



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 11, 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 letters dated March 21, 2011 (FAAL-1419), March 22, 2011 (FAAL-1441) and March 31, 2011 (FAAL-1391) 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. 65, revision 1. Supplement No. 65, revision 1, dated April 4, 2011, updates Supplement No. 65, dated September 5, 1984. The purpose of the revision is to include over-sized and under-sized parts, not previously listed on Supplement No. 65. Supplement No. 65 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. 65, revision 1. The enclosed supplement should be retained with the original PMA letter as evidence of approval to produce the parts concerned.

Sincerely,

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

Enclosure  
PMA Supplement No. 65, revision 1



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

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

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

PMA NO. PQ0060SW  
SUPPLEMENT NO. 65  
REVISION 1  
DATE April 11, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Guide - Exhaust Valve, High Chrome	SL11626	LW11626	Test and Computations per 14CFR § 21.303, <u>DWG No:</u> SL11626, <u>Rev:</u> M <u>Date:</u> 12/18/2009 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C2A, -C2C, -F2B, -J2A, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -N2A, -N2C
Guide - Exhaust Valve, High Chrome	SL11626 P05	LW11626 P05	Test and Computations per 14CFR § 21.303, <u>DWG No:</u> SL11626, <u>Rev:</u> M <u>Date:</u> 12/18/2009 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C2A, -C2C, -F2B, -J2A, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -N2A, -N2C
Guide - Exhaust Valve, High Chrome	SL11626 P10	LW11626 P10	Test and Computations per 14CFR § 21.303, <u>DWG No:</u> SL11626, <u>Rev:</u> M <u>Date:</u> 12/18/2009 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C2A, -C2C, -F2B, -J2A, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -N2A, -N2C
Guide - Exhaust Valve, High Chrome	SL11626 P20	LW11626 P20	Test and Computations per 14CFR § 21.303, <u>DWG No:</u> SL11626, <u>Rev:</u> M <u>Date:</u> 12/18/2009 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C2A, -C2C, -F2B, -J2A, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -N2A, -N2C
Guide - Exhaust Valve, High Chrome	SL11626 P30	LW11626 P30	Test and Computations per 14CFR § 21.303, <u>DWG No:</u> SL11626, <u>Rev:</u> M <u>Date:</u> 12/18/2009 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C2A, -C2C, -F2B, -J2A, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -N2A, -N2C

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SUPERIOR AIR PARTS, INC.  
621 S. Royal Lane, Suite # 100  
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PMA NO. PQ0060SW  
SUPPLEMENT NO. 65  
REVISION 1  
DATE April 11, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Guide - Exhaust Valve, High Chrome	SL11626 P40	LW11626 P40	Test and Computations per 14CFR § 21.303, <u>DWG No:</u> SL11626, <u>Rev:</u> M <u>Date:</u> 12/18/2009 or later FAA-approved revisions	Lycoming Engines	O-235-C1, -C1B, -C2A, -C2C, -F2B, -J2A, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -N2A, -N2C
Seat, Intake Valve	SL11900	LW11900	Test and Computation per 14CFR § 21.303, <u>DWG No:</u> SL11900, <u>Rev:</u> E <u>Date:</u> 8/21/1998 or later FAA-approved revisions	Lycoming Engines	O-235-C, -C1, -C1A, -C1B, -C1C, -C2A, -C2B, -C2C, -F1, -F1B, -F2A, -F2B, -G1, -G1B, -G2A, -G2B, -H2C, -J2A, -J2B, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -M2C, -M3C, -N2A, -N2C
Seat, Intake Valve	SL11900P05	LW11900 P05	Test and Computation per 14CFR § 21.303, <u>DWG No:</u> SL11900, <u>Rev:</u> E <u>Date:</u> 8/21/1998 or later FAA-approved revisions	Lycoming Engines	O-235-C, -C1, -C1A, -C1B, -C1C, -C2A, -C2B, -C2C, -F1, -F1B, -F2A, -F2B, -G1, -G1B, -G2A, -G2B, -H2C, -J2A, -J2B, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -M2C, -M3C, -N2A, -N2C
Seat, Intake Valve	SL11900P10	LW11900 P10	Test and Computation per 14CFR § 21.303, <u>DWG No:</u> SL11900, <u>Rev:</u> E <u>Date:</u> 8/21/1998 or later FAA-approved revisions	Lycoming Engines	O-235-C, -C1, -C1A, -C1B, -C1C, -C2A, -C2B, -C2C, -F1, -F1B, -F2A, -F2B, -G1, -G1B, -G2A, -G2B, -H2C, -J2A, -J2B, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -M2C, -M3C, -N2A, -N2C
Seat, Intake Valve	SL11900P20	LW11900 P20	Test and Computation per 14CFR § 21.303, <u>DWG No:</u> SL11900, <u>Rev:</u> E <u>Date:</u> 8/21/1998 or later FAA-approved revisions	Lycoming Engines	O-235-C, -C1, -C1A, -C1B, -C1C, -C2A, -C2B, -C2C, -F1, -F1B, -F2A, -F2B, -G1, -G1B, -G2A, -G2B, -H2C, -J2A, -J2B, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -M2C, -M3C, -N2A, -N2C
Seat, Intake Valve	SL11900P30	LW11900 P30	Test and Computation per 14CFR § 21.303, <u>DWG No:</u> SL11900, <u>Rev:</u> E <u>Date:</u> 8/21/1998 or later FAA-approved revisions	Lycoming Engines	O-235-C, -C1, -C1A, -C1B, -C1C, -C2A, -C2B, -C2C, -F1, -F1B, -F2A, -F2B, -G1, -G1B, -G2A, -G2B, -H2C, -J2A, -J2B, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -M2C, -M3C, -N2A, -N2C

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. 65  
REVISION 1  
DATE April 11, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Seat, Exhaust Valve	SL60337	60337	Test and Computation per 14CFR § 21.303, <u>DWG No:</u> SL60337, <u>Rev:</u> D <u>Date:</u> 05/5/1999 or later FAA-approved revisions	Lycoming Engines	O-235-C, -C1, -C1A, -C1B, -C1C, -C2A, -C2B, -C2C, -E1, -E1B, -E2A, -E2B, -F1, -F1B, -F2A, -F2B, -G1, -G1B, -G2A, -G2B, -H2C, -J2A, -J2B, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -M2C, -M3C, -N2A, -N2C
Seat, Exhaust Valve	SL60337 P05	60337 P05	Test and Computation per 14CFR § 21.303, <u>DWG No:</u> SL60337, <u>Rev:</u> D <u>Date:</u> 05/5/1999 or later FAA-approved revisions	Lycoming Engines	O-235-C, -C1, -C1A, -C1B, -C1C, -C2A, -C2B, -C2C, -E1, -E1B, -E2A, -E2B, -F1, -F1B, -F2A, -F2B, -G1, -G1B, -G2A, -G2B, -H2C, -J2A, -J2B, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -M2C, -M3C, -N2A, -N2C
Seat, Exhaust Valve	SL60337 P10	60337 P10	Test and Computation per 14CFR § 21.303, <u>DWG No:</u> SL60337, <u>Rev:</u> D <u>Date:</u> 05/5/1999 or later FAA-approved revisions	Lycoming Engines	O-235-C, -C1, -C1A, -C1B, -C1C, -C2A, -C2B, -C2C, -E1, -E1B, -E2A, -E2B, -F1, -F1B, -F2A, -F2B, -G1, -G1B, -G2A, -G2B, -H2C, -J2A, -J2B, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -M2C, -M3C, -N2A, -N2C
Seat, Exhaust Valve	SL60337 P20	60337 P20	Test and Computation per 14CFR § 21.303, <u>DWG No:</u> SL60337, <u>Rev:</u> D <u>Date:</u> 05/5/1999 or later FAA-approved revisions	Lycoming Engines	O-235-C, -C1, -C1A, -C1B, -C1C, -C2A, -C2B, -C2C, -E1, -E1B, -E2A, -E2B, -F1, -F1B, -F2A, -F2B, -G1, -G1B, -G2A, -G2B, -H2C, -J2A, -J2B, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -M2C, -M3C, -N2A, -N2C
Seat, Exhaust Valve	SL60337 P30	60337 P30	Test and Computation per 14CFR § 21.303, <u>DWG No:</u> SL60337, <u>Rev:</u> D <u>Date:</u> 05/5/1999 or later FAA-approved revisions	Lycoming Engines	O-235-C, -C1, -C1A, -C1B, -C1C, -C2A, -C2B, -C2C, -E1, -E1B, -E2A, -E2B, -F1, -F1B, -F2A, -F2B, -G1, -G1B, -G2A, -G2B, -H2C, -J2A, -J2B, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -M2C, -M3C, -N2A, -N2C
Piston Ring	SL78862	78862	Test and Computations per 14CFR § 21.303, <u>DWG NO:</u> SL78862, <u>REV:</u> K <u>DATE:</u> 11/16/1999 or later FAA-approved revisions	Lycoming Engines	O-235-F1, -F1B, -F2A, -F2B, -G1, -G1B, -G2A, -G2B, -J2A, -J2B, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -M2C, -M3C, -N2A, -N2C

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

PMA NO. PQ0060SW  
 SUPPLEMENT NO. 65  
 REVISION 1  
 DATE April 11, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Piston Ring	SL78862 P10	78862 P10	Test and Computations per 14CFR § 21.303, <u>DWG NO:</u> SL78862, <u>REV:</u> K <u>DATE:</u> 11/16/1999 or later FAA-approved revisions	Lycoming Engines	O-235-F1, -F1B, -F2A, -F2B, -G1, -G1B, -G2A, -G2B, -J2A, -J2B, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -M2C, -M3C, -N2A, -N2C
Ring - Piston	SL78864	78864	Test and Computations per 14CFR § 21.303, <u>DWG NO:</u> SL78864, <u>REV:</u> C <u>DATE:</u> 5/4/2010 or later FAA-approved revisions	Lycoming Engines	O-235-F1, -F1B, -F2A, -F2B, -G1, -G1B, -G2A, -G2B, -J2A, -J2B, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -M2C, -M3C, -N2A, -N2C
Ring - Piston	SL78864 P10	78864 P10	Test and Computations per 14CFR § 21.303, <u>DWG NO:</u> SL78864, <u>REV:</u> C <u>DATE:</u> 5/4/2010 or later FAA-approved revisions	Lycoming Engines	O-235-F1, -F1B, -F2A, -F2B, -G1, -G1B, -G2A, -G2B, -J2A, -J2B, -K2A, -K2B, -K2C, -L2A, -L2C, -M1, -M2C, -M3C, -N2A, -N2C

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

PMA NO. PQ0060SW  
 SUPPLEMENT NO. 65  
 REVISION 1  
 DATE April 11, 2011

Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Nut - Hex	SL383B	383-B	Test and Computations per 14CFR § 21.303, <u>DWG NO:</u> SL383B, <u>REV:</u> D <u>DATE:</u> 9/1/2009 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-290-D, -D2, -D2A, -D2B AIO-320-B1B, -C1B IO-320-A1A, -B1A, -B1C, -C1A, -D1A, -D1B, -E1A, -E1B, -E2A, -E2B LIO-320-B1A, -C1A, -E1A O-320-A2B, -A2C, -A2D, -A3A, -A3B, -B2B, -B3B, -B3C, -D1A, -D1D, -D1F, -D2A, -D2B, -D2C, -D2G, -D3G, -E1A, -E1C, -E1F, -E2A, -E2B, -E2C, -E2D, -E2F, -E2G, -E3D, -H2AD AEIO-360-A1B6, -A1D, -A1E, -H1A AIO-360-A1A, -A1B, -B1B HIO-360-A1A, -B1A, -C1A, -C1B, -D1A, -E1AD, -F1AD IO-360-A1A, -A1B, -A1B6, -A1B6D, -A1C, -A1D6, -A2A, -A2B, -A3B6D, -C1C6, -B1A, -B1B, -B1D, -B1E, -B1F, -B2F, -B4A, -C1A, -C1B, -C1C, -E1A HO-360-B1A, -B1B LO-360-A1G6D, -A2D, -E1A6D O-360-A1A, -A1AD, -A1F6, -A1D, -A1F6D, -A1G, -A1G6, -A1G6D, -A1H, -A1LD, -A2A, -A2D, -A2F, -A2G, -A3A, -A3AD, -A4A, -A4G, -A4J, -A4K, -A4M, -A5AD, -B2A, -C1A, -C1C, -C2A, -C2C, -C2E, -D2A, -E1A6D

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

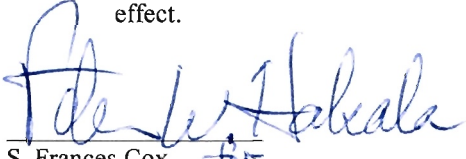
PMA NO. PQ0060SW  
SUPPLEMENT NO. 65  
REVISION 1  
DATE April 4, 2011

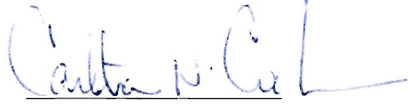
Part Name	Part Number	Approved Replacement For Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Nut - Hex	SL383B	383-B	Test and Computations per 14CFR § 21.303, <u>DWG NO:</u> SL383B, <u>REV:</u> D <u>DATE:</u> 9/1/2009 or later FAA-approved revisions	Lycoming Engines	LTO-360-E1A6D TO-360-E1A6D TIO-360-A1B AEIO-540-D4B5 IO-540-AA1A5, -C4B5, -D4A5, -G1D5, -K1A5, -K1A5D, -K1B5, -K1D5, -K1E5, -K1F5D, -K1G5, -K1G5D, -K1J5, -K1J5D, -M1B5D, -S1A5, -T4A5D, -T4B5D O-540-B2B5, -B2C5, -B4B5, -E4A5, -E4B5, -G1A5, -H1B5D, -H2B5D, -J1A5D, -J3C5D, -L3C5D LTIO-540-F2BD, -J2BD, -N2BD TIO-540-C1A, -E2A, -F2BD, -J2BD, -N2BD, -R2AD, -S1AD TIGO-541-D1B, -E1A TIO-541-A1A, -E1A4, -E1B4, -E1C4 IO-720-A1B, -B1B, -B1BD, -D1B, -D1CD

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

NOTE:

- 1) Provide minor design changes in a manner as determined by the ACO. Handle major design changes to drawings and specifications in the same manner as that for an original FAA-PMA.
- 2) The FAA approved ICA for the above parts with their designs. These ICA may refer to those of the respective parts from the holders of type certificates. Otherwise, provide supplemental ICA for differences in the replacement parts. Make referral statements or supplemental ICA readily available per 14 CFR 21.50.
- 3) Supplement 65, revision 1, dated April 1, 2011, updates Supplement 65, dated September 4, 1984. The purpose of the revision is to include over-sized and under-sized parts, not previously listed on Supplement 65. Supplement 65 remains in effect.

  
S. Frances Cox  
Manager, Special Aircraft Certification Office  
ASW-190  
*for*  
*APR 12, 2011*

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