 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C2A, -C2C,-F2A, -F2B, -K2B, -L2A, -L2C,-P2A O-290-D2, -D2B, -D2C AIO-320-B1B, -C1B IO-320-B1A, -B1C, -C1A, -D1A, -D1B, -E1A, -E1B, -E2A, -E2B LIO-320-B1A, -C1A O-320-A2B, -A2C, -A3B, -B1A, -B2B, -B2C, -B3B, -D1D, -D2A, -D2B, -D2G, -E1A, -E2A, -E2B, -E2C, -E2D, -E2G, -E3D, -E3H AEIO-360-A1E, -B1G6, -H1A AIO-360-A1A, -A1B, -B1B 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, -B1G6, -B2F, -B2F6, -B4A, -C1A, -C1B, -C1C, -C1C6, -C1D6, -J1A6D, -L2A, -M1A LIO-360-C1E6 HO-360-C1A LO-360-A1G6D, -A1H6 O-360-A1A, -A1D, -A1F6D,-A1G6, -A1G6D, -A1H6, -A1P,-A2A,-A2D, -A2E, -A2F, -A2G,-A3A, -A4A, -A4G, -A4J, -ARK, -A5AD, -B2A, -B2C, -C1C, -C1G, -C2C, -D2A TIO-360-A1B TO-360-C1A6D

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

PMA NO. PQ0060SW
SUPPLEMENT NO. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Tubing	SL12098-0-340	LW-12098-0-340, as indicated in Lycoming Service Instruction SI1301	Test and Computations per 14CFR § 21.303, DWG No: SL12098, Rev: B Date: 03/24/2003 or later FAA-approved revisions	Lycoming Engines	AEIO-540-D4A5, -D4B5, -L1B5, -L1B5D IO-540-A1A5, -AB1A5, -AC1A5, -C1B5,-C4B5, -C4C5, -C4D5D, -D4A5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1C5, -K1D5, -K1E5, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1J5, -K1J5D, -K1K5, -L1C5, -N1A5, -P1A5, -R1A5, -S1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -V4A5D,-W1A5, -W1A5D, -W3A5D LTIO-540-F2BD, -J2B, -J2BD, -N2BD, -R2AD TIO-540-A2CAA1AD, -AB1AD, -AE2A, -AF1A, -AG1A, -AJ1A, -C1A, -E1A, -F2BD, -G1A, -H1A, -J2B, -J2BD, -N2BD, -R2AD, -S1AD, -W2A O-540-A1A5, -A1B5, -A1C5,-A1D, -A1D5, -A2B, -B1A5, -B2B5, -B2C5, -E4A5, -E4C5, -G1A5, -H2B5D, -J3A5

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

PMA NO. PQ0060SW
SUPPLEMENT NO. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Tubing	SL12098-0-350	LW-12098-0-350, as indicated in Lycoming Service Instruction SI1301	Test and Computations per 14CFR § 21.303, DWG No: SL12098, Rev: B Date: 03/24/2003 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C2A, -C2C,-F2A, -F2B, -K2B, -L2A, -L2C,-P2A O-290-D2, -D2B, -D2C AIO-320-B1B, -C1B IO-320-B1A, -B1C, -C1A, -D1A, -D1B, -E1A, -E1B, -E2A, -E2B LIO-320-B1A, -C1A O-320-A2B, -A2C, -A3B, -B1A, -B2B, -B2C, -B3B, -D1D, -D2A, -D2B, -D2G, -E1A, -E2A, -E2B, -E2C, -E2D, -E2G, -E3D, -E3H AEIO-360-A1E, -B1G6, -H1A AIO-360-A1A, -A1B, -B1B 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, -B1G6, -B2F, -B2F6, -B4A, -C1A, -C1B, -C1C, -C1C6, -C1D6, -J1A6D, -L2A, -M1A LIO-360-C1E6 HO-360-C1A LO-360-A1G6D, -A1H6 O-360-A1A, -A1D, -A1F6D,-A1G6, -A1G6D, -A1H6, -A1P,-A2A,-A2D, -A2E, -A2F, -A2G,-A3A, -A4A, -A4G, -A4J, -ARK, -A5AD, -B2A, -B2C, -C1C, -C1G, -C2C, -D2A TIO-360-A1B TO-360-C1A6D

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

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

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REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Tubing	SL12098-0-350	LW-12098-0-350, as indicated in Lycoming Service Instruction SI1301	Test and Computations per 14CFR § 21.303, DWG No: SL12098, Rev: B Date: 03/24/2003 or later FAA-approved revisions	Lycoming Engines	AEIO-540-D4A5, -D4B5, -L1B5, -L1B5D IO-540-A1A5, -AB1A5, -AC1A5, -C1B5,-C4B5, -C4C5, -C4D5D, -D4A5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1C5, -K1D5, -K1E5, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1J5, -K1J5D, -K1K5, -L1C5, -N1A5, -P1A5, -R1A5, -S1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -V4A5D,-W1A5, -W1A5D, -W3A5D LTIO-540-F2BD, -J2B, -J2BD, -N2BD, -R2AD TIO-540-A2CAA1AD, -AB1AD, -AE2A, -AF1A, -AG1A, -AJ1A, -C1A, -E1A, -F2BD, -G1A, -H1A, -J2B, -J2BD, -N2BD, -R2AD, -S1AD, -W2A O-540-A1A5, -A1B5, -A1C5,-A1D, -A1D5, -A2B, -B1A5, -B2B5, -B2C5, -E4A5, -E4C5, -G1A5, -H2B5D, -J3A5

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. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Tubing	SL12098-0-390	LW-12098-0-390, as indicated in Lycoming Service Instruction SI1301	Test and Computations per 14CFR § 21.303, DWG No: SL12098, Rev: B Date: 03/24/2003 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C2A, -C2C,-F2A, -F2B, -K2B, -L2A, -L2C,-P2A O-290-D2, -D2B, -D2C AIO-320-B1B, -C1B IO-320-B1A, -B1C, -C1A, -D1A, -D1B, -E1A, -E1B, -E2A, -E2B LIO-320-B1A, -C1A O-320-A2B, -A2C, -A3B, -B1A, -B2B, -B2C, -B3B, -D1D, -D2A, -D2B, -D2G, -E1A, -E2A, -E2B, -E2C, -E2D, -E2G, -E3D, -E3H AEIO-360-A1E, -B1G6, -H1A AIO-360-A1A, -A1B, -B1B 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, -B1G6, -B2F, -B2F6, -B4A, -C1A, -C1B, -C1C, -C1C6, -C1D6, -J1A6D, -L2A, -M1A LIO-360-C1E6 HO-360-C1A LO-360-A1G6D, -A1H6 O-360-A1A, -A1D, -A1F6D,-A1G6, -A1G6D, -A1H6, -A1P,-A2A,-A2D, -A2E, -A2F, -A2G,-A3A, -A4A, -A4G, -A4J, -ARK, -A5AD, -B2A, -B2C, -C1C, -C1G, -C2C, -D2A TIO-360-A1B TO-360-C1A6D

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. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Tubing	SL12098-0-390	LW-12098-0-390, as indicated in Lycoming Service Instruction SI1301	Test and Computations per 14CFR § 21.303, DWG No: SL12098, Rev: B Date: 03/24/2003 or later FAA-approved revisions	Lycoming Engines	AEIO-540-D4A5, -D4B5, -L1B5, -L1B5D IO-540-A1A5, -AB1A5, -AC1A5, -C1B5,-C4B5, -C4C5, -C4D5D, -D4A5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1C5, -K1D5, -K1E5, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1J5, -K1J5D, -K1K5, -L1C5, -N1A5, -P1A5, -R1A5, -S1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -V4A5D,-W1A5, -W1A5D, -W3A5D LTIO-540-F2BD, -J2B, -J2BD, -N2BD, -R2AD TIO-540-A2CAA1AD, -AB1AD, -AE2A, -AF1A, -AG1A, -AJ1A, -C1A, -E1A, -F2BD, -G1A, -H1A, -J2B, -J2BD, -N2BD, -R2AD, -S1AD, -W2A O-540-A1A5, -A1B5, -A1C5,-A1D, -A1D5, -A2B, -B1A5, -B2B5, -B2C5, -E4A5, -E4C5, -G1A5, -H2B5D, -J3A5

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. 180
REVISION 2
DATE April 12, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Tubing	SL12098-0-412	LW-12098-0-412, as indicated in Lycoming Service Instruction SI1301	Test and Computations per 14CFR § 21.303, DWG No: SL12098, Rev: B Date: 03/24/2003 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C2A, -C2C,-F2A, -F2B, -K2B, -L2A, -L2C,-P2A O-290-D2, -D2B, -D2C AIO-320-B1B, -C1B IO-320-B1A, -B1C, -C1A, -D1A, -D1B, -E1A, -E1B, -E2A, -E2B LIO-320-B1A, -C1A O-320-A2B, -A2C, -A3B, -B1A, -B2B, -B2C, -B3B, -D1D, -D2A, -D2B, -D2G, -E1A, -E2A, -E2B, -E2C, -E2D, -E2G, -E3D, -E3H AEIO-360-A1E, -B1G6, -H1A AIO-360-A1A, -A1B, -B1B 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, -B1G6, -B2F, -B2F6, -B4A, -C1A, -C1B, -C1C, -C1C6, -C1D6, -J1A6D, -L2A, -M1A LIO-360-C1E6 HO-360-C1A LO-360-A1G6D, -A1H6 O-360-A1A, -A1D, -A1F6D,-A1G6, -A1G6D, -A1H6, -A1P,-A2A,-A2D, -A2E, -A2F, -A2G,-A3A, -A4A, -A4G, -A4J, -ARK, -A5AD, -B2A, -B2C, -C1C, -C1G, -C2C, -D2A TIO-360-A1B TO-360-C1A6D

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

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Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Tubing	SL12098-0-412	LW-12098-0-412, as indicated in Lycoming Service Instruction SI1301	Test and Computations per 14CFR § 21.303, DWG No: SL12098, Rev: B Date: 03/24/2003 or later FAA-approved revisions	Lycoming Engines	AEIO-540-D4A5, -D4B5, -L1B5, -L1B5D IO-540-A1A5, -AB1A5, -AC1A5, -C1B5,-C4B5, -C4C5, -C4D5D, -D4A5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -G1F5, -J4A5, -K1A5, -K1A5D, -K1B5, -K1C5, -K1D5, -K1E5, -K1F5, -K1F5D, -K1G5, -K1G5D, -K1J5, -K1J5D, -K1K5, -L1C5, -N1A5, -P1A5, -R1A5, -S1A5, -T4A5D, -T4B5, -T4B5D, -T4C5D, -V4A5D,-W1A5, -W1A5D, -W3A5D LTIO-540-F2BD, -J2B, -J2BD, -N2BD, -R2AD TIO-540-A2CAA1AD, -AB1AD, -AE2A, -AF1A, -AG1A, -AJ1A, -C1A, -E1A, -F2BD, -G1A, -H1A, -J2B, -J2BD, -N2BD, -R2AD, -S1AD, -W2A O-540-A1A5, -A1B5, -A1C5,-A1D, -A1D5, -A2B, -B1A5, -B2B5, -B2C5, -E4A5, -E4C5, -G1A5, -H2B5D, -J3A5

----------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 180, revision 2, dated April 12, 2011, updates Supplement 180, dated April 5, 2001. The purpose of the revision is to include over-sized and under-sized parts, not previously listed on Supplement 180. Supplement 180 and previously issued revisions remain in effect.

S. Frances Cox
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ASW-190

Carlton N. Cochran
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SW MIDO-42