



U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

Southwest Region  
Arkansas, Louisiana,  
New Mexico, Oklahoma,  
Texas

Manufacturing Inspection District Office  
2601 Meacham Blvd., SW MIDO-42  
Fort Worth, Texas 76137

April 15, 2011

Superior Air Parts, Inc.  
621 S. Royal Lane, Suite 100  
Coppell, Texas 75019

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

In accordance with the provisions of Title 14, Code of Federal Regulations (14 CFR), Part 21, Certification Procedures for Products and Parts, subpart K, the FAA has found that the design data, based on Test and Computations submitted by Superior Air Parts, Inc., with your letters dated March 21, 2011 (FAAL-1421 through FAAL-1431) and March 22, 2011 (FAAL-1432 through FAAL-1435) 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. 87, revisions 2 through 16. Supplement No. 87, revisions 2 through 16, dated April 15, 2011, updates Supplement No. 87, revision 1, dated July 7, 1995. The purpose of these revisions is to include over-sized and under-sized parts, not previously listed on Supplement No. 87, revision 1. Supplement 87, revision 1, remains in effect.

You are reminded that the provisions of 14 CFR, Parts 21 and 45, noted in our PMA letter of approval dated March 30, 2006, also apply to the enclosed PMA Listing-Supplement No. 87, revisions 2 through 16. 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. 87, revisions 2 through 16



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FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

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

PMA NO. PQ0060SW  
SUPPLEMENT NO. 87  
REVISION 16  
DATE April 15, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Stud, 1/4" Dia. Coarse Thread	SL25C-55-STD	25C-55	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SLC25, <u>REV:</u> E <u>DATE:</u> 06/14/2010 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C1C, -C2A, -C2C, -F2A, -F2B, -H2C, -J2A, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -N2A, -N2C O-320-A3B, -B3B IO-360-B1A O-360-A1A, -A1D AEIO-540-D4B5, -L1B5D IO-540-C4D5D, -K1K5, -L1C5, -T4A5D, -T4B5D, -T4C5D, -V4A5D, -W3A5D LTIO-540-U2A, -V2AD TIO-540-AA1AD, -AB1AD, -U2A, -V2AD O-540-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -H1B5D, -H2B5D, -L3C5D TIGO-541-E1A IO-720-D1C
Stud, 1/4" Dia. Coarse Thread	SL25C-55-P03	25C-55 P03	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SLC25, <u>REV:</u> E <u>DATE:</u> 06/14/2010 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C1C, -C2A, -C2C, -F2A, -F2B, -H2C, -J2A, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -N2A, -N2C O-320-A3B, -B3B IO-360-B1A O-360-A1A, -A1D AEIO-540-D4B5, -L1B5D IO-540-C4D5D, -K1K5, -L1C5, -T4A5D, -T4B5D, -T4C5D, -V4A5D, -W3A5D LTIO-540-U2A, -V2AD TIO-540-AA1AD, -AB1AD, -U2A, -V2AD O-540-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -H1B5D, -H2B5D, -L3C5D TIGO-541-E1A IO-720-D1C

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Stud, 1/4" Dia. Coarse Thread	SL25C-55-P07	25C-55 P07	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SLC25, <u>REV:</u> E <u>DATE:</u> 06/14/2010 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C1C, -C2A, -C2C, -F2A, -F2B, -H2C, -J2A, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -N2A, -N2C O-320-A3B, -B3B IO-360-B1A O-360-A1A, -A1D AEIO-540-D4B5, -L1B5D IO-540-C4D5D, -K1K5, -L1C5, -T4A5D, -T4B5D, -T4C5D, -V4A5D, -W3A5D LTIO-540-U2A, -V2AD TIO-540-AA1AD, -AB1AD, -U2A, -V2AD O-540-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -H1B5D, -H2B5D, -L3C5D TIGO-541-E1A IO-720-D1C
Stud, 1/4" Dia. Coarse Thread	SL25C-55-P12	25C-55 P12	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SLC25, <u>REV:</u> E <u>DATE:</u> 06/14/2010 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C1C, -C2A, -C2C, -F2A, -F2B, -H2C, -J2A, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -N2A, -N2C O-320-A3B, -B3B IO-360-B1A O-360-A1A, -A1D AEIO-540-D4B5, -L1B5D IO-540-C4D5D, -K1K5, -L1C5, -T4A5D, -T4B5D, -T4C5D, -V4A5D, -W3A5D LTIO-540-U2A, -V2AD TIO-540-AA1AD, -AB1AD, -U2A, -V2AD O-540-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -H1B5D, -H2B5D, -L3C5D TIGO-541-E1A IO-720-D1C

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Stud, 1/4" Dia. Coarse Thread	SL25C-56-STD	25C-56	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SLC25, <u>REV:</u> E <u>DATE:</u> 06/14/2010 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C1C, -C2A, -C2C, -F2A, -F2B, -H2C, -J2A, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -N2A, -N2C O-320-A3B, -B3B IO-360-B1A O-360-A1A, -A1D AEIO-540-D4B5, -L1B5D IO-540-C4D5D, -K1K5, -L1C5, -T4A5D, -T4B5D, -T4C5D, -V4A5D, -W3A5D LTIO-540-U2A, -V2AD TIO-540-AA1AD, -AB1AD, -U2A, -V2AD O-540-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -H1B5D, -H2B5D, -L3C5D TIGO-541-E1A IO-720-D1C
Stud, 1/4" Dia. Coarse Thread	SL25C-56-P03	25C-56 P03	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SLC25, <u>REV:</u> E <u>DATE:</u> 06/14/2010 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C1C, -C2A, -C2C, -F2A, -F2B, -H2C, -J2A, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -N2A, -N2C O-320-A3B, -B3B IO-360-B1A O-360-A1A, -A1D AEIO-540-D4B5, -L1B5D IO-540-C4D5D, -K1K5, -L1C5, -T4A5D, -T4B5D, -T4C5D, -V4A5D, -W3A5D LTIO-540-U2A, -V2AD TIO-540-AA1AD, -AB1AD, -U2A, -V2AD O-540-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -H1B5D, -H2B5D, -L3C5D TIGO-541-E1A IO-720-D1C

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Stud, 1/4" Dia. Coarse Thread	SL25C-56-P07	25C-56 P07	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SLC25, <u>REV:</u> E <u>DATE:</u> 06/14/2010 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C1C, -C2A, -C2C, -F2A, -F2B, -H2C, -J2A, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -N2A, -N2C O-320-A3B, -B3B IO-360-B1A O-360-A1A, -A1D AEIO-540-D4B5, -L1B5D IO-540-C4D5D, -K1K5, -L1C5, -T4A5D, -T4B5D, -T4C5D, -V4A5D, -W3A5D LTIO-540-U2A, -V2AD TIO-540-AA1AD, -AB1AD, -U2A, -V2AD O-540-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -H1B5D, -H2B5D, -L3C5D TIGO-541-E1A IO-720-D1C
Stud, 1/4" Dia. Coarse Thread	SL25C-56-P12	25C-56 P12	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SLC25, <u>REV:</u> E <u>DATE:</u> 06/14/2010 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C1C, -C2A, -C2C, -F2A, -F2B, -H2C, -J2A, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -N2A, -N2C O-320-A3B, -B3B IO-360-B1A O-360-A1A, -A1D AEIO-540-D4B5, -L1B5D IO-540-C4D5D, -K1K5, -L1C5, -T4A5D, -T4B5D, -T4C5D, -V4A5D, -W3A5D LTIO-540-U2A, -V2AD TIO-540-AA1AD, -AB1AD, -U2A, -V2AD O-540-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -H1B5D, -H2B5D, -L3C5D TIGO-541-E1A IO-720-D1C

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Stud, 1/4" Dia. Coarse Thread	SL25C-57-STD	25C-57	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SLC25, <u>REV:</u> E <u>DATE:</u> 06/14/2010 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C1C, -C2A, -C2C, -F2A, -F2B, -H2C, -J2A, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -N2A, -N2C O-320-A3B, -B3B IO-360-B1A O-360-A1A, -A1D AEIO-540-D4B5, -L1B5D IO-540-C4D5D, -K1K5, -L1C5, -T4A5D, -T4B5D, -T4C5D, -V4A5D, -W3A5D LTIO-540-U2A, -V2AD TIO-540-AA1AD, -AB1AD, -U2A, -V2AD O-540-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -H1B5D, -H2B5D, -L3C5D TIGO-541-E1A IO-720-D1C
Stud, 1/4" Dia. Coarse Thread	SL25C-57-P03	25C-57 P03	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SLC25, <u>REV:</u> E <u>DATE:</u> 06/14/2010 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C1C, -C2A, -C2C, -F2A, -F2B, -H2C, -J2A, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -N2A, -N2C O-320-A3B, -B3B IO-360-B1A O-360-A1A, -A1D AEIO-540-D4B5, -L1B5D IO-540-C4D5D, -K1K5, -L1C5, -T4A5D, -T4B5D, -T4C5D, -V4A5D, -W3A5D LTIO-540-U2A, -V2AD TIO-540-AA1AD, -AB1AD, -U2A, -V2AD O-540-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -H1B5D, -H2B5D, -L3C5D TIGO-541-E1A IO-720-D1C

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Stud, 1/4" Dia. Coarse Thread	SL25C-57-P07	25C-57 P07	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SLC25, <u>REV:</u> E <u>DATE:</u> 06/14/2010 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C1C, -C2A, -C2C, -F2A, -F2B, -H2C, -J2A, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -N2A, -N2C O-320-A3B, -B3B IO-360-B1A O-360-A1A, -A1D AEIO-540-D4B5, -L1B5D IO-540-C4D5D, -K1K5, -L1C5, -T4A5D, -T4B5D, -T4C5D, -V4A5D, -W3A5D LTIO-540-U2A, -V2AD TIO-540-AA1AD, -AB1AD, -U2A, -V2AD O-540-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -H1B5D, -H2B5D, -L3C5D TIGO-541-E1A IO-720-D1C
Stud, 1/4" Dia. Coarse Thread	SL25C-57-P12	25C-57 P12	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SLC25, <u>REV:</u> E <u>DATE:</u> 06/14/2010 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C1C, -C2A, -C2C, -F2A, -F2B, -H2C, -J2A, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -N2A, -N2C O-320-A3B, -B3B IO-360-B1A O-360-A1A, -A1D AEIO-540-D4B5, -L1B5D IO-540-C4D5D, -K1K5, -L1C5, -T4A5D, -T4B5D, -T4C5D, -V4A5D, -W3A5D LTIO-540-U2A, -V2AD TIO-540-AA1AD, -AB1AD, -U2A, -V2AD O-540-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -H1B5D, -H2B5D, -L3C5D TIGO-541-E1A IO-720-D1C

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Stud, 1/4" Dia. Coarse Thread	SL25C-58-STD	25C-58	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SLC25, <u>REV:</u> E <u>DATE:</u> 06/14/2010 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C1C, -C2A, -C2C, -F2A, -F2B, -H2C, -J2A, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -N2A, -N2C O-320-A3B, -B3B IO-360-B1A O-360-A1A, -A1D AEIO-540-D4B5, -L1B5D IO-540-C4D5D, -K1K5, -L1C5, -T4A5D, -T4B5D, -T4C5D, -V4A5D, -W3A5D LTIO-540-U2A, -V2AD TIO-540-AA1AD, -AB1AD, -U2A, -V2AD O-540-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -H1B5D, -H2B5D, -L3C5D TIGO-541-E1A IO-720-D1C
Stud, 1/4" Dia. Coarse Thread	SL25C-58-P03	25C-58 P03	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SLC25, <u>REV:</u> E <u>DATE:</u> 06/14/2010 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C1C, -C2A, -C2C, -F2A, -F2B, -H2C, -J2A, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -N2A, -N2C O-320-A3B, -B3B IO-360-B1A O-360-A1A, -A1D AEIO-540-D4B5, -L1B5D IO-540-C4D5D, -K1K5, -L1C5, -T4A5D, -T4B5D, -T4C5D, -V4A5D, -W3A5D LTIO-540-U2A, -V2AD TIO-540-AA1AD, -AB1AD, -U2A, -V2AD O-540-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -H1B5D, -H2B5D, -L3C5D TIGO-541-E1A IO-720-D1C



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Stud, 1/4" Dia. Coarse Thread	SL25C-58-P12	25C-58 P12	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SLC25, <u>REV:</u> E <u>DATE:</u> 06/14/2010 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C1C, -C2A, -C2C, -F2A, -F2B, -H2C, -J2A, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -N2A, -N2C O-320-A3B, -B3B IO-360-B1A O-360-A1A, -A1D AEIO-540-D4B5, -L1B5D IO-540-C4D5D, -K1K5, -L1C5, -T4A5D, -T4B5D, -T4C5D, -V4A5D, -W3A5D LTIO-540-U2A, -V2AD TIO-540-AA1AD, -AB1AD, -U2A, -V2AD O-540-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -H1B5D, -H2B5D, -L3C5D TIGO-541-E1A IO-720-D1C

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Stud, 1/4" Dia. Coarse Thread	SL25C-59-STD	25C-59	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SLC25, <u>REV:</u> E <u>DATE:</u> 06/14/2010 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C1C, -C2A, -C2C, -F2A, -F2B, -H2C, -J2A, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -N2A, -N2C O-320-A3B, -B3B IO-360-B1A O-360-A1A, -A1D AEIO-540-D4B5, -L1B5D IO-540-C4D5D, -K1K5, -L1C5, -T4A5D, -T4B5D, -T4C5D, -V4A5D, -W3A5D LTIO-540-U2A, -V2AD TIO-540-AA1AD, -AB1AD, -U2A, -V2AD O-540-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -H1B5D, -H2B5D, -L3C5D TIGO-541-E1A IO-720-D1C
Stud, 1/4" Dia. Coarse Thread	SL25C-59-P03	25C-59 P03	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SLC25, <u>REV:</u> E <u>DATE:</u> 06/14/2010 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C1C, -C2A, -C2C, -F2A, -F2B, -H2C, -J2A, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -N2A, -N2C O-320-A3B, -B3B IO-360-B1A O-360-A1A, -A1D AEIO-540-D4B5, -L1B5D IO-540-C4D5D, -K1K5, -L1C5, -T4A5D, -T4B5D, -T4C5D, -V4A5D, -W3A5D LTIO-540-U2A, -V2AD TIO-540-AA1AD, -AB1AD, -U2A, -V2AD O-540-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -H1B5D, -H2B5D, -L3C5D TIGO-541-E1A IO-720-D1C

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. 87  
REVISION 16  
DATE April 15, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Stud, 1/4" Dia. Coarse Thread	SL25C-59-P07	25C-59 P07	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SLC25, <u>REV:</u> E <u>DATE:</u> 06/14/2010 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C1C, -C2A, -C2C, -F2A, -F2B, -H2C, -J2A, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -N2A, -N2C O-320-A3B, -B3B IO-360-B1A O-360-A1A, -A1D AEIO-540-D4B5, -L1B5D IO-540-C4D5D, -K1K5, -L1C5, -T4A5D, -T4B5D, -T4C5D, -V4A5D, -W3A5D LTIO-540-U2A, -V2AD TIO-540-AA1AD, -AB1AD, -U2A, -V2AD O-540-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -H1B5D, -H2B5D, -L3C5D TIGO-541-E1A IO-720-D1C
Stud, 1/4" Dia. Coarse Thread	SL25C-59-P12	25C-59 P12	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SLC25, <u>REV:</u> E <u>DATE:</u> 06/14/2010 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C1C, -C2A, -C2C, -F2A, -F2B, -H2C, -J2A, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -N2A, -N2C O-320-A3B, -B3B IO-360-B1A O-360-A1A, -A1D AEIO-540-D4B5, -L1B5D IO-540-C4D5D, -K1K5, -L1C5, -T4A5D, -T4B5D, -T4C5D, -V4A5D, -W3A5D LTIO-540-U2A, -V2AD TIO-540-AA1AD, -AB1AD, -U2A, -V2AD O-540-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -H1B5D, -H2B5D, -L3C5D TIGO-541-E1A IO-720-D1C

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PMA NO. PQ0060SW  
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Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Stud, 1/4" Dia. Coarse Thread	SL25C-60-STD	25C-60	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SLC25, <u>REV:</u> E <u>DATE:</u> 06/14/2010 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C1C, -C2A, -C2C, -F2A, -F2B, -H2C, -J2A, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -N2A, -N2C O-320-A3B, -B3B IO-360-B1A O-360-A1A, -A1D AEIO-540-D4B5, -L1B5D IO-540-C4D5D, -K1K5, -L1C5, -T4A5D, -T4B5D, -T4C5D, -V4A5D, -W3A5D LTIO-540-U2A, -V2AD TIO-540-AA1AD, -AB1AD, -U2A, -V2AD O-540-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -H1B5D, -H2B5D, -L3C5D TIGO-541-E1A IO-720-D1C
Stud, 1/4" Dia. Coarse Thread	SL25C-60-P03	25C-60 P03	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SLC25, <u>REV:</u> E <u>DATE:</u> 06/14/2010 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C1C, -C2A, -C2C, -F2A, -F2B, -H2C, -J2A, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -N2A, -N2C O-320-A3B, -B3B IO-360-B1A O-360-A1A, -A1D AEIO-540-D4B5, -L1B5D IO-540-C4D5D, -K1K5, -L1C5, -T4A5D, -T4B5D, -T4C5D, -V4A5D, -W3A5D LTIO-540-U2A, -V2AD TIO-540-AA1AD, -AB1AD, -U2A, -V2AD O-540-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -H1B5D, -H2B5D, -L3C5D TIGO-541-E1A IO-720-D1C

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PMA NO. PQ0060SW  
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Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Stud, 1/4" Dia. Coarse Thread	SL25C-60-P07	25C-60 P07	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SLC25, <u>REV:</u> E <u>DATE:</u> 06/14/2010 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C1C, -C2A, -C2C, -F2A, -F2B, -H2C, -J2A, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -N2A, -N2C O-320-A3B, -B3B IO-360-B1A O-360-A1A, -A1D AEIO-540-D4B5, -L1B5D IO-540-C4D5D, -K1K5, -L1C5, -T4A5D, -T4B5D, -T4C5D, -V4A5D, -W3A5D LTIO-540-U2A, -V2AD TIO-540-AA1AD, -AB1AD, -U2A, -V2AD O-540-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -H1B5D, -H2B5D, -L3C5D TIGO-541-E1A IO-720-D1C
Stud, 1/4" Dia. Coarse Thread	SL25C-60-P12	25C-60 P12	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SLC25, <u>REV:</u> E <u>DATE:</u> 06/14/2010 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C1C, -C2A, -C2C, -F2A, -F2B, -H2C, -J2A, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -N2A, -N2C O-320-A3B, -B3B IO-360-B1A O-360-A1A, -A1D AEIO-540-D4B5, -L1B5D IO-540-C4D5D, -K1K5, -L1C5, -T4A5D, -T4B5D, -T4C5D, -V4A5D, -W3A5D LTIO-540-U2A, -V2AD TIO-540-AA1AD, -AB1AD, -U2A, -V2AD O-540-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -H1B5D, -H2B5D, -L3C5D TIGO-541-E1A IO-720-D1C

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Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Stud, 1/4" Dia. Coarse Thread	SL25C-61-STD	25C-61	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SLC25, <u>REV:</u> E <u>DATE:</u> 06/14/2010 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C1C, -C2A, -C2C, -F2A, -F2B, -H2C, -J2A, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -N2A, -N2C O-320-A3B, -B3B IO-360-B1A O-360-A1A, -A1D AEIO-540-D4B5, -L1B5D IO-540-C4D5D, -K1K5, -L1C5, -T4A5D, -T4B5D, -T4C5D, -V4A5D, -W3A5D LTIO-540-U2A, -V2AD TIO-540-AA1AD, -AB1AD, -U2A, -V2AD O-540-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -H1B5D, -H2B5D, -L3C5D TIGO-541-E1A IO-720-D1C
Stud, 1/4" Dia. Coarse Thread	SL25C-61-P03	25C-61 P03	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SLC25, <u>REV:</u> E <u>DATE:</u> 06/14/2010 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C1C, -C2A, -C2C, -F2A, -F2B, -H2C, -J2A, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -N2A, -N2C O-320-A3B, -B3B IO-360-B1A O-360-A1A, -A1D AEIO-540-D4B5, -L1B5D IO-540-C4D5D, -K1K5, -L1C5, -T4A5D, -T4B5D, -T4C5D, -V4A5D, -W3A5D LTIO-540-U2A, -V2AD TIO-540-AA1AD, -AB1AD, -U2A, -V2AD O-540-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -H1B5D, -H2B5D, -L3C5D TIGO-541-E1A IO-720-D1C

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Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Stud, 1/4" Dia. Coarse Thread	SL25C-61-P07	25C-61 P07	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SLC25, <u>REV:</u> E <u>DATE:</u> 06/14/2010 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C1C, -C2A, -C2C, -F2A, -F2B, -H2C, -J2A, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -N2A, -N2C O-320-A3B, -B3B IO-360-B1A O-360-A1A, -A1D AEIO-540-D4B5, -L1B5D IO-540-C4D5D, -K1K5, -L1C5, -T4A5D, -T4B5D, -T4C5D, -V4A5D, -W3A5D LTIO-540-U2A, -V2AD TIO-540-AA1AD, -AB1AD, -U2A, -V2AD O-540-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -H1B5D, -H2B5D, -L3C5D TIGO-541-E1A IO-720-D1C
Stud, 1/4" Dia. Coarse Thread	SL25C-61-P12	25C-61 P12	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SLC25, <u>REV:</u> E <u>DATE:</u> 06/14/2010 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C1C, -C2A, -C2C, -F2A, -F2B, -H2C, -J2A, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -N2A, -N2C O-320-A3B, -B3B IO-360-B1A O-360-A1A, -A1D AEIO-540-D4B5, -L1B5D IO-540-C4D5D, -K1K5, -L1C5, -T4A5D, -T4B5D, -T4C5D, -V4A5D, -W3A5D LTIO-540-U2A, -V2AD TIO-540-AA1AD, -AB1AD, -U2A, -V2AD O-540-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -H1B5D, -H2B5D, -L3C5D TIGO-541-E1A IO-720-D1C

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PMA NO. PQ0060SW  
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Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Stud, 1/4" Dia. Coarse Thread	SL25C-62-STD	25C-62	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SLC25, <u>REV:</u> E <u>DATE:</u> 06/14/2010 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C1C, -C2A, -C2C, -F2A, -F2B, -H2C, -J2A, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -N2A, -N2C O-320-A3B, -B3B IO-360-B1A O-360-A1A, -A1D AEIO-540-D4B5, -L1B5D IO-540-C4D5D, -K1K5, -L1C5, -T4A5D, -T4B5D, -T4C5D, -V4A5D, -W3A5D LTIO-540-U2A, -V2AD TIO-540-AA1AD, -AB1AD, -U2A, -V2AD O-540-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -H1B5D, -H2B5D, -L3C5D TIGO-541-E1A IO-720-D1C
Stud, 1/4" Dia. Coarse Thread	SL25C-62-P03	25C-62 P03	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SLC25, <u>REV:</u> E <u>DATE:</u> 06/14/2010 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C1C, -C2A, -C2C, -F2A, -F2B, -H2C, -J2A, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -N2A, -N2C O-320-A3B, -B3B IO-360-B1A O-360-A1A, -A1D AEIO-540-D4B5, -L1B5D IO-540-C4D5D, -K1K5, -L1C5, -T4A5D, -T4B5D, -T4C5D, -V4A5D, -W3A5D LTIO-540-U2A, -V2AD TIO-540-AA1AD, -AB1AD, -U2A, -V2AD O-540-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -H1B5D, -H2B5D, -L3C5D TIGO-541-E1A IO-720-D1C



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Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Stud, 1/4" Dia. Coarse Thread	SL25C-62-P07	25C-62 P07	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SLC25, <u>REV:</u> E <u>DATE:</u> 06/14/2010 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C1C, -C2A, -C2C, -F2A, -F2B, -H2C, -J2A, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -N2A, -N2C O-320-A3B, -B3B IO-360-B1A O-360-A1A, -A1D AEIO-540-D4B5, -L1B5D IO-540-C4D5D, -K1K5, -L1C5, -T4A5D, -T4B5D, -T4C5D, -V4A5D, -W3A5D LTIO-540-U2A, -V2AD TIO-540-AA1AD, -AB1AD, -U2A, -V2AD O-540-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -H1B5D, -H2B5D, -L3C5D TIGO-541-E1A IO-720-D1C
Stud, 1/4" Dia. Coarse Thread	SL25C-62-P12	25C-62 P12	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SLC25, <u>REV:</u> E <u>DATE:</u> 06/14/2010 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C1C, -C2A, -C2C, -F2A, -F2B, -H2C, -J2A, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -N2A, -N2C O-320-A3B, -B3B IO-360-B1A O-360-A1A, -A1D AEIO-540-D4B5, -L1B5D IO-540-C4D5D, -K1K5, -L1C5, -T4A5D, -T4B5D, -T4C5D, -V4A5D, -W3A5D LTIO-540-U2A, -V2AD TIO-540-AA1AD, -AB1AD, -U2A, -V2AD O-540-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -H1B5D, -H2B5D, -L3C5D TIGO-541-E1A IO-720-D1C

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

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PMA NO. PQ0060SW  
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Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Stud, 1/4" Dia. Coarse Thread	SL25C-63-STD	25C-63	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SLC25, <u>REV:</u> E <u>DATE:</u> 06/14/2010 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C1C, -C2A, -C2C, -F2A, -F2B, -H2C, -J2A, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -N2A, -N2C O-320-A3B, -B3B IO-360-B1A O-360-A1A, -A1D AEIO-540-D4B5, -L1B5D IO-540-C4D5D, -K1K5, -L1C5, -T4A5D, -T4B5D, -T4C5D, -V4A5D, -W3A5D LTIO-540-U2A, -V2AD TIO-540-AA1AD, -AB1AD, -U2A, -V2AD O-540-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -H1B5D, -H2B5D, -L3C5D TIGO-541-E1A IO-720-D1C
Stud, 1/4" Dia. Coarse Thread	SL25C-63-P03	25C-63 P03	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SLC25, <u>REV:</u> E <u>DATE:</u> 06/14/2010 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C1C, -C2A, -C2C, -F2A, -F2B, -H2C, -J2A, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -N2A, -N2C O-320-A3B, -B3B IO-360-B1A O-360-A1A, -A1D AEIO-540-D4B5, -L1B5D IO-540-C4D5D, -K1K5, -L1C5, -T4A5D, -T4B5D, -T4C5D, -V4A5D, -W3A5D LTIO-540-U2A, -V2AD TIO-540-AA1AD, -AB1AD, -U2A, -V2AD O-540-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -H1B5D, -H2B5D, -L3C5D TIGO-541-E1A IO-720-D1C

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

PMA NO. PQ0060SW  
SUPPLEMENT NO. 87  
REVISION 16  
DATE April 15, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Stud, 1/4" Dia. Coarse Thread	SL25C-63-P07	25C-63 P07	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SLC25, <u>REV:</u> E <u>DATE:</u> 06/14/2010 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C1C, -C2A, -C2C, -F2A, -F2B, -H2C, -J2A, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -N2A, -N2C O-320-A3B, -B3B IO-360-B1A O-360-A1A, -A1D AEIO-540-D4B5, -L1B5D IO-540-C4D5D, -K1K5, -L1C5, -T4A5D, -T4B5D, -T4C5D, -V4A5D, -W3A5D LTIO-540-U2A, -V2AD TIO-540-AA1AD, -AB1AD, -U2A, -V2AD O-540-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -H1B5D, -H2B5D, -L3C5D TIGO-541-E1A IO-720-D1C
Stud, 1/4" Dia. Coarse Thread	SL25C-63-P12	25C-63 P12	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SLC25, <u>REV:</u> E <u>DATE:</u> 06/14/2010 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C1C, -C2A, -C2C, -F2A, -F2B, -H2C, -J2A, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -N2A, -N2C O-320-A3B, -B3B IO-360-B1A O-360-A1A, -A1D AEIO-540-D4B5, -L1B5D IO-540-C4D5D, -K1K5, -L1C5, -T4A5D, -T4B5D, -T4C5D, -V4A5D, -W3A5D LTIO-540-U2A, -V2AD TIO-540-AA1AD, -AB1AD, -U2A, -V2AD O-540-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -H1B5D, -H2B5D, -L3C5D TIGO-541-E1A IO-720-D1C

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

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

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Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Stud, 1/4" Dia. Coarse Thread	SL25C-64-STD	25C-64	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SLC25, <u>REV:</u> E <u>DATE:</u> 06/14/2010 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C1C, -C2A, -C2C, -F2A, -F2B, -H2C, -J2A, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -N2A, -N2C O-320-A3B, -B3B IO-360-B1A O-360-A1A, -A1D AEIO-540-D4B5, -L1B5D IO-540-C4D5D, -K1K5, -L1C5, -T4A5D, -T4B5D, -T4C5D, -V4A5D, -W3A5D LTIO-540-U2A, -V2AD TIO-540-AA1AD, -AB1AD, -U2A, -V2AD O-540-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -H1B5D, -H2B5D, -L3C5D TIGO-541-E1A IO-720-D1C
Stud, 1/4" Dia. Coarse Thread	SL25C-64-P03	25C-64 P03	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SLC25, <u>REV:</u> E <u>DATE:</u> 06/14/2010 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C1C, -C2A, -C2C, -F2A, -F2B, -H2C, -J2A, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -N2A, -N2C O-320-A3B, -B3B IO-360-B1A O-360-A1A, -A1D AEIO-540-D4B5, -L1B5D IO-540-C4D5D, -K1K5, -L1C5, -T4A5D, -T4B5D, -T4C5D, -V4A5D, -W3A5D LTIO-540-U2A, -V2AD TIO-540-AA1AD, -AB1AD, -U2A, -V2AD O-540-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -H1B5D, -H2B5D, -L3C5D TIGO-541-E1A IO-720-D1C

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Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Stud, 1/4" Dia. Coarse Thread	SL25C-64-P07	25C-64 P07	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SLC25, <u>REV:</u> E <u>DATE:</u> 06/14/2010 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C1C, -C2A, -C2C, -F2A, -F2B, -H2C, -J2A, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -N2A, -N2C O-320-A3B, -B3B IO-360-B1A O-360-A1A, -A1D AEIO-540-D4B5, -L1B5D IO-540-C4D5D, -K1K5, -L1C5, -T4A5D, -T4B5D, -T4C5D, -V4A5D, -W3A5D LTIO-540-U2A, -V2AD TIO-540-AA1AD, -AB1AD, -U2A, -V2AD O-540-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -H1B5D, -H2B5D, -L3C5D TIGO-541-E1A IO-720-D1C

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Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Stud, 1/4" Dia. Coarse Thread	SL25C-64-P12	25C-64 P12	Test and Computations per 14 CFR § 21.303, <u>DWG NO:</u> SLC25, <u>REV:</u> E <u>DATE:</u> 06/14/2010 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C1C, -C2A, -C2C, -F2A, -F2B, -H2C, -J2A, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -N2A, -N2C O-320-A3B, -B3B IO-360-B1A O-360-A1A, -A1D AEIO-540-D4B5, -L1B5D IO-540-C4D5D, -K1K5, -L1C5, -T4A5D, -T4B5D, -T4C5D, -V4A5D, -W3A5D LTIO-540-U2A, -V2AD TIO-540-AA1AD, -AB1AD, -U2A, -V2AD O-540-B2C5, -B4B5, -E4A5, -E4B5, -E4C5, -G1A5, -H1B5D, -H2B5D, -L3C5D TIGO-541-E1A IO-720-D1C
Piston-Machined	SL18729 STD	LW-18729 LW-13623	Test and Computations per 14CFR § 21.303, <u>DWG NO:</u> SL18729, <u>REV:</u> D <u>DATE:</u> 07/21/2006 or later FAA-approved revisions	Lycoming Engines	O-235-K2A, -K2B, -K2C, -L2A, -L2C, -M1, -M2, -N2C, -P1, -P2A, -P2C, -P3C

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

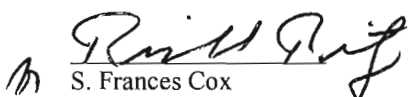
SUPERIOR AIR PARTS, INC.  
621 S. Royal Lane, Suite # 100  
Coppell, TX 75019-3805

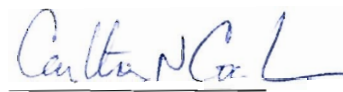
PMA NO. PQ0060SW  
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Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Piston-Machined	SL18729 P10	LW-18729 P10 LW-13623 P10	Test and Computations per 14CFR § 21.303, <u>DWG NO:</u> SL18729, <u>REV:</u> D <u>DATE:</u> 07/21/2006 or later FAA-approved revisions -----End of Listing-----	Lycoming Engines	O-235-K2A, -K2B, -K2C, -L2A, -L2C, -M1, -M2, -N2C, -P1, -P2A, -P2C, -P3C

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 87, revision 16, dated April 15, 2011, updates Supplement 87, revision 1, dated July 7, 1995. The purpose of the revision is to include over-sized parts, not previously listed on Supplement 87, revision 1. Supplement 87, revision 1, remains in effect.

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

  
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Manager, Fort Worth Manufacturing Inspection District Office  
SW MIDO-42