



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

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

Manufacturing Inspection District Office  
10101 Hillwood Parkway, SW MIDO-42  
Fort Worth, Texas 76177-1524

October 13, 2015

Mr. Keith Chatten  
Executive Vice President  
Superior Air Parts, Inc.  
621 S. Royal Lane, Suite 100  
Coppell, Texas 75019

FEDERAL AVIATION ADMINISTRATION (FAA)-PARTS MANUFACTURER APPROVAL

Dear Mr. Chatten:

In accordance with the provisions of Title 14, Code of Federal Regulations (14 CFR) part 21, Certification Procedures for Products, Articles, and Parts, subpart K, the FAA has found that the design data, based on a Supplemental Type Certificate (STC) and submitted by Superior Air Parts, with your letter dated April 14, 2015, meet the airworthiness requirements of the regulations applicable to the products on which the articles are to be installed. Additionally, the FAA has determined that Superior Air Parts, Inc., has established the quality system required by § 21.307 at Superior Air Parts, Inc., 621 S. Royal Lane, Suite 100, Coppell, Texas 75019. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted for production of the replacement articles listed in the enclosed Supplement No. 195.

You are reminded that the provisions of 14 CFR parts 21 and 45, noted in our PMA letter of approval dated July 9, 2012, also apply to the enclosed PMA Listing-Supplement No. 195. The enclosed supplement should be retained with the original PMA letter as evidence of approval to produce the articles concerned.

Sincerely,

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

Enclosure  
PMA Listing-Supplement No. 195



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.   195  
DATE:   October 13, 2015

Article Name	Article Number	Approved Replacement For Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Assembly, Cold Air Induction	SV78950	Modification Part	STC SE02409AK, <u>DWG No:</u> SV78950, <u>Rev:</u> B, <u>Date:</u> 10/24/2007, or later FAA approved revisions.	Lycoming Engines	IO-320-A1A, -A2A, -B1A, -B1B, -B1C, -B1D, -B1E, -B2A, -C1A, -C1B, -D1A, -D1B, -D1C, -E1A, -E1B, -E2A, -E2B, -F1A  AIO-320-A1A, -A1B, -A2A, -A2B, -B1B, -C1B  LIO-320-B1A, -C1A  AEIO-320-D1B, -D2B, -E1A, -E1B, -E2A, -E2B  IO-360-A1A, -A1B, -A1B6, -A1C, -A1D, A1D6, -A1D6D, -A2A, -A2B, -A2C, A3B6, -A3B6D, -A3D6D, -B1A, -B1B, -B1C, -B1D, -B1E, -B1F, -B1F6, -B1G6, -B2E, -B2F, -B2F6, -B4A, -C1A, -C1B, -C1C, -C1C6, -C1D6, -C1E6, -C1F, -C1G6, -D1A, -E1A, -F1A, -J1AD, -J1A6D, -K2A, -L2A, -M1A, -M1B  LIO-360-C1E6, -M1A  AIO-360-A1A, -A1B, -A2A, -A2B, -B1B

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Assembly Cold Air Induction	SV78950	Modification Part	STC SE02409AK, <u>DWG No:</u> SV78950, <u>Rev:</u> B, <u>Date:</u> 10/24/2007, or later FAA approved revisions.	Lycoming Engines	AEIO-360-A1A, -A1B, -A1B6, -A1E6, -A1C, -A1D, -A1E, -A2A, -A2B, -A2C, -B1B, -B1D, -B1F, -B1F6, -B1G6, -B1H, -B2F, -B2F6, -B4A, -H1A, -H1B  HIO-360-A1A, -A1B, -B1A, -B1B, -C1A, -C1B, D1A, -E1AD, E1BD, F1AD, -G1A  LHIO-360-C1A, -C1B, -F1AD
				Superior Air Parts	IO-360-A1A1, -A1A2, -A2A1, -A2A2, -A3A1, -A3A2, -B1A1, -B1A2, -B2A1, -B2A2, -B3A1, -B3A2, -B4A1, -B4A2, -B5A1, -B5A2, -B6A1, -B6A2, -C1A1, -C1A2, -C2A1, -C2A2, -C3A1, -C3A2, -D1A1, -D1A2, -D2A1, -D2A2, D3A1, -D3A2, -D4A1, -D4A2, -D5A1, -D5A2, -D6A1, -D6A2, -E1A1, -E1A2, -E2A1, -E2A2, -E3A1, -E3A2

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Article Name	Article Number	Approved Replacement For Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Intake Pipe Assembly CAI 360 (Parallel Valve)	SV78945	Modification Part	STC SE02409AK DWG No: SV78945 Rev: B, Date 01/29/2008, or later FAA approved revisions.	Lycoming Engines	IO-360-B1A, -B1B, -B1C, -B1D, -B1E, -B1F, -B1F6, -B1G6, -B2E, -B2F, -B2F6, -B4A, -L2A, -M1A, -M1B  LIO-360-M1A  AEIO-360-B1B, -B1D, -B1F, -B1F6, -B1G6, -B1H, -B2F, -B2F6, -B4A, -H1A, -H1B  HIO-360-B1A, -B1B, -G1A
				Superior Air Parts.	IO-360-A1A1, -A1A2, -A2A1, -A2A2, -A3A1, -A3A2, -B1A1, -B1A2, -B2A1, -B2A2, -B3A1, -B3A2, -B4A1, -B4A2, -B5A1, -B5A2, -B6A1, -B6A2, -C1A1, -C1A2, -C2A1, -C2A2, -C3A1, -C3A2, -D1A1, -D1A2, -D2A1, -D2A2, D3A1, -D3A2, -D4A1, -D4A2, -D5A1, -D5A2, -D6A1, -D6A2, -E1A1, -E1A2, -E2A1, -E2A2, -E3A1, -E3A2

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PMA NO. PQ0060SW  
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DATE: October 13, 2015

Article Name	Article Number	Approved Replacement For Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Intake Pipe Assembly CAI 400 (Angle Valve)	SV78946	Modification Part	STC SE02409AK <u>DWG No:</u> SV78946 <u>Rev:</u> B, <u>Date:</u> 01/29/2008, or later FAA approved revisions.	Lycoming Engines	IO-360-A1A, -A1B, -A1B6, -A1B6D, -A1C, -A1D, -A1D6, -A1D6D, -A2A, -A2B, -A2C, -A3B6, -A3B6D, -A3D6D, -C1A, -C1B, -C1C, -C1C6, -C1D6, -C1E6, -C1F, -C1G6, -D1A, -E1A, -F1A, -J1AD, -J1A6D, -K2A  LIO-360-C1E6  AIO-360-A1A, -A1B, -A2A, -A2B, -B1B  AEIO-360-A1A, -A1B, -A1B6, -A1E6, -A1C, -A1D, A1E, A2A, -A2B, -A2C  HIO-360-A1A, -A1B, -C1A, C1B, -D1A, -E1AD, -E1BD, -F1AD  LHIO-360-C1A, -C1B, -FIAD
Intake Pipe Assembly CAI 320	SV78947	Modification Part	STC SE02409AK <u>DWG No:</u> SV78947 <u>Rev:</u> B, <u>Date:</u> 01/29/2008, or later FAA approved revisions.	Lycoming Engines	IO-320-A1A, -A2A, -B1A, -B1B, -B1C, -B1D, -B1E, -B2A, -C1A, -C1B, -D1A, -D1B, -D1C, -E1A, -E1B, -E2A, -E2B, -F1A  AIO-320-A1A, -A1B, -A2A, -A2B, -B1B, -C1B  LIO-320-B1A, -C1A  AEIO-320-D1B, -D2B, -E1A, -E1B, -E2A, -E2B

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Article Name	Article Number	Approved Replacement For Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
STC Data Plate Installation Kit, CAIS	SL-DP-CAIS	Modification Part	STC SE02409AK, DWG No: SL-DP-CAIS, Rev: B, Date: 06/12/2013, or later FAA approved revisions.	Lycoming Engines	IO-320-A1A, -A2A, -B1A, -B1B, -B1C, -B1D, -B1E, -B2A, -C1A, -C1B, -D1A, -D1B, -D1C, -E1A, -E1B, -E2A, -E2B, -F1A  AIO-320-A1A, -A1B, -A2A, -A2B, -B1B, -C1B  LIO-320-B1A, -C1A  AEIO-320-D1B, -D2B, -E1A, -E1B, -E2A, -E2B  IO-360-A1A, -A1B, -A1B6, -A1C, -A1D, A1D6, -A1D6D, -A2A, -A2B, -A2C, A3B6, -A3B6D, -A3D6D, -B1A, -B1B, -B1C, -B1D, -B1E, -B1F, -B1F6, -B1G6, -B2E, -B2F, -B2F6, -B4A, -C1A, -C1B, -C1C, -C1C6, -C1D6, -C1E6, -C1F, -C1G6, -D1A, -E1A, -F1A, -J1AD, -J1A6D, -K2A, -L2A, -M1A, -M1B  LIO-360-C1E6, -M1A  AIO-360-A1A, -A1B, -A2A, -A2B, -B1B

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Article Name	Article Number	Approved Replacement For Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
STC Data Plate Installation Kit, CAIS	SL-DP-CAIS	Modification Part	STC SE02409AK, <u>DWG No:</u> SL-DP-CAIS, <u>Rev:</u> B, <u>Date:</u> 06/12/2013, or later FAA approved revisions.	Lycoming Engines	AEIO-360-A1A, -A1B, -A1B6, -A1E6, -A1C, -A1D, -A1E, -A2A, -A2B, -A2C, -B1B, -B1D, -B1F, -B1F6, -B1G6, -B1H, -B2F, -B2F6, -B4A, -H1A, -H1B  HIO-360-A1A, -A1B, -B1A, -B1B, -C1A, -C1B, -D1A, -E1AD, -E1BD, -F1AD, -G1A  LHIO-360-C1A, -C1B, -F1AD
				Superior Air Parts	IO-360-A1A1, -A1A2, -A2A1, -A2A2, -A3A1, -A3A2, -B1A1, -B1A2, -B2A1, -B2A2, -B3A1, -B3A2, -B4A1, -B4A2, -B5A1, -B5A2, -B6A1, -B6A2, -C1A1, -C1A2, -C2A1, -C2A2, -C3A1, -C3A2, -D1A1, -D1A2, -D2A1, -D2A2, D3A1, -D3A2, -D4A1, -D4A2, -D5A1, -D5A2, -D6A1, -D6A2, -E1A1, -E1A2, -E2A1, -E2A2, -E3A1, -E3A2

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Hose, Induction, Air	SA642917-4	Modification Part	STC SE02409AK. <u>DWG No:</u> SA642917, <u>Rev:</u> D. <u>Date:</u> 03/30/2004, or later FAA approved revisions.	Lycoming Engines	IO-320-A1A, -A2A, -B1A, -B1B, -B1C, -B1D, -B1E, -B2A, -C1A, -C1B, -D1A, -D1B, -D1C, -E1A, -E1B, -E2A, -E2B, -F1A  AIO-320-A1A, -A1B, -A2A, -A2B, -B1B, -C1B  LIO-320-B1A, -C1A  AEIO-320-D1B, -D2B, -E1A, -E1B, -E2A, -E2B  IO-360-A1A, -A1B, -A1B6, -A1C, -A1D, A1D6, -A1D6D, -A2A, -A2B, -A2C, A3B6, -A3B6D, -A3D6D, -B1A, -B1B, -B1C, -B1D, -B1E, -B1F, -B1F6, -B1G6, -B2E, -B2F, -B2F6, -B4A, -C1A, -C1B, -C1C, -C1C6, -C1D6, -C1E6, -C1F, -C1G6, -D1A, -E1A, -F1A, -J1AD, -J1A6D, -K2A, -L2A, -M1A, -M1B  LIO-360-C1E6, -M1A  AIO-360-A1A, -A1B, -A2A, -A2B, -B1B

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Hose, Induction, Air	SA642917-4	Modification Part	STC SE02409AK, <u>DWG No:</u> SA642917, <u>Rev:</u> D, <u>Date:</u> 03/30/2004, or later FAA approved revisions.	Lycoming Engines	AEIO-360-A1A, -A1B, -A1B6, -A1E6, -A1C, -A1D, -A1E, -A2A, -A2B, -A2C, -B1B, -B1D, -B1F, -B1F6, -B1G6, -B1H, -B2F, -B2F6, -B4A, -H1A, -H1B  HIO-360-A1A, -A1B, -B1A, -B1B, -C1A, -C1B, D1A, -E1AD, E1BD, F1AD, -G1A  LHIO-360-C1A, -C1B, -F1AD

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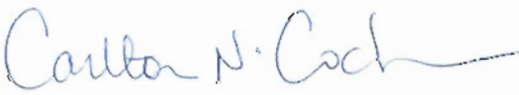
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Article Name	Article Number	Approved Replacement For Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Hose, Induction, Air	SA642917-4	Modification Part	STC SE02409AK DWG No: SA642917, Rev: D, Date: 03/30/2004, or later FAA approved revisions.	Superior Air Parts	IO-360-A1A1, -A1A2, -A2A1, -A2A2, -A3A1, -A3A2, -B1A1, -B1A2, -B2A1, -B2A2, -B3A1, -B3A2, -B4A1, -B4A2, -B5A1, -B5A2, -B6A1, -B6A2, -C1A1, -C1A2, -C2A1, -C2A2, -C3A1, -C3A2, -D1A1, -D1A2, -D2A1, -D2A2, D3A1, -D3A2, -D4A1, -D4A2, -D5A1, -D5A2, -D6A1, -D6A2, -E1A1, -E1A2, -E2A1, -E2A2, -E3A1, -E3A2

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GENERAL NOTES:

NOTE: The procedures that have been accepted by the type certificate or TSO authorization holder and their cognizant FAA Aircraft Certification Office for minor changes to original articles used on type-certificated products, are also acceptable for incorporating the same minor changes on identical PMA replacement articles. The PMA holder must be able to show traceability relating to the TC, STC, or TSO authorization holder on all minor changes incorporated by this procedure. When these procedures are no longer applicable because of completion of the production contract or termination of the licensing agreement or business relationship, all subsequent minor design changes to the PMA articles must be submitted in a manner as determined by the ACO. Major design changes (reference 14 CFR 21.319 and 21.619) to drawings and specifications are to be handled in the same manner as that for an original PMA.



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